



# Product Catalog

**GENUINE<sup>5+</sup>** VRF Air Conditioning Unit  
8~88HP (25.2~246.0kW)



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## Outdoor Unit Nomenclature

Model	<u>T</u>	<u>M</u>	<u>R</u>	<u>0</u>	<u>8</u>	<u>0</u>	<u>A</u>	<u>D</u>	<u>B</u>	<u>A</u>	<u>N</u>	<u>B</u>	<u>C</u>
	1	2	3	4	5	6	7	8	9	10	11	12	13

Digit 1	T=Trane Air conditioner												
Digit 2	M=Multi Combined Outdoor Unit												
Digit 3	R=Heat Pump Model												
Digit 4,5,6	ODU Cooling Capacity												
	080				8HP								
	100				10HP								
	120				12HP								
	140				14HP								
	160				16HP								
	180				18HP								
	200				20HP								
	220				22HP								

Digit 7	Refrigerant
	A=R410A
Digit 8	Power Supply
	D=380V/3Ph/50Hz
Digit 9	Design Sequence
	A=GEN3
	B=GENYUE

### Below is Optional Item Code

Digit 10	Environmental Conditions
	A=T1
Digit 11	Additional Code
	N=None
Digit 12	Maintainance Sequence
	A=First Time
	B=Second Time
Digit 13	Sales Area
	A=For China
	B=For Export
	C=For AP&India

# 1 Specifications

## 1-1. Technical specifications

### ■ Basic Module

Model name			TMR080ADB	TMR100ADB	TMR120ADB	TMR140ADB	TMR160ADB	TMR180ADB	TMR200ADB	TMR220ADB
Capacity		HP	8	10	12	14	16	18	20	22
Cooling capacity		KW	25.2	28.0	33.5	40.0	45.0	50	56	61.5
Heating capacity		KW	27.4	31.5	37.5	45.0	50.0	56	60	60
Capacity control	Method		Direct current inverted frequency							
	Range		10~100							
Input power	Cooling	KW	6.6	7.6	9.5	11.7	14.0	14.7	17.9	19
	Heating	KW	6.5	7.5	9.3	11.8	13.8	14.7	16.6	17.6
IPLV(C)			8.7	8.5	8.45	8.25	8	7.2	7.05	7
The maximum number of connectable indoor units			12	14	16	20	22	26	28	30
Casing		Color		Greywhite						
Size	Outdoor unit	High×Width×Depth	mm	1620×970×796		1620×1260×796			1620x1349x796	
Weight		kg	208		245	286		290	312	323
Heat exchanger	Fin	Type	Louver							
		Material	Hydrophilic aluminum foil							
Fan	Type		Axial fan							
	Quantity		1		2					
	Air flow rate	m³/h	12000		15000			16000		
	Maximum static pressure	Pa	85	85	85	85	85	40	40	40
	Air-out direction		Vertical							
Motor	Quantity		1		2					
	Pattern		Direct current							
Sound level		dB(A)	59	61	63			65		
Compressor	Quantity		1			2		1	2	2
	Model		Direct current inverted frequency							
	Type		Sealing vortex type							
Refrigerant	Type		R410A							
	Charge	kg	10.0		12.0	16.0		16.0	16.5	17
Piping connections	Outlet liquid pipe of the Unit (less than 90m)	mm	Φ12.7(Threaded connection)			Φ15.9(Threaded connection)				
	Outlet gas pipe of the Unit (less than 90m)	mm	Φ22.2 (welded connection)	Φ25.4 (welded connection)	Φ28.6(welded connection)			Φ31.8(welded connection)		
Defrosting method			Intelligent defrost control							

Note:

- The design of this unit performs standard GB/T 18837-2015.
- Refrigeration working condition: Indoor temperature is 27°CDB, 19°CWB/ outdoor temperature: 35°CDB  
Heating working condition: Indoor temperature is 20°CDB, 15°CWB/ outdoor temperature: 7°CDB, 6°CWB.
- The running noise value is tested in semi-anechoic room.
- The tube diameter varies when the tube length is longer than 90m.

## ■ Two modules combination

Model name (combined Unit)			TMR240ADB	TMR260ADB	TMR280ADB	TMR300ADB	TMR320ADB	TMR340ADB
Model (Basic module)			TMR120ADB+ TMR120ADB	TMR100ADB+ TMR160ADB	TMR120ADB+ TMR160ADB	TMR140ADB+ TMR160ADB	TMR160ADB+ TMR160ADB	TMR160ADB+ TMR180ADB
Capacity		HP	24	26	28	30	32	34
Cooling capacity		KW	67	73	78.5	85	90	95
Heating capacity		KW	75	81.5	87.5	95	100	106
Capacity control	Method		Direct current inverted frequency					
	Range	%	~100					
Input power	Cooling	KW	19	21.6	23.5	25.7	28	28.7
	Heating	KW	18.6	21.3	23.1	25.6	27.6	28.5
The maximum number of indoor units which can be connected			34	36	39	42	45	48
Noise		dB(A)	66	65	66	66	66	67
Defrosting method			Intelligent defrost control					

## ■ Two modules combination

Model name (combined Unit)			TMR360ADB	TMR380ADB	TMR400ADB	TMR420ADB	TMR440ADB
Model (Basic module)			TMR160ADB+ TMR200ADB	TMR160ADB+ TMR220ADB	TMR200ADB+ TMR200ADB	TMR200ADB+ TMR220ADB	TMR220ADB+ TMR220ADB
Capacity		HP	36	38	40	42	44
Cooling capacity		KW	101	106.5	112	117.5	123
Heating capacity		KW	110	110	120	120	120
Capacity control	Method		Direct current inverted frequency				
	Range	%	~100				
Input power	Cooling	KW	31.9	33	35.8	36.9	38
	Heating	KW	30.4	31.4	33.2	34.2	35.2
The maximum number of indoor units which can be connected			50	52	54	56	58
Noise		dB(A)	67	67	68	68	68
Defrosting method			Intelligent defrost control				

## ■ Three modules combination

Model name (combined Unit)			TMR460ADB	TMR480ADB	TMR500ADB	TMR520ADB	TMR540ADB	TMR560ADB
Model (Basic module)			TMR140ADB+ TMR160ADB+ TMR160ADB	TMR160ADB+ TMR160ADB+ TMR160ADB	TMR160ADB+ TMR160ADB+ TMR180ADB	TMR160ADB+ TMR160ADB+ TMR200ADB	TMR160ADB+ TMR160ADB+ TMR220ADB	TMR160ADB+ TMR200ADB+ TMR200ADB
Capacity		HP	46	48	50	52	54	56
Cooling capacity		KW	130	135	140	146	151.5	157
Heating capacity		KW	145	150	156	160	160	170
Capacity control	Method		Direct current inverted frequency					
	Range	%	~100					
Input power	Cooling	KW	39.7	42	42.7	45.9	47	49.8
	Heating	KW	39.4	41.4	42.3	44.2	45.2	47
The maximum number of indoor units which can be connected			60	60	60	60	60	60
Noise		dB(A)	68	68	69	69	69	69
Defrosting method			Intelligent defrost control					

Note:

- The design of this unit performs standard GB/T 18837-2015.
- Refrigeration working condition: Indoor temperature is 27°CDB, 19°CWB/ outdoor temperature: 35°CDB  
Heating working condition: Indoor temperature is 20°CDB, 15°CWB/ outdoor temperature: 7°CDB, 6°CWB.
- The running noise value is tested in semi-anechoic room.
- The tube diameter varies when the tube length is longer than 90m.

### ■ Three modules combination

Model name (combined Unit)			TMR580ADB	TMR600ADB	TMR620ADB	TMR640ADB	TMR660ADB
Model (Basic module)			TMR160ADB+ TMR200ADB+ TMR220ADB	TMR160ADB+ TMR220ADB+ TMR220ADB	TMR200ADB+ TMR200ADB+ TMR220ADB	TMR200ADB+ TMR220ADB+ TMR220ADB	TMR220ADB+ TMR220ADB+ TMR220ADB
Capacity		HP	58	60	62	64	66
Cooling capacity		KW	162.5	168	173.5	179	184.5
Heating capacity		KW	170	170	180	180	180
Capacity control	Method		Direct current inverted frequency				
	Range	%	~100				
Input power	Cooling	KW	50.9	52	54.8	55.9	57
	Heating	KW	48	49	50.8	51.8	52.8
The maximum number of indoor units which can be connected			60	60	60	60	60
Noise		dB(A)	69	69	70	70	70
Defrosting method			Intelligent defrost control				

### ■ Four modules combination

Model name (combined Unit)			TMR680ADB	TMR700ADB	TMR720ADB	TMR740ADB	TMR760ADB	TMR780ADB
Model (Basic module)			TMR160ADB+ TMR160ADB+ TMR160ADB+ TMR200ADB	TMR160ADB+ TMR160ADB+ TMR160ADB+ TMR220ADB	TMR160ADB+ TMR160ADB+ TMR200ADB+ TMR200ADB	TMR160ADB+ TMR160ADB+ TMR200ADB+ TMR220ADB	TMR160ADB+ TMR160ADB+ TMR220ADB+ TMR220ADB	TMR160ADB+ TMR200ADB+ TMR200ADB+ TMR220ADB
Capacity		HP	68	70	72	74	76	78
Cooling capacity		KW	191	196.5	202	207.5	213	218.5
Heating capacity		KW	210	210	220	220	220	230
Capacity control	Method		Direct current inverted frequency					
	Range	%	~100					
Input power	Cooling	KW	59.9	61	63.8	64.9	66	68.8
	Heating	KW	58	59	60.8	61.8	62.8	64.6
The maximum number of indoor units which can be connected			60	60	60	60	60	60
Noise		dB(A)	70	70	70	70	70	71
Defrosting method			Intelligent defrost control					

### ■ Four modules combination

Model name (combined Unit)			TMR800ADB	TMR820ADB	TMR840ADB	TMR860ADB	TMR880ADB
Model (Basic module)			TMR160ADB+ TMR200ADB+ TMR220ADB+ TMR220ADB	TMR160ADB+ TMR220ADB+ TMR220ADB+ TMR220ADB	TMR200ADB+ TMR200ADB+ TMR220ADB+ TMR220ADB	TMR200ADB+ TMR220ADB+ TMR220ADB+ TMR220ADB	TMR220ADB+ TMR220ADB+ TMR220ADB+ TMR220ADB
Capacity		HP	80	82	84	86	88
Cooling capacity		KW	224	229.5	235	240.5	246
Heating capacity		KW	230	230	240	240	240
Capacity control	Method		Direct current inverted frequency				
	Range	%	~100				
Input power	Cooling	KW	69.9	71	73.8	74.9	76
	Heating	KW	65.6	66.6	68.4	69.4	70.4
The maximum number of indoor units which can be connected			60	60	60	60	60
Noise		dB(A)	71	71	71	71	71
Defrosting method			Intelligent defrost control				

Note:

1. The design of this unit performs standard GB/T 18837-2015.
2. Refrigeration working condition: Indoor temperature is 27°CDB, 19°CWB/ outdoor temperature: 35°CDB  
Heating working condition: Indoor temperature is 20°CDB, 15°CWB/ outdoor temperature: 7°CDB, 6°CWB.
3. The running noise value is tested in semi-anechoic room.
4. The tube diameter varies when the tube length is longer than 90m.

## 1-2. Electric specifications

Model name			TMR080ADB	TMR100ADB	TMR120ADB	TMR140ADB	TMR160ADB
Power supply			380V~3N/50HZ				
Voltage range	Minimum	%	-10				
	Maximum	%	10				
Current	Nominal cooling running current	A	10.9	12.5	16.1	19.3	23.8
	Nominal heating running current	A	10.7	12.4	15.3	19.4	22.6
	Minimum circuit amps (MCA)	A	18	20	24.7	34.7	36.5
	Maximum fuse amps (MFA)	A	25	25	32	50	50
	Total over-current amps (TOCA)	A	25.5	25.5	27.5	41.7	41.7
	Full-load amps (FLA)	A	4.5	4.5	7.9	7.9	7.9

Model name			TMR180ADB	TMR200ADB	TMR220ADB
Power supply			380V~3N/50HZ		
Voltage range	Minimum	%	-10		
	Maximum	%	10		
Current	Nominal cooling running current	A	24.2	29.4	32.1
	Nominal heating running current	A	24.2	27.5	30.2
	Minimum circuit amps (MCA)	A	40.8	43.2	46.6
	Maximum fuse amps (MFA)	A	50	63	63
	Total over-current amps (TOCA)	A	50.5	50.5	53.6
	Full-load amps (FLA)	A	8.7	8.7	8.7

Type (combined Unit)			TMR240ADB	TMR260ADB	TMR280ADB	TMR300ADB	TMR320ADB	TMR340ADB
Power supply			380V~3N/50HZ					
Current	Nominal cooling running current	A	32.2	36.3	39.9	43.1	47.6	48
	Nominal heating running current	A	30.6	35	37.9	42	45.2	46.8
	Minimum circuit amps (MCA)	A	49.4	56.5	61.2	71.2	73	77.3
	Maximum fuse amps (MFA)	A	63	80	80	100	100	100
	Total over-current amps (TOCA)	A	55	67.2	69.2	83.4	83.4	92.2
	Full-load amps (FLA)	A	15.8	12.4	15.8	15.8	15.8	16.6

Note:

- Nominal cooling running current get it according to the terms below: outdoor temperature: 35°CDB/24°CWB; indoor temperature: 27°CDB/19°CWB.  
Nominal heating running current get it according to the terms below: outdoor temperature: 7°CDB/6°CWB; indoor temperature: 20°CDB/15°CWB.
- Select wire size based on the value of MCA.
- MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).
- Maximum allowable voltage range variation between phases is 2%.

Type (combined Unit)			TMR360ADB	TMR380ADB	TMR400ADB	TMR420ADB	TMR440ADB
Power supply			380V~3N/50HZ				
Current	Nominal cooling running current	A	53.2	55.9	58.8	61.5	64.2
	Nominal heating running current	A	50.1	52.8	55	57.7	60.4
	Minimum circuit amps (MCA)	A	79.7	83.1	86.4	89.8	93.2
	Maximum fuse amps (MFA)	A	100	100	125	125	125
	Total over-current amps (TOCA)	A	92.2	95.3	101	104.1	107.2
	Full-load amps (FLA)	A	16.6	16.6	17.4	17.4	17.4

Type (combined Unit)			TMR460ADB	TMR480ADB	TMR500ADB	TMR520ADB	TMR540ADB	TMR560ADB
Power supply			380V~3N/50HZ					
Current	Nominal cooling running current	A	66.9	71.4	71.8	77	79.7	82.6
	Nominal heating running current	A	64.6	67.8	69.4	72.7	75.4	77.6
	Minimum circuit amps (MCA)	A	107.7	109.5	113.8	116.2	119.6	122.9
	Maximum amps (MFA)	A	160	160	160	160	160	160
	Total over-current amps (TOCA)	A	125.1	125.1	133.9	133.9	137	142.7
	Full-load amps (FLA)	A	23.7	23.7	24.5	24.5	24.5	25.3

Type (combined Unit)			TMR580ADB	TMR600ADB	TMR620ADB	TMR640ADB	TMR660ADB
Power supply			380V~3N/50HZ				
Current	Nominal cooling running current	A	85.3	88	90.9	93.6	96.3
	Nominal heating running current	A	80.3	83	85.2	87.9	90.6
	Minimum circuit amps (MCA)	A	126.3	129.7	133	136.4	139.8
	Maximum amps (MFA)	A	200	200	200	200	200
	Total over-current amps (TOCA)	A	145.8	148.9	154.6	157.7	160.8
	Full-load amps (FLA)	A	25.3	25.3	26.1	26.1	26.1

**Note:**

- Nominal cooling running current get it according to the terms below: outdoor temperature: 35°CDB/24°CWB; indoor temperature: 27°CDB/19°CWB.  
Nominal heating running current get it according to the terms below: outdoor temperature: 7°CDB/6°CWB; indoor temperature: 20°CDB/15°CWB.
- Select wire size based on the value of MCA.
- MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).
- Maximum allowable voltage range variation between phases is 2%.



Type (combined Unit)			TMR680ADB	TMR700ADB	TMR720ADB	TMR740ADB	TMR760ADB	TMR780ADB
Power supply			380V~3N/50HZ					
Current	Nominal cooling running current	A	100.8	103.5	106.4	109.1	111.8	114.7
	Nominal heating running current	A	95.3	98	100.2	102.9	105.6	107.8
	Minimum circuit amps (MCA)	A	152.7	156.1	159.4	162.8	166.2	169.5
	Maximum amps (MFA)	A	200	200	200	200	200	200
	Total over-current amps (TOCA)	A	175.6	178.7	184.4	187.5	190.6	196.3
	Full-load amps (FLA)	A	32.4	32.4	33.2	33.2	33.2	34

Type (combined Unit)			TMR800ADB	TMR820ADB	TMR840ADB	TMR860ADB	TMR880ADB
Power supply			380V~3N/50HZ				
Current	Nominal cooling running current	A	117.4	120.1	123	125.7	128.4
	Nominal heating running current	A	110.5	113.2	115.4	118.1	120.8
	Minimum circuit amps (MCA)	A	172.9	176.3	179.6	183	186.4
	Maximum amps (MFA)	A	200	200	200	200	200
	Total over-current amps (TOCA)	A	199.4	202.5	208.2	211.3	214.4
	Full-load amps (FLA)	A	34	34	34.8	34.8	34.8

**Note:**

- Nominal cooling running current get it according to the terms below: outdoor temperature: 35°CDB/24°CWB; indoor temperature: 27°CDB/19°CWB.  
Nominal heating running current get it according to the terms below: outdoor temperature: 7°CDB/6°CWB; indoor temperature: 20°CDB/15°CWB.
- Select wire size based on the value of MCA.
- MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).
- Maximum allowable voltage range variation between phases is 2%.

## 2 Accessories

### 2-1. Optional accessories list

Model		TMR080ADB	TMR100ADB	TMR120ADB	TMR140ADB	TMR160ADB	TMR180ADB	TMR200ADB	TMR220ADB
1	Outdoor unit two combination branch pipes	TRJ-0D2D							
2	Outdoor unit three combination branch pipes	TRJ-0D3D							
3	Outdoor unit four combination branch pipes	TRJ-0D4D							

## 3 Recommended Combination Table

### 3-1. Recommended combination table

Unit capacity (HP)	Model	Basic/Combination
8	TMR080ADB	TMR080ADB
10	TMR100ADB	TMR100ADB
12	TMR120ADB	TMR120ADB
14	TMR140ADB	TMR140ADB
16	TMR160ADB	TMR160ADB
18	TMR180ADB	TMR180ADB
20	TMR200ADB	TMR200ADB
22	TMR220ADB	TMR220ADB
24	TMR240ADB	TMR120ADB+TMR120ADB
26	TMR260ADB	TMR100ADB+TMR160ADB
28	TMR280ADB	TMR120ADB+TMR160ADB
30	TMR300ADB	TMR140ADB+TMR160ADB
32	TMR320ADB	TMR160ADB+TMR160ADB
34	TMR340ADB	TMR160ADB+TMR180ADB
36	TMR360ADB	TMR160ADB+TMR200ADB
38	TMR380ADB	TMR160ADB+TMR220ADB
40	TMR400ADB	TMR200ADB+TMR200ADB
42	TMR420ADB	TMR200ADB+TMR220ADB
44	TMR440ADB	TMR220ADB+TMR220ADB
46	TMR460ADB	TMR140ADB+TMR160ADB+TMR160ADB
48	TMR480ADB	TMR160ADB+TMR160ADB+TMR160ADB
50	TMR500ADB	TMR160ADB+TMR160ADB+TMR180ADB
52	TMR520ADB	TMR160ADB+TMR160ADB+TMR200ADB
54	TMR540ADB	TMR160ADB+TMR160ADB+TMR220ADB
56	TMR560ADB	TMR160ADB+TMR200ADB+TMR200ADB
58	TMR580ADB	TMR160ADB+TMR200ADB+TMR220ADB
60	TMR600ADB	TMR160ADB+TMR220ADB+TMR220ADB
62	TMR620ADB	TMR200ADB+TMR200ADB+TMR220ADB
64	TMR640ADB	TMR200ADB+TMR220ADB+TMR220ADB
66	TMR660ADB	TMR220ADB+TMR220ADB+TMR220ADB
68	TMR680ADB	TMR160ADB+TMR160ADB+TMR160ADB+TMR200ADB
70	TMR700ADB	TMR160ADB+TMR160ADB+TMR160ADB+TMR220ADB
72	TMR720ADB	TMR160ADB+TMR160ADB+TMR200ADB+TMR200ADB
74	TMR740ADB	TMR160ADB+TMR160ADB+TMR200ADB+TMR220ADB
76	TMR760ADB	TMR160ADB+TMR160ADB+TMR220ADB+TMR220ADB
78	TMR780ADB	TMR160ADB+TMR200ADB+TMR200ADB+TMR220ADB
80	TMR800ADB	TMR160ADB+TMR200ADB+TMR220ADB+TMR220ADB
82	TMR820ADB	TMR160ADB+TMR220ADB+TMR220ADB+TMR220ADB
84	TMR840ADB	TMR200ADB+TMR200ADB+TMR220ADB+TMR220ADB
86	TMR860ADB	TMR200ADB+TMR220ADB+TMR220ADB+TMR220ADB
88	TMR880ADB	TMR220ADB+TMR220ADB+TMR220ADB+TMR220ADB

Note: All above are the best combination modules.

## 4 Capacity Tables

### 4-1. Cooling capacity tables

#### ■ TMR080ADB

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	19.13	2.78	22.59	3.25	26.04	3.65	27.63	3.97	30.08	4.01	32.20	4.04	33.48	4.08
	12	19.13	2.83	22.59	3.31	26.04	3.71	27.63	4.04	30.08	4.08	32.20	4.12	33.18	4.16
	14	19.13	2.88	22.59	3.37	26.04	3.78	27.63	4.11	30.08	4.15	31.91	4.19	32.89	4.23
	16	19.13	2.93	22.59	3.43	26.04	3.85	27.63	4.18	30.08	4.22	31.62	4.27	32.59	4.31
	18	19.13	2.98	22.59	3.49	26.04	3.91	27.63	4.25	30.08	4.30	31.34	4.34	32.30	4.38
	19	19.13	3.03	22.59	3.55	26.04	3.98	27.63	4.33	30.08	4.37	31.05	4.41	32.00	4.46
	21	19.13	3.08	22.59	3.61	26.04	4.05	27.63	4.40	30.08	4.44	30.76	4.49	31.70	4.53
	23	19.13	3.13	22.59	3.67	26.04	4.11	27.63	4.47	30.08	4.51	30.47	4.56	31.41	4.60
	25	19.13	3.23	22.59	3.78	26.04	4.25	27.63	4.61	29.80	4.66	30.19	4.71	31.11	4.75
	27	19.13	3.28	22.59	3.84	26.04	4.31	27.63	4.69	29.52	4.73	29.90	4.78	30.81	4.83
	29	19.13	4.04	22.59	4.73	26.04	5.31	27.63	5.77	29.24	5.83	29.61	5.88	30.52	5.94
	31	19.13	4.54	22.59	5.32	26.04	5.97	27.63	6.49	28.96	6.55	29.32	6.62	30.22	6.68
	33	19.13	4.79	22.59	5.62	26.04	6.30	27.63	6.85	28.39	6.92	29.04	6.99	29.93	7.05
	35	19.13	5.05	22.59	5.91	26.04	6.63	27.63	7.21	28.11	7.28	28.75	7.35	29.63	7.43
	37	19.13	5.27	22.59	6.17	26.04	6.92	27.08	7.52	27.55	7.56	27.89	7.60	28.44	7.64
	39	19.13	5.45	22.59	6.39	26.04	7.16	26.88	7.79	27.27	7.83	27.60	7.93	27.85	7.98
	41	19.13	5.67	22.59	6.65	26.04	7.46	26.80	8.10	26.99	8.16	27.31	8.24	27.55	8.30
	43	19.13	5.96	22.59	6.98	26.04	7.83	26.52	8.51	26.71	8.59	27.02	8.66	27.41	8.70
	46	19.13	6.22	22.59	7.28	26.04	8.17	25.99	8.88	26.17	8.92	26.21	8.95	26.31	8.95
	48	19.13	6.43	22.59	7.53	26.04	8.45	25.81	9.19	25.91	9.24	25.94	9.34	25.76	9.36
120%	50	19.13	6.69	22.59	7.84	26.04	8.80	25.73	9.56	25.64	9.62	25.67	9.70	25.49	9.73
	10	18.82	2.75	22.22	3.22	25.62	3.61	27.18	3.93	29.59	3.97	31.67	4.01	32.94	4.04
	12	18.82	2.80	22.22	3.28	25.62	3.68	27.18	4.00	29.59	4.04	31.67	4.08	32.64	4.12
	14	18.82	2.85	22.22	3.34	25.62	3.74	27.18	4.07	29.59	4.11	31.39	4.15	32.35	4.19
	16	18.82	2.90	22.22	3.40	25.62	3.81	27.18	4.14	29.59	4.18	31.11	4.22	32.06	4.27
	18	18.82	2.95	22.22	3.45	25.62	3.88	27.18	4.21	29.59	4.25	30.83	4.30	31.77	4.34
	19	18.82	3.00	22.22	3.51	25.62	3.94	27.18	4.28	29.59	4.33	30.54	4.37	31.48	4.41
	21	18.82	3.05	22.22	3.57	25.62	4.01	27.18	4.36	29.59	4.40	30.26	4.44	31.19	4.49
	23	18.82	3.10	22.22	3.63	25.62	4.07	27.18	4.43	29.59	4.47	29.98	4.52	30.90	4.56
	25	18.82	3.20	22.22	3.75	25.62	4.20	27.18	4.57	29.31	4.62	29.69	4.66	30.60	4.71
	27	18.82	3.25	22.22	3.81	25.62	4.27	27.18	4.64	29.04	4.69	29.41	4.73	30.31	4.78
	29	18.82	4.00	22.22	4.68	25.62	5.26	27.18	5.71	28.76	5.77	29.13	5.83	30.02	5.88
	31	18.82	4.50	22.22	5.27	25.62	5.91	27.18	6.43	28.49	6.49	28.85	6.55	29.73	6.62
	33	18.82	4.75	22.22	5.56	25.62	6.24	27.18	6.78	27.93	6.85	28.56	6.92	29.44	6.99
	35	18.82	5.00	22.22	5.85	25.62	6.57	27.18	7.14	27.66	7.21	28.28	7.28	29.15	7.35
	37	18.82	5.22	22.22	6.11	25.62	6.86	26.64	7.45	27.10	7.49	27.43	7.53	27.98	7.56
	39	18.82	5.40	22.22	6.32	25.62	7.09	26.45	7.71	26.83	7.75	27.15	7.85	27.40	7.91
	41	18.82	5.62	22.22	6.58	25.62	7.38	26.36	8.03	26.55	8.08	26.87	8.16	27.11	8.22
	43	18.82	5.90	22.22	6.91	25.62	7.75	26.09	8.43	26.27	8.51	26.58	8.58	26.96	8.62
	46	18.82	6.15	22.22	7.21	25.62	8.09	25.57	8.79	25.75	8.84	25.79	8.87	25.88	8.87
110%	48	18.82	6.37	22.22	7.46	25.62	8.37	25.39	9.10	25.48	9.15	25.52	9.25	25.34	9.27
	50	18.82	6.63	22.22	7.77	25.62	8.71	25.31	9.47	25.22	9.53	25.25	9.61	25.07	9.64
	10	18.51	2.68	21.85	3.14	25.19	3.53	26.73	3.83	29.10	3.87	31.15	3.91	32.39	3.95
	12	18.51	2.73	21.85	3.20	25.19	3.59	26.73	3.90	29.10	3.94	31.15	3.98	32.10	4.02
	14	18.51	2.78	21.85	3.26	25.19	3.66	26.73	3.97	29.10	4.01	30.87	4.05	31.82	4.09
	16	18.51	2.83	21.85	3.31	25.19	3.72	26.73	4.04	29.10	4.08	30.59	4.12	31.53	4.16
	18	18.51	2.88	21.85	3.37	25.19	3.78	26.73	4.11	29.10	4.15	30.32	4.19	31.24	4.24
	19	18.51	2.93	21.85	3.43	25.19	3.85	26.73	4.18	29.10	4.22	30.04	4.27	30.96	4.31
	21	18.51	2.98	21.85	3.49	25.19	3.91	26.73	4.25	29.10	4.29	29.76	4.34	30.67	4.38
	23	18.51	3.02	21.85	3.54	25.19	3.98	26.73	4.32	29.10	4.36	29.48	4.41	30.38	4.45
	25	18.51	3.12	21.85	3.66	25.19	4.10	26.73	4.46	28.83	4.51	29.20	4.55	30.10	4.59
	27	18.51	3.17	21.85	3.72	25.19	4.17	26.73	4.53	28.56	4.58	28.93	4.62	29.81	4.67
	29	18.51	3.90	21.85	4.57	25.19	5.13	26.73	5.58	28.29	5.63	28.65	5.69	29.52	5.74
	31	18.51	4.39	21.85	5.14	25.19	5.77	26.73	6.27	28.01	6.34	28.37	6.40	29.24	6.46
	33	18.51	4.64	21.85	5.43	25.19	6.09	26.73	6.62	27.47	6.69	28.09	6.75	28.95	6.82
	35	18.51	4.88	21.85	5.72	25.19	6.41	26.73	6.97	27.20	7.04	27.81	7.11	28.66	7.18
	37	18.51	5.09	21.85	5.96	25.19	6.69	26.20	7.27	26.65	7.31	26.98	7.35	27.52	7.38
	39	18.51	5.27	21.85	6.17	25.19	6.93	26.01	7.53	26.38	7.57	26.70	7.66	26.94	7.72
	41	18.51	5.48	21.85	6.42	25.19	7.21	25.93	7.83	26.11	7.88	26.42	7.96	26.66	8.03
	43	18.51	5.76	21.85	6.74	25.19	7.57	25.66	8.22	25.84	8.31	26.14	8.37	26.51	8.41
	46	18.51	6.01	21.85	7.04	25.19	7.90	25.15	8.58	25.32	8.63	25.36	8.66	25.45	8.65
	48	18.51	6.22	21.85	7.28	25.19	8.17	24.97	8.88	25.06	8.93	25.10	9.03	24.92	9.04
	50	18.51	6.47	21.85	7.58	25.19	8.50	24.89	9.24	24.80	9.30	24.84	9.38	24.66	9.41

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	17.45	2.54	20.60	2.98	23.75	3.34	25.20	3.63	27.44	3.67	29.37	3.70	30.54	3.74
	12	17.45	2.59	20.60	3.03	23.75	3.40	25.20	3.70	27.44	3.73	29.37	3.77	30.27	3.81
	14	17.45	2.63	20.60	3.08	23.75	3.46	25.20	3.76	27.44	3.80	29.10	3.84	30.00	3.87
	16	17.45	2.68	20.60	3.14	23.75	3.52	25.20	3.83	27.44	3.87	28.84	3.90	29.73	3.94
	18	17.45	2.73	20.60	3.19	23.75	3.58	25.20	3.89	27.44	3.93	28.58	3.97	29.46	4.01
	19	17.45	2.77	20.60	3.25	23.75	3.64	25.20	3.96	27.44	4.00	28.32	4.04	29.19	4.08
	21	17.45	2.82	20.60	3.30	23.75	3.70	25.20	4.03	27.44	4.07	28.06	4.11	28.91	4.15
	23	17.45	2.86	20.60	3.36	23.75	3.76	25.20	4.09	27.44	4.13	27.79	4.17	28.64	4.21
	25	17.45	2.96	20.60	3.46	23.75	3.89	25.20	4.22	27.18	4.27	27.53	4.31	28.37	4.35
	27	17.45	3.00	20.60	3.52	23.75	3.95	25.20	4.29	26.92	4.33	27.27	4.38	28.10	4.42
	29	17.45	3.70	20.60	4.33	23.75	4.86	25.20	5.28	26.67	5.33	27.01	5.39	27.83	5.44
	31	17.45	4.16	20.60	4.87	23.75	5.46	25.20	5.94	26.41	6.00	26.75	6.06	27.56	6.12
	33	17.45	4.39	20.60	5.14	23.75	5.77	25.20	6.27	25.90	6.33	26.48	6.40	27.29	6.46
	35	17.45	4.62	20.60	5.41	23.75	6.07	25.20	6.60	25.64	6.67	26.22	6.73	27.02	6.80
	37	17.45	4.82	20.60	5.65	23.75	6.34	24.70	6.89	25.13	6.92	25.43	6.96	25.94	6.99
	39	17.45	4.99	20.60	5.84	23.75	6.56	24.52	7.13	24.87	7.17	25.17	7.26	25.40	7.31
	41	17.45	5.19	20.60	6.08	23.75	6.82	24.44	7.42	24.62	7.47	24.91	7.54	25.13	7.60
	43	17.45	5.45	20.60	6.39	23.75	7.16	24.19	7.79	24.36	7.87	24.65	7.93	25.00	7.97
	46	17.45	5.69	20.60	6.66	23.75	7.48	23.71	8.13	23.87	8.17	23.91	8.20	24.00	8.20
	48	17.45	5.89	20.60	6.90	23.75	7.74	23.54	8.41	23.63	8.46	23.66	8.55	23.50	8.56
	50	17.45	6.13	20.60	7.18	23.75	8.05	23.47	8.75	23.38	8.81	23.41	8.88	23.25	8.91
90%	10	15.71	2.13	18.54	2.50	21.38	2.80	22.68	3.05	24.69	3.08	26.43	3.11	27.48	3.14
	12	15.71	2.17	18.54	2.54	21.38	2.85	22.68	3.10	24.69	3.13	26.43	3.16	27.24	3.20
	14	15.71	2.21	18.54	2.59	21.38	2.91	22.68	3.16	24.69	3.19	26.19	3.22	27.00	3.25
	16	15.71	2.25	18.54	2.63	21.38	2.96	22.68	3.21	24.69	3.25	25.96	3.28	26.75	3.31
	18	15.71	2.29	18.54	2.68	21.38	3.01	22.68	3.27	24.69	3.30	25.72	3.33	26.51	3.37
	19	15.71	2.33	18.54	2.73	21.38	3.06	22.68	3.32	24.69	3.36	25.49	3.39	26.27	3.42
	21	15.71	2.37	18.54	2.77	21.38	3.11	22.68	3.38	24.69	3.41	25.25	3.45	26.02	3.48
	23	15.71	2.40	18.54	2.82	21.38	3.16	22.68	3.43	24.69	3.47	25.01	3.50	25.78	3.54
	25	15.71	2.48	18.54	2.91	21.38	3.26	22.68	3.55	24.46	3.58	24.78	3.62	25.54	3.65
	27	15.71	2.52	18.54	2.95	21.38	3.31	22.68	3.60	24.23	3.64	24.54	3.67	25.29	3.71
	29	15.71	3.10	18.54	3.63	21.38	4.08	22.68	4.43	24.00	4.48	24.31	4.52	25.05	4.56
	31	15.71	3.49	18.54	4.09	21.38	4.59	22.68	4.99	23.77	5.04	24.07	5.09	24.81	5.14
	33	15.71	3.68	18.54	4.32	21.38	4.84	22.68	5.26	23.31	5.32	23.83	5.37	24.56	5.42
	35	15.71	3.88	18.54	4.54	21.38	5.10	22.68	5.54	23.08	5.60	23.60	5.65	24.32	5.71
	37	15.71	4.05	18.54	4.74	21.38	5.32	22.23	5.78	22.62	5.81	22.89	5.84	23.35	5.87
	39	15.71	4.19	18.54	4.91	21.38	5.50	22.07	5.98	22.38	6.02	22.65	6.09	22.86	6.13
	41	15.71	4.36	18.54	5.11	21.38	5.73	22.00	6.23	22.15	6.27	22.42	6.33	22.62	6.38
	43	15.71	4.58	18.54	5.36	21.38	6.01	21.77	6.54	21.92	6.60	22.18	6.66	22.50	6.69
	46	15.71	4.78	18.54	5.59	21.38	6.28	21.34	6.82	21.48	6.86	21.52	6.88	21.60	6.88
	48	15.71	4.94	18.54	5.79	21.38	6.50	21.18	7.06	21.27	7.10	21.30	7.18	21.15	7.19
	50	15.71	5.14	18.54	6.03	21.38	6.76	21.12	7.35	21.05	7.39	21.07	7.46	20.92	7.48
80%	10	13.96	1.75	16.48	2.05	19.00	2.30	20.16	2.50	21.95	2.52	23.49	2.55	24.43	2.57
	12	13.96	1.78	16.48	2.08	19.00	2.34	20.16	2.54	21.95	2.57	23.49	2.59	24.21	2.62
	14	13.96	1.81	16.48	2.12	19.00	2.38	20.16	2.59	21.95	2.61	23.28	2.64	24.00	2.67
	16	13.96	1.84	16.48	2.16	19.00	2.42	20.16	2.63	21.95	2.66	23.07	2.69	23.78	2.71
	18	13.96	1.88	16.48	2.20	19.00	2.46	20.16	2.68	21.95	2.71	22.86	2.73	23.56	2.76
	19	13.96	1.91	16.48	2.23	19.00	2.51	20.16	2.72	21.95	2.75	22.65	2.78	23.35	2.81
	21	13.96	1.94	16.48	2.27	19.00	2.55	20.16	2.77	21.95	2.80	22.44	2.82	23.13	2.85
	23	13.96	1.97	16.48	2.31	19.00	2.59	20.16	2.81	21.95	2.84	22.24	2.87	22.92	2.90
	25	13.96	2.03	16.48	2.38	19.00	2.67	20.16	2.91	21.74	2.93	22.03	2.96	22.70	2.99
	27	13.96	2.07	16.48	2.42	19.00	2.71	20.16	2.95	21.54	2.98	21.82	3.01	22.48	3.04
	29	13.96	2.54	16.48	2.98	19.00	3.34	20.16	3.63	21.33	3.67	21.61	3.70	22.27	3.74
	31	13.96	2.86	16.48	3.35	19.00	3.76	20.16	4.09	21.13	4.13	21.40	4.17	22.05	4.21
	33	13.96	3.02	16.48	3.54	19.00	3.97	20.16	4.31	20.72	4.36	21.19	4.40	21.83	4.44
	35	13.96	3.18	16.48	3.72	19.00	4.18	20.16	4.54	20.51	4.59	20.98	4.63	21.62	4.68
	37	13.96	3.32	16.48	3.89	19.00	4.36	19.76	4.74	20.10	4.76	20.35	4.79	20.75	4.81
	39	13.96	3.43	16.48	4.02	19.00	4.51	19.62	4.90	19.90	4.93	20.14	4.99	20.32	5.03
	41	13.96	3.57	16.48	4.18	19.00	4.69	19.56	5.10	19.69	5.14	19.93	5.19	20.11	5.23
	43	13.96	3.75	16.48	4.39	19.00	4.93	19.35	5.36	19.49	5.41	19.72	5.46	20.00	5.48
	46	13.96	3.91	16.48	4.58	19.00	5.14	18.97	5.59	19.10	5.62	19.13	5.64	19.20	5.64
	48	13.96	4.05	16.48	4.74	19.00	5.32	18.83	5.79	18.90	5.82	18.93	5.88	18.80	5.89
	50	13.96	4.22	16.48	4.94	19.00	5.54	18.77	6.02	18.71	6.06	18.73	6.11	18.60	6.13

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	12.22	1.39	14.42	1.63	16.63	1.83	17.64	1.99	19.21	2.01	20.56	2.03	21.38	2.05
	12	12.22	1.42	14.42	1.66	16.63	1.86	17.64	2.02	19.21	2.04	20.56	2.06	21.19	2.08
	14	12.22	1.44	14.42	1.69	16.63	1.89	17.64	2.06	19.21	2.08	20.37	2.10	21.00	2.12
	16	12.22	1.47	14.42	1.72	16.63	1.93	17.64	2.09	19.21	2.11	20.19	2.14	20.81	2.16
	18	12.22	1.49	14.42	1.75	16.63	1.96	17.64	2.13	19.21	2.15	20.01	2.17	20.62	2.19
	19	12.22	1.52	14.42	1.78	16.63	1.99	17.64	2.17	19.21	2.19	19.82	2.21	20.43	2.23
	21	12.22	1.54	14.42	1.81	16.63	2.03	17.64	2.20	19.21	2.22	19.64	2.25	20.24	2.27
	23	12.22	1.57	14.42	1.84	16.63	2.06	17.64	2.24	19.21	2.26	19.46	2.28	20.05	2.31
	25	12.22	1.62	14.42	1.89	16.63	2.13	17.64	2.31	19.03	2.33	19.27	2.36	19.86	2.38
	27	12.22	1.64	14.42	1.92	16.63	2.16	17.64	2.35	18.85	2.37	19.09	2.39	19.67	2.42
	29	12.22	2.02	14.42	2.37	16.63	2.66	17.64	2.89	18.67	2.92	18.91	2.95	19.48	2.97
	31	12.22	2.27	14.42	2.66	16.63	2.99	17.64	3.25	18.49	3.28	18.72	3.31	19.29	3.35
	33	12.22	2.40	14.42	2.81	16.63	3.16	17.64	3.43	18.13	3.46	18.54	3.50	19.11	3.53
	35	12.22	2.53	14.42	2.96	16.63	3.32	17.64	3.61	17.95	3.65	18.35	3.68	18.92	3.72
	37	12.22	2.64	14.42	3.09	16.63	3.47	17.29	3.77	17.59	3.79	17.80	3.81	18.16	3.82
	39	12.22	2.73	14.42	3.20	16.63	3.59	17.16	3.90	17.41	3.92	17.62	3.97	17.78	4.00
	41	12.22	2.84	14.42	3.33	16.63	3.73	17.11	4.06	17.23	4.08	17.44	4.12	17.59	4.16
	43	12.22	2.98	14.42	3.49	16.63	3.92	16.93	4.26	17.05	4.30	17.25	4.34	17.50	4.36
	46	12.22	3.11	14.42	3.65	16.63	4.09	16.60	4.45	16.71	4.47	16.74	4.48	16.80	4.48
	48	12.22	3.22	14.42	3.77	16.63	4.23	16.48	4.60	16.54	4.63	16.56	4.68	16.45	4.68
	50	12.22	3.35	14.42	3.93	16.63	4.40	16.43	4.79	16.37	4.82	16.39	4.86	16.27	4.87
60%	10	10.47	1.05	12.36	1.24	14.25	1.39	15.12	1.51	16.46	1.52	17.62	1.54	18.32	1.55
	12	10.47	1.07	12.36	1.26	14.25	1.41	15.12	1.53	16.46	1.55	17.62	1.57	18.16	1.58
	14	10.47	1.09	12.36	1.28	14.25	1.44	15.12	1.56	16.46	1.58	17.46	1.59	18.00	1.61
	16	10.47	1.11	12.36	1.30	14.25	1.46	15.12	1.59	16.46	1.61	17.31	1.62	17.84	1.64
	18	10.47	1.13	12.36	1.33	14.25	1.49	15.12	1.62	16.46	1.63	17.15	1.65	17.67	1.67
	19	10.47	1.15	12.36	1.35	14.25	1.51	15.12	1.64	16.46	1.66	16.99	1.68	17.51	1.69
	21	10.47	1.17	12.36	1.37	14.25	1.54	15.12	1.67	16.46	1.69	16.83	1.70	17.35	1.72
	23	10.47	1.19	12.36	1.39	14.25	1.56	15.12	1.70	16.46	1.72	16.68	1.73	17.19	1.75
	25	10.47	1.23	12.36	1.44	14.25	1.61	15.12	1.75	16.31	1.77	16.52	1.79	17.02	1.81
	27	10.47	1.25	12.36	1.46	14.25	1.64	15.12	1.78	16.15	1.80	16.36	1.82	16.86	1.83
	29	10.47	1.53	12.36	1.80	14.25	2.02	15.12	2.19	16.00	2.21	16.20	2.24	16.70	2.26
	31	10.47	1.73	12.36	2.02	14.25	2.27	15.12	2.47	15.85	2.49	16.05	2.52	16.54	2.54
	33	10.47	1.82	12.36	2.13	14.25	2.39	15.12	2.60	15.54	2.63	15.89	2.66	16.38	2.68
	35	10.47	1.92	12.36	2.25	14.25	2.52	15.12	2.74	15.38	2.77	15.73	2.79	16.21	2.82
	37	10.47	2.00	12.36	2.34	14.25	2.63	14.82	2.86	15.08	2.87	15.26	2.89	15.57	2.90
	39	10.47	2.07	12.36	2.43	14.25	2.72	14.71	2.96	14.92	2.97	15.10	3.01	15.24	3.03
	41	10.47	2.16	12.36	2.53	14.25	2.83	14.67	3.08	14.77	3.10	14.95	3.13	15.08	3.16
	43	10.47	2.26	12.36	2.65	14.25	2.97	14.52	3.23	14.62	3.27	14.79	3.29	15.00	3.31
	46	10.47	2.36	12.36	2.77	14.25	3.10	14.22	3.37	14.32	3.39	14.34	3.40	14.40	3.40
	48	10.47	2.44	12.36	2.86	14.25	3.21	14.12	3.49	14.18	3.51	14.20	3.55	14.10	3.56
	50	10.47	2.54	12.36	2.98	14.25	3.34	14.08	3.63	14.03	3.66	14.05	3.69	13.95	3.70
50%	10	8.73	0.74	10.30	0.87	11.88	0.98	12.60	1.06	13.72	1.07	14.68	1.08	15.27	1.09
	12	8.73	0.76	10.30	0.89	11.88	0.99	12.60	1.08	13.72	1.09	14.68	1.10	15.13	1.11
	14	8.73	0.77	10.30	0.90	11.88	1.01	12.60	1.10	13.72	1.11	14.55	1.12	15.00	1.13
	16	8.73	0.78	10.30	0.92	11.88	1.03	12.60	1.12	13.72	1.13	14.42	1.14	14.86	1.15
	18	8.73	0.80	10.30	0.93	11.88	1.05	12.60	1.14	13.72	1.15	14.29	1.16	14.73	1.17
	19	8.73	0.81	10.30	0.95	11.88	1.07	12.60	1.16	13.72	1.17	14.16	1.18	14.59	1.19
	21	8.73	0.82	10.30	0.97	11.88	1.08	12.60	1.18	13.72	1.19	14.03	1.20	14.46	1.21
	23	8.73	0.84	10.30	0.98	11.88	1.10	12.60	1.20	13.72	1.21	13.90	1.22	14.32	1.23
	25	8.73	0.86	10.30	1.01	11.88	1.14	12.60	1.24	13.59	1.25	13.77	1.26	14.19	1.27
	27	8.73	0.88	10.30	1.03	11.88	1.15	12.60	1.25	13.46	1.27	13.63	1.28	14.05	1.29
	29	8.73	1.08	10.30	1.27	11.88	1.42	12.60	1.54	13.33	1.56	13.50	1.57	13.92	1.59
	31	8.73	1.22	10.30	1.42	11.88	1.60	12.60	1.74	13.21	1.75	13.37	1.77	13.78	1.79
	33	8.73	1.28	10.30	1.50	11.88	1.69	12.60	1.83	12.95	1.85	13.24	1.87	13.65	1.89
	35	8.73	1.35	10.30	1.58	11.88	1.78	12.60	1.93	12.82	1.95	13.11	1.97	13.51	1.99
	37	8.73	1.41	10.30	1.65	11.88	1.85	12.35	2.01	12.56	2.02	12.72	2.03	12.97	2.04
	39	8.73	1.46	10.30	1.71	11.88	1.92	12.26	2.08	12.44	2.10	12.59	2.12	12.70	2.14
	41	8.73	1.52	10.30	1.78	11.88	2.00	12.22	2.17	12.31	2.18	12.45	2.20	12.57	2.22
	43	8.73	1.59	10.30	1.87	11.88	2.10	12.10	2.28	12.18	2.30	12.32	2.32	12.50	2.33
	46	8.73	1.66	10.30	1.95	11.88	2.19	11.85	2.38	11.94	2.39	11.95	2.40	12.00	2.40
	48	8.73	1.72	10.30	2.02	11.88	2.26	11.77	2.46	11.81	2.47	11.83	2.50	11.75	2.50
	50	8.73	1.79	10.30	2.10	11.88	2.36	11.73	2.56	11.69	2.58	11.71	2.60	11.62	2.60

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	6.98	0.59	8.24	0.69	9.50	0.77	10.08	0.84	10.97	0.85	11.75	0.86	12.21	0.87
	12	6.98	0.60	8.24	0.70	9.50	0.79	10.08	0.86	10.97	0.87	11.75	0.87	12.11	0.88
	14	6.98	0.61	8.24	0.72	9.50	0.80	10.08	0.87	10.97	0.88	11.64	0.89	12.00	0.90
	16	6.98	0.62	8.24	0.73	9.50	0.82	10.08	0.89	10.97	0.90	11.54	0.91	11.89	0.91
	18	6.98	0.63	8.24	0.74	9.50	0.83	10.08	0.90	10.97	0.91	11.43	0.92	11.78	0.93
	19	6.98	0.64	8.24	0.75	9.50	0.84	10.08	0.92	10.97	0.93	11.33	0.94	11.67	0.95
	21	6.98	0.65	8.24	0.77	9.50	0.86	10.08	0.93	10.97	0.94	11.22	0.95	11.57	0.96
	23	6.98	0.66	8.24	0.78	9.50	0.87	10.08	0.95	10.97	0.96	11.12	0.97	11.46	0.98
	25	6.98	0.69	8.24	0.80	9.50	0.90	10.08	0.98	10.87	0.99	11.01	1.00	11.35	1.01
	27	6.98	0.70	8.24	0.82	9.50	0.91	10.08	0.99	10.77	1.00	10.91	1.01	11.24	1.02
	29	6.98	0.86	8.24	1.00	9.50	1.13	10.08	1.22	10.67	1.24	10.80	1.25	11.13	1.26
	31	6.98	0.96	8.24	1.13	9.50	1.27	10.08	1.38	10.56	1.39	10.70	1.40	11.03	1.42
	33	6.98	1.02	8.24	1.19	9.50	1.34	10.08	1.45	10.36	1.47	10.59	1.48	10.92	1.50
	35	6.98	1.07	8.24	1.25	9.50	1.41	10.08	1.53	10.26	1.55	10.49	1.56	10.81	1.58
	37	6.98	1.12	8.24	1.31	9.50	1.47	9.88	1.60	10.05	1.60	10.17	1.61	10.38	1.62
	39	6.98	1.16	8.24	1.35	9.50	1.52	9.81	1.65	9.95	1.66	10.07	1.68	10.16	1.69
	41	6.98	1.20	8.24	1.41	9.50	1.58	9.78	1.72	9.85	1.73	9.96	1.75	10.05	1.76
	43	6.98	1.26	8.24	1.48	9.50	1.66	9.68	1.81	9.74	1.82	9.86	1.84	10.00	1.85
	46	6.98	1.32	8.24	1.54	9.50	1.73	9.48	1.88	9.55	1.89	9.56	1.90	9.60	1.90
	48	6.98	1.36	8.24	1.60	9.50	1.79	9.42	1.95	9.45	1.96	9.46	1.98	9.40	1.99
	50	6.98	1.42	8.24	1.66	9.50	1.87	9.39	2.03	9.35	2.04	9.37	2.06	9.30	2.06
30%	10	5.24	0.54	6.18	0.63	7.13	0.71	7.56	0.77	8.23	0.78	8.81	0.79	9.16	0.79
	12	5.24	0.55	6.18	0.64	7.13	0.72	7.56	0.78	8.23	0.79	8.81	0.80	9.08	0.81
	14	5.24	0.56	6.18	0.65	7.13	0.73	7.56	0.80	8.23	0.81	8.73	0.81	9.00	0.82
	16	5.24	0.57	6.18	0.67	7.13	0.75	7.56	0.81	8.23	0.82	8.65	0.83	8.92	0.84
	18	5.24	0.58	6.18	0.68	7.13	0.76	7.56	0.83	8.23	0.83	8.57	0.84	8.84	0.85
	19	5.24	0.59	6.18	0.69	7.13	0.77	7.56	0.84	8.23	0.85	8.50	0.86	8.76	0.87
	21	5.24	0.60	6.18	0.70	7.13	0.79	7.56	0.85	8.23	0.86	8.42	0.87	8.67	0.88
	23	5.24	0.61	6.18	0.71	7.13	0.80	7.56	0.87	8.23	0.88	8.34	0.89	8.59	0.89
	25	5.24	0.63	6.18	0.73	7.13	0.82	7.56	0.90	8.15	0.90	8.26	0.91	8.51	0.92
	27	5.24	0.64	6.18	0.75	7.13	0.84	7.56	0.91	8.08	0.92	8.18	0.93	8.43	0.94
	29	5.24	0.78	6.18	0.92	7.13	1.03	7.56	1.12	8.00	1.13	8.10	1.14	8.35	1.15
	31	5.24	0.88	6.18	1.03	7.13	1.16	7.56	1.26	7.92	1.27	8.02	1.29	8.27	1.30
	33	5.24	0.93	6.18	1.09	7.13	1.22	7.56	1.33	7.77	1.34	7.94	1.36	8.19	1.37
	35	5.24	0.98	6.18	1.15	7.13	1.29	7.56	1.40	7.69	1.41	7.87	1.43	8.11	1.44
	37	5.24	1.02	6.18	1.20	7.13	1.34	7.41	1.46	7.54	1.47	7.63	1.48	7.78	1.48
	39	5.24	1.06	6.18	1.24	7.13	1.39	7.36	1.51	7.46	1.52	7.55	1.54	7.62	1.55
	41	5.24	1.10	6.18	1.29	7.13	1.45	7.33	1.57	7.38	1.58	7.47	1.60	7.54	1.61
	43	5.24	1.16	6.18	1.35	7.13	1.52	7.26	1.65	7.31	1.67	7.39	1.68	7.50	1.69
	46	5.24	1.21	6.18	1.41	7.13	1.59	7.11	1.72	7.16	1.73	7.17	1.74	7.20	1.74
	48	5.24	1.25	6.18	1.46	7.13	1.64	7.06	1.78	7.09	1.79	7.10	1.81	7.05	1.82
	50	5.24	1.30	6.18	1.52	7.13	1.71	7.04	1.86	7.02	1.87	7.02	1.88	6.97	1.89
20%	10	3.49	0.31	4.12	0.37	4.75	0.41	5.04	0.45	5.49	0.45	5.87	0.45	6.11	0.46
	12	3.49	0.32	4.12	0.37	4.75	0.42	5.04	0.45	5.49	0.46	5.87	0.46	6.05	0.47
	14	3.49	0.32	4.12	0.38	4.75	0.42	5.04	0.46	5.49	0.47	5.82	0.47	6.00	0.48
	16	3.49	0.33	4.12	0.39	4.75	0.43	5.04	0.47	5.49	0.47	5.77	0.48	5.95	0.48
	18	3.49	0.33	4.12	0.39	4.75	0.44	5.04	0.48	5.49	0.48	5.72	0.49	5.89	0.49
	19	3.49	0.34	4.12	0.40	4.75	0.45	5.04	0.49	5.49	0.49	5.66	0.50	5.84	0.50
	21	3.49	0.35	4.12	0.41	4.75	0.45	5.04	0.49	5.49	0.50	5.61	0.50	5.78	0.51
	23	3.49	0.35	4.12	0.41	4.75	0.46	5.04	0.50	5.49	0.51	5.56	0.51	5.73	0.52
	25	3.49	0.36	4.12	0.43	4.75	0.48	5.04	0.52	5.44	0.52	5.51	0.53	5.67	0.53
	27	3.49	0.37	4.12	0.43	4.75	0.48	5.04	0.53	5.38	0.53	5.45	0.54	5.62	0.54
	29	3.49	0.45	4.12	0.53	4.75	0.60	5.04	0.65	5.33	0.65	5.40	0.66	5.57	0.67
	31	3.49	0.51	4.12	0.60	4.75	0.67	5.04	0.73	5.28	0.74	5.35	0.74	5.51	0.75
	33	3.49	0.54	4.12	0.63	4.75	0.71	5.04	0.77	5.18	0.78	5.30	0.78	5.46	0.79
	35	3.49	0.57	4.12	0.66	4.75	0.75	5.04	0.81	5.13	0.82	5.24	0.83	5.40	0.83
	37	3.49	0.59	4.12	0.69	4.75	0.78	4.94	0.85	5.03	0.85	5.09	0.85	5.19	0.86
	39	3.49	0.61	4.12	0.72	4.75	0.80	4.90	0.87	4.97	0.88	5.03	0.89	5.08	0.90
	41	3.49	0.64	4.12	0.75	4.75	0.84	4.89	0.91	4.92	0.92	4.98	0.93	5.03	0.93
	43	3.49	0.67	4.12	0.78	4.75	0.88	4.84	0.96	4.87	0.97	4.93	0.97	5.00	0.98
	46	3.49	0.70	4.12	0.82	4.75	0.92	4.74	1.00	4.77	1.00	4.78	1.01	4.80	1.01
	48	3.49	0.72	4.12	0.85	4.75	0.95	4.71	1.03	4.73	1.04	4.73	1.05	4.70	1.05
	50	3.49	0.75	4.12	0.88	4.75	0.99	4.69	1.07	4.68	1.08	4.68	1.09	4.65	1.09

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR100ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	21.26	3.20	25.10	3.74	28.93	4.20	30.70	4.57	33.42	4.61	35.78	4.66	37.20	4.70
	12	21.26	3.25	25.10	3.81	28.93	4.28	30.70	4.65	33.42	4.70	35.78	4.74	36.87	4.79
	14	21.26	3.31	25.10	3.88	28.93	4.35	30.70	4.73	33.42	4.78	35.46	4.83	36.54	4.87
	16	21.26	3.37	25.10	3.95	28.93	4.43	30.70	4.82	33.42	4.86	35.14	4.91	36.21	4.96
	18	21.26	3.43	25.10	4.02	28.93	4.51	30.70	4.90	33.42	4.95	34.82	5.00	35.88	5.05
	19	21.26	3.49	25.10	4.08	28.07	4.58	30.70	4.98	33.42	5.03	34.50	5.08	35.55	5.13
	21	21.26	3.55	25.10	4.15	28.93	4.66	30.70	5.06	33.42	5.12	34.18	5.17	35.23	5.22
	23	21.26	3.60	25.10	4.22	28.93	4.74	30.70	5.15	33.42	5.20	33.86	5.25	34.90	5.30
	25	21.26	3.72	25.10	4.36	28.93	4.89	30.70	5.31	33.11	5.37	33.54	5.42	34.57	5.47
	27	21.26	3.78	25.10	4.43	28.93	4.96	30.70	5.40	32.80	5.45	33.22	5.50	34.24	5.56
	29	21.26	4.65	25.10	5.45	28.93	6.11	30.70	6.64	32.49	6.71	32.90	6.77	33.91	6.84
	31	21.26	5.23	25.10	6.13	28.93	6.87	30.70	7.47	32.17	7.55	32.58	7.62	33.58	7.70
	33	21.26	5.52	25.10	6.47	28.93	7.26	30.70	7.89	31.55	7.97	32.26	8.05	33.25	8.12
	35	21.26	5.81	25.10	6.81	28.93	7.64	30.70	8.30	31.24	8.39	31.94	8.47	32.92	8.55
	37	21.26	6.07	25.10	7.10	28.93	7.97	30.09	8.66	30.61	8.71	30.99	8.75	31.60	8.80
	39	21.26	6.28	25.10	7.35	28.93	8.25	29.87	8.97	30.30	9.01	30.67	9.13	30.95	9.19
	41	21.26	6.53	25.10	7.65	28.93	8.59	29.78	9.33	29.99	9.39	30.35	9.48	30.62	9.56
	43	21.26	6.86	25.10	8.03	28.93	9.01	29.47	9.80	29.68	9.89	30.03	9.98	30.45	10.02
	46	21.26	7.16	25.10	8.38	28.93	9.41	28.88	10.22	29.08	10.28	29.13	10.31	29.23	10.31
	48	21.26	7.41	25.10	8.68	28.93	9.73	28.68	10.58	28.79	10.64	28.83	10.75	28.62	10.77
	50	21.26	7.71	25.10	9.03	28.93	10.13	28.59	11.01	28.49	11.08	28.53	11.17	28.32	11.20
120%	10	20.91	3.17	24.69	3.71	28.46	4.16	30.20	4.52	32.88	4.57	35.19	4.61	36.60	4.66
	12	20.91	3.22	24.69	3.78	28.46	4.24	30.20	4.60	32.88	4.65	35.19	4.70	36.27	4.74
	14	20.91	3.28	24.69	3.84	28.46	4.31	30.20	4.69	32.88	4.73	34.88	4.78	35.95	4.83
	16	20.91	3.34	24.69	3.91	28.46	4.39	30.20	4.77	32.88	4.82	34.57	4.86	35.62	4.91
	18	20.91	3.40	24.69	3.98	28.46	4.46	30.20	4.85	32.88	4.90	34.25	4.95	35.30	5.00
	19	20.91	3.45	24.69	4.05	28.46	4.54	30.20	4.93	32.88	4.98	33.94	5.03	34.98	5.08
	21	20.91	3.51	24.69	4.11	28.46	4.61	30.20	5.02	32.88	5.07	33.62	5.12	34.65	5.17
	23	20.91	3.57	24.69	4.18	28.46	4.69	30.20	5.10	32.88	5.15	33.31	5.20	34.33	5.25
	25	20.91	3.68	24.69	4.31	28.46	4.84	30.20	5.26	32.57	5.31	32.99	5.37	34.00	5.42
	27	20.91	3.74	24.69	4.38	28.46	4.92	30.20	5.34	32.26	5.40	32.68	5.45	33.68	5.50
	29	20.91	4.60	24.69	5.39	28.46	6.05	30.20	6.58	31.96	6.64	32.37	6.71	33.36	6.77
	31	20.91	5.18	24.69	6.07	28.46	6.81	30.20	7.40	31.65	7.47	32.05	7.55	33.03	7.62
	33	20.91	5.47	24.69	6.40	28.46	7.19	30.20	7.81	31.04	7.89	31.74	7.97	32.71	8.05
	35	20.91	5.76	24.69	6.74	28.46	7.56	30.20	8.22	30.73	8.30	31.42	8.39	32.38	8.47
	37	20.91	6.01	24.69	7.04	28.46	7.89	29.60	8.58	30.11	8.62	30.48	8.67	31.09	8.71
	39	20.91	6.22	24.69	7.28	28.46	8.17	29.38	8.88	29.81	8.93	30.17	9.04	30.44	9.10
	41	20.91	6.47	24.69	7.58	28.46	8.50	29.29	9.24	29.50	9.30	29.85	9.39	30.12	9.47
	43	20.91	6.79	24.69	7.96	28.46	8.93	28.99	9.70	29.19	9.80	29.54	9.88	29.96	9.93
	46	20.91	7.09	24.69	8.30	28.46	9.31	28.41	10.12	28.61	10.18	28.65	10.21	28.76	10.21
	48	20.91	7.33	24.69	8.59	28.46	9.64	28.21	10.48	28.32	10.53	28.36	10.65	28.16	10.67
	50	20.91	7.63	24.69	8.94	28.46	10.03	28.12	10.90	28.02	10.97	28.06	11.06	27.86	11.10
110%	10	20.57	3.09	24.28	3.62	27.99	4.06	29.70	4.41	32.34	4.46	34.61	4.50	35.99	4.55
	12	20.57	3.15	24.28	3.69	27.99	4.14	29.70	4.49	32.34	4.54	34.61	4.58	35.67	4.63
	14	20.57	3.20	24.28	3.75	27.99	4.21	29.70	4.57	32.34	4.62	34.30	4.67	35.35	4.71
	16	20.57	3.26	24.28	3.82	27.99	4.28	29.70	4.66	32.34	4.70	33.99	4.75	35.03	4.79
	18	20.57	3.31	24.28	3.88	27.99	4.36	29.70	4.74	32.34	4.78	33.68	4.83	34.72	4.88
	19	20.57	3.37	24.28	3.95	27.99	4.43	29.70	4.82	32.34	4.86	33.38	4.91	34.40	4.96
	21	20.57	3.43	24.28	4.01	27.99	4.50	29.70	4.90	32.34	4.94	33.07	4.99	34.08	5.04
	23	20.57	3.48	24.28	4.08	27.99	4.58	29.70	4.98	32.34	5.03	32.76	5.08	33.76	5.13
	25	20.57	3.60	24.28	4.21	27.99	4.73	29.70	5.14	32.03	5.19	32.45	5.24	33.44	5.29
	27	20.57	3.65	24.28	4.28	27.99	4.80	29.70	5.22	31.73	5.27	32.14	5.32	33.12	5.37
	29	20.57	4.49	24.28	5.27	27.99	5.91	29.70	6.42	31.43	6.49	31.83	6.55	32.80	6.61
	31	20.57	5.06	24.28	5.92	27.99	6.65	29.70	7.22	31.13	7.30	31.52	7.37	32.49	7.44
	33	20.57	5.34	24.28	6.25	27.99	7.01	29.70	7.62	30.52	7.70	31.21	7.78	32.17	7.85
	35	20.57	5.62	24.28	6.58	27.99	7.38	29.70	8.03	30.22	8.11	30.90	8.19	31.85	8.27
	37	20.57	5.86	24.28	6.87	27.99	7.71	29.11	8.38	29.62	8.42	29.98	8.46	30.57	8.50
	39	20.57	6.07	24.28	7.11	27.99	7.97	28.90	8.67	29.31	8.71	29.67	8.83	29.94	8.89
	41	20.57	6.31	24.28	7.40	27.99	8.30	28.81	9.02	29.01	9.08	29.36	9.17	29.62	9.24
	43	20.57	6.63	24.28	7.77	27.99	8.71	28.51	9.47	28.71	9.57	29.05	9.64	29.46	9.69
	46	20.57	6.92	24.28	8.10	27.99	9.09	27.94	9.88	28.13	9.93	28.18	9.97	28.28	9.97
	48	20.57	7.16	24.28	8.39	27.99	9.41	27.74	10.23	27.85	10.28	27.89	10.40	27.69	10.42
	50	20.57	7.45	24.28	8.73	27.99	9.79	27.66	10.65	27.56	10.71	27.60	10.80	27.40	10.83

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	19.39	2.93	22.89	3.43	26.39	3.85	28.00	4.18	30.48	4.22	32.63	4.26	33.93	4.31
	12	19.39	2.98	22.89	3.49	26.39	3.92	28.00	4.26	30.48	4.30	32.63	4.34	33.63	4.38
	14	19.39	3.03	22.89	3.55	26.39	3.99	28.00	4.33	30.48	4.38	32.34	4.42	33.33	4.46
	16	19.39	3.09	22.89	3.61	26.39	4.06	28.00	4.41	30.48	4.45	32.05	4.50	33.03	4.54
	18	19.39	3.14	22.89	3.68	26.39	4.13	28.00	4.48	30.48	4.53	31.76	4.57	32.73	4.62
	19	19.39	3.19	22.89	3.74	26.39	4.20	28.00	4.56	30.48	4.61	31.46	4.65	32.43	4.70
	21	19.39	3.25	22.89	3.80	26.39	4.27	28.00	4.64	30.48	4.68	31.17	4.73	32.13	4.78
	23	19.39	3.30	22.89	3.86	26.39	4.34	28.00	4.71	30.48	4.76	30.88	4.81	31.83	4.85
	25	19.39	3.40	22.89	3.99	26.39	4.47	28.00	4.86	30.20	4.91	30.59	4.96	31.53	5.01
	27	19.39	3.46	22.89	4.05	26.39	4.54	28.00	4.94	29.91	4.99	30.30	5.04	31.23	5.09
	29	19.39	4.26	22.89	4.99	26.39	5.59	28.00	6.08	29.63	6.14	30.01	6.20	30.93	6.26
	31	19.39	4.79	22.89	5.61	26.39	6.29	28.00	6.84	29.34	6.91	29.72	6.98	30.63	7.05
	33	19.39	5.05	22.89	5.92	26.39	6.64	28.00	7.22	28.77	7.29	29.43	7.36	30.33	7.44
	35	19.39	5.32	22.89	6.23	26.39	6.99	28.00	7.60	28.49	7.68	29.13	7.75	30.03	7.83
	37	19.39	5.55	22.89	6.50	26.39	7.30	27.44	7.93	27.92	7.97	28.26	8.01	28.82	8.05
	39	19.39	5.75	22.89	6.73	26.39	7.55	27.24	8.21	27.64	8.25	27.97	8.36	28.22	8.42
	41	19.39	5.98	22.89	7.00	26.39	7.86	27.16	8.54	27.35	8.60	27.68	8.68	27.92	8.75
	43	19.39	6.28	22.89	7.35	26.39	8.25	26.88	8.97	27.07	9.06	27.39	9.13	27.77	9.17
	46	19.39	6.55	22.89	7.67	26.39	8.61	26.34	9.36	26.52	9.41	26.56	9.44	26.66	9.44
	48	19.39	6.78	22.89	7.94	26.39	8.91	26.15	9.69	26.25	9.74	26.29	9.84	26.11	9.86
	50	19.39	7.06	22.89	8.27	26.39	9.27	26.07	10.08	25.98	10.14	26.02	10.23	25.83	10.26
90%	10	17.45	2.46	20.60	2.88	23.75	3.23	25.20	3.51	27.44	3.54	29.37	3.58	30.54	3.61
	12	17.45	2.50	20.60	2.93	23.75	3.29	25.20	3.57	27.44	3.61	29.37	3.64	30.27	3.68
	14	17.45	2.55	20.60	2.98	23.75	3.35	25.20	3.64	27.44	3.67	29.10	3.71	30.00	3.75
	16	17.45	2.59	20.60	3.03	23.75	3.40	25.20	3.70	27.44	3.74	28.84	3.77	29.73	3.81
	18	17.45	2.63	20.60	3.09	23.75	3.46	25.20	3.76	27.44	3.80	28.58	3.84	29.46	3.88
	19	17.45	2.68	20.60	3.14	23.75	3.52	25.20	3.83	27.44	3.87	28.32	3.90	29.19	3.94
	21	17.45	2.72	20.60	3.19	23.75	3.58	25.20	3.89	27.44	3.93	28.06	3.97	28.91	4.01
	23	17.45	2.77	20.60	3.24	23.75	3.64	25.20	3.96	27.44	3.99	27.79	4.03	28.64	4.07
	25	17.45	2.86	20.60	3.35	23.75	3.76	25.20	4.08	27.18	4.12	27.53	4.16	28.37	4.21
	27	17.45	2.90	20.60	3.40	23.75	3.81	25.20	4.15	26.92	4.19	27.27	4.23	28.10	4.27
	29	17.45	3.57	20.60	4.18	23.75	4.70	25.20	5.10	26.67	5.15	27.01	5.21	27.83	5.26
	31	17.45	4.02	20.60	4.71	23.75	5.28	25.20	5.74	26.41	5.80	26.75	5.86	27.56	5.91
	33	17.45	4.24	20.60	4.97	23.75	5.58	25.20	6.06	25.90	6.12	26.48	6.18	27.29	6.24
	35	17.45	4.47	20.60	5.23	23.75	5.87	25.20	6.38	25.64	6.44	26.22	6.51	27.02	6.57
	37	17.45	4.66	20.60	5.46	23.75	6.12	24.70	6.66	25.13	6.69	25.43	6.73	25.94	6.76
	39	17.45	4.82	20.60	5.65	23.75	6.34	24.52	6.89	24.87	6.93	25.17	7.01	25.40	7.06
	41	17.45	5.02	20.60	5.88	23.75	6.60	24.44	7.17	24.62	7.22	24.91	7.29	25.13	7.35
	43	17.45	5.27	20.60	6.17	23.75	6.93	24.19	7.53	24.36	7.60	24.65	7.67	25.00	7.70
	46	17.45	5.50	20.60	6.44	23.75	7.23	23.71	7.86	23.87	7.90	23.91	7.92	24.00	7.92
	48	17.45	5.69	20.60	6.67	23.75	7.48	23.54	8.13	23.63	8.17	23.66	8.26	23.50	8.28
	50	17.45	5.92	20.60	6.94	23.75	7.78	23.47	8.46	23.38	8.52	23.41	8.59	23.25	8.61
80%	10	15.51	2.01	18.31	2.36	21.11	2.65	22.40	2.88	24.39	2.90	26.10	2.93	27.14	2.96
	12	15.51	2.05	18.31	2.40	21.11	2.69	22.40	2.93	24.39	2.96	26.10	2.99	26.90	3.02
	14	15.51	2.09	18.31	2.44	21.11	2.74	22.40	2.98	24.39	3.01	25.87	3.04	26.66	3.07
	16	15.51	2.12	18.31	2.49	21.11	2.79	22.40	3.03	24.39	3.06	25.64	3.09	26.42	3.12
	18	15.51	2.16	18.31	2.53	21.11	2.84	22.40	3.08	24.39	3.12	25.40	3.15	26.18	3.18
	19	15.51	2.20	18.31	2.57	21.11	2.89	22.40	3.14	24.39	3.17	25.17	3.20	25.94	3.23
	21	15.51	2.23	18.31	2.61	21.11	2.93	22.40	3.19	24.39	3.22	24.94	3.25	25.70	3.28
	23	15.51	2.27	18.31	2.66	21.11	2.98	22.40	3.24	24.39	3.27	24.71	3.31	25.46	3.34
	25	15.51	2.34	18.31	2.74	21.11	3.08	22.40	3.35	24.16	3.38	24.47	3.41	25.22	3.45
	27	15.51	2.38	18.31	2.79	21.11	3.13	22.40	3.40	23.93	3.43	24.24	3.47	24.98	3.50
	29	15.51	2.93	18.31	3.43	21.11	3.85	22.40	4.18	23.70	4.22	24.01	4.27	24.74	4.31
	31	15.51	3.29	18.31	3.86	21.11	4.33	22.40	4.71	23.48	4.75	23.77	4.80	24.50	4.85
	33	15.51	3.48	18.31	4.07	21.11	4.57	22.40	4.97	23.02	5.02	23.54	5.07	24.26	5.12
	35	15.51	3.66	18.31	4.29	21.11	4.81	22.40	5.23	22.79	5.28	23.31	5.33	24.02	5.38
	37	15.51	3.82	18.31	4.47	21.11	5.02	21.95	5.46	22.34	5.48	22.61	5.51	23.06	5.54
	39	15.51	3.95	18.31	4.63	21.11	5.19	21.80	5.65	22.11	5.68	22.37	5.75	22.58	5.79
	41	15.51	4.11	18.31	4.82	21.11	5.41	21.73	5.88	21.88	5.91	22.14	5.97	22.34	6.02
	43	15.51	4.32	18.31	5.06	21.11	5.68	21.50	6.17	21.65	6.23	21.91	6.28	22.22	6.31
	46	15.51	4.51	18.31	5.28	21.11	5.92	21.07	6.44	21.22	6.47	21.25	6.49	21.33	6.49
	48	15.51	4.66	18.31	5.46	21.11	6.13	20.92	6.66	21.00	6.70	21.03	6.77	20.89	6.78
	50	15.51	4.85	18.31	5.69	21.11	6.38	20.86	6.93	20.79	6.98	20.81	7.04	20.66	7.06

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	13.57	1.60	16.02	1.87	18.47	2.10	19.60	2.29	21.34	2.31	22.84	2.33	23.75	2.35
	12	13.57	1.63	16.02	1.91	18.47	2.14	19.60	2.33	21.34	2.35	22.84	2.37	23.54	2.40
	14	13.57	1.66	16.02	1.94	18.47	2.18	19.60	2.37	21.34	2.39	22.64	2.42	23.33	2.44
	16	13.57	1.69	16.02	1.98	18.47	2.22	19.60	2.41	21.34	2.44	22.43	2.46	23.12	2.48
	18	13.57	1.72	16.02	2.01	18.47	2.26	19.60	2.45	21.34	2.48	22.23	2.50	22.91	2.53
	19	13.57	1.75	16.02	2.05	18.47	2.29	19.60	2.49	21.34	2.52	22.03	2.54	22.70	2.57
	21	13.57	1.78	16.02	2.08	18.47	2.33	19.60	2.54	21.34	2.56	21.82	2.59	22.49	2.61
	23	13.57	1.80	16.02	2.11	18.47	2.37	19.60	2.58	21.34	2.60	21.62	2.63	22.28	2.65
	25	13.57	1.86	16.02	2.18	18.47	2.45	19.60	2.66	21.14	2.69	21.41	2.71	22.07	2.74
	27	13.57	1.89	16.02	2.22	18.47	2.49	19.60	2.70	20.94	2.73	21.21	2.76	21.86	2.78
	29	13.57	2.33	16.02	2.73	18.47	3.06	19.60	3.33	20.74	3.36	21.01	3.39	21.65	3.43
	31	13.57	2.62	16.02	3.07	18.47	3.44	19.60	3.74	20.54	3.78	20.80	3.82	21.44	3.85
	33	13.57	2.76	16.02	3.24	18.47	3.63	19.60	3.95	20.14	3.99	20.60	4.03	21.23	4.07
	35	13.57	2.91	16.02	3.41	18.47	3.82	19.60	4.16	19.94	4.20	20.39	4.24	21.02	4.28
	37	13.57	3.04	16.02	3.56	18.47	3.99	19.21	4.34	19.54	4.36	19.78	4.38	20.18	4.40
	39	13.57	3.14	16.02	3.68	18.47	4.13	19.07	4.49	19.34	4.51	19.58	4.57	19.76	4.60
	41	13.57	3.27	16.02	3.83	18.47	4.30	19.01	4.67	19.15	4.70	19.37	4.75	19.55	4.79
	43	13.57	3.43	16.02	4.02	18.47	4.51	18.82	4.91	18.95	4.95	19.17	4.99	19.44	5.02
	46	13.57	3.58	16.02	4.20	18.47	4.71	18.44	5.12	18.57	5.15	18.60	5.16	18.66	5.16
	48	13.57	3.71	16.02	4.34	18.47	4.87	18.31	5.30	18.38	5.33	18.40	5.38	18.28	5.39
	50	13.57	3.86	16.02	4.52	18.47	5.07	18.25	5.51	18.19	5.55	18.21	5.59	18.08	5.61
60%	10	11.63	1.21	13.73	1.42	15.83	1.60	16.80	1.74	18.29	1.75	19.58	1.77	20.36	1.79
	12	11.63	1.24	13.73	1.45	15.83	1.63	16.80	1.77	18.29	1.78	19.58	1.80	20.18	1.82
	14	11.63	1.26	13.73	1.47	15.83	1.65	16.80	1.80	18.29	1.82	19.40	1.83	20.00	1.85
	16	11.63	1.28	13.73	1.50	15.83	1.68	16.80	1.83	18.29	1.85	19.23	1.87	19.82	1.88
	18	11.63	1.30	13.73	1.53	15.83	1.71	16.80	1.86	18.29	1.88	19.05	1.90	19.64	1.92
	19	11.63	1.33	13.73	1.55	15.83	1.74	16.80	1.89	18.29	1.91	18.88	1.93	19.46	1.95
	21	11.63	1.35	13.73	1.58	15.83	1.77	16.80	1.92	18.29	1.94	18.70	1.96	19.28	1.98
	23	11.63	1.37	13.73	1.60	15.83	1.80	16.80	1.96	18.29	1.98	18.53	2.00	19.10	2.01
	25	11.63	1.41	13.73	1.66	15.83	1.86	16.80	2.02	18.12	2.04	18.35	2.06	18.92	2.08
	27	11.63	1.44	13.73	1.68	15.83	1.89	16.80	2.05	17.95	2.07	18.18	2.09	18.74	2.11
	29	11.63	1.77	13.73	2.07	15.83	2.32	16.80	2.52	17.78	2.55	18.00	2.57	18.56	2.60
	31	11.63	1.99	13.73	2.33	15.83	2.61	16.80	2.84	17.61	2.87	17.83	2.90	18.38	2.92
	33	11.63	2.10	13.73	2.46	15.83	2.76	16.80	3.00	17.26	3.03	17.66	3.06	18.20	3.09
	35	11.63	2.21	13.73	2.59	15.83	2.90	16.80	3.16	17.09	3.19	17.48	3.22	18.02	3.25
	37	11.63	2.30	13.73	2.70	15.83	3.03	16.46	3.29	16.75	3.31	16.96	3.33	17.29	3.34
	39	11.63	2.39	13.73	2.79	15.83	3.13	16.35	3.41	16.58	3.43	16.78	3.47	16.93	3.49
	41	11.63	2.48	13.73	2.91	15.83	3.26	16.30	3.55	16.41	3.57	16.61	3.60	16.75	3.63
	43	11.63	2.61	13.73	3.05	15.83	3.43	16.13	3.72	16.24	3.76	16.43	3.79	16.66	3.81
	46	11.63	2.72	13.73	3.19	15.83	3.57	15.81	3.89	15.91	3.91	15.94	3.92	16.00	3.92
	48	11.63	2.81	13.73	3.30	15.83	3.70	15.69	4.02	15.75	4.04	15.77	4.09	15.66	4.09
	50	11.63	2.93	13.73	3.43	15.83	3.85	15.64	4.18	15.59	4.21	15.61	4.25	15.50	4.26
50%	10	9.70	0.86	11.45	1.00	13.20	1.12	14.00	1.22	15.24	1.23	16.32	1.25	16.96	1.26
	12	9.70	0.87	11.45	1.02	13.20	1.14	14.00	1.24	15.24	1.26	16.32	1.27	16.81	1.28
	14	9.70	0.89	11.45	1.04	13.20	1.17	14.00	1.27	15.24	1.28	16.17	1.29	16.66	1.30
	16	9.70	0.90	11.45	1.06	13.20	1.19	14.00	1.29	15.24	1.30	16.02	1.31	16.51	1.33
	18	9.70	0.92	11.45	1.08	13.20	1.21	14.00	1.31	15.24	1.32	15.88	1.34	16.36	1.35
	19	9.70	0.93	11.45	1.09	13.20	1.23	14.00	1.33	15.24	1.35	15.73	1.36	16.21	1.37
	21	9.70	0.95	11.45	1.11	13.20	1.25	14.00	1.36	15.24	1.37	15.59	1.38	16.06	1.40
	23	9.70	0.96	11.45	1.13	13.20	1.27	14.00	1.38	15.24	1.39	15.44	1.41	15.91	1.42
	25	9.70	1.00	11.45	1.17	13.20	1.31	14.00	1.42	15.10	1.44	15.30	1.45	15.76	1.47
	27	9.70	1.01	11.45	1.18	13.20	1.33	14.00	1.44	14.96	1.46	15.15	1.47	15.61	1.49
	29	9.70	1.24	11.45	1.46	13.20	1.64	14.00	1.78	14.81	1.80	15.00	1.81	15.46	1.83
	31	9.70	1.40	11.45	1.64	13.20	1.84	14.00	2.00	14.67	2.02	14.86	2.04	15.31	2.06
	33	9.70	1.48	11.45	1.73	13.20	1.94	14.00	2.11	14.39	2.13	14.71	2.15	15.16	2.17
	35	9.70	1.56	11.45	1.82	13.20	2.04	14.00	2.22	14.25	2.24	14.57	2.27	15.01	2.29
	37	9.70	1.62	11.45	1.90	13.20	2.13	13.72	2.32	13.96	2.33	14.13	2.34	14.41	2.35
	39	9.70	1.68	11.45	1.97	13.20	2.21	13.62	2.40	13.82	2.41	13.98	2.44	14.11	2.46
	41	9.70	1.75	11.45	2.05	13.20	2.30	13.58	2.50	13.68	2.51	13.84	2.54	13.96	2.56
	43	9.70	1.84	11.45	2.15	13.20	2.41	13.44	2.62	13.53	2.65	13.69	2.67	13.89	2.68
	46	9.70	1.92	11.45	2.24	13.20	2.52	13.17	2.74	13.26	2.75	13.28	2.76	13.33	2.76
	48	9.70	1.98	11.45	2.32	13.20	2.61	13.08	2.83	13.13	2.85	13.15	2.88	13.05	2.88
	50	9.70	2.06	11.45	2.42	13.20	2.71	13.04	2.95	12.99	2.97	13.01	2.99	12.91	3.00

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	7.76	0.68	9.16	0.79	10.56	0.89	11.20	0.97	12.19	0.98	13.05	0.99	13.57	1.00
	12	7.76	0.69	9.16	0.81	10.56	0.91	11.20	0.99	12.19	1.00	13.05	1.01	13.45	1.02
	14	7.76	0.70	9.16	0.82	10.56	0.92	11.20	1.00	12.19	1.01	12.94	1.02	13.33	1.03
	16	7.76	0.72	9.16	0.84	10.56	0.94	11.20	1.02	12.19	1.03	12.82	1.04	13.21	1.05
	18	7.76	0.73	9.16	0.85	10.56	0.96	11.20	1.04	12.19	1.05	12.70	1.06	13.09	1.07
	19	7.76	0.74	9.16	0.87	10.56	0.97	11.20	1.06	12.19	1.07	12.59	1.08	12.97	1.09
	21	7.76	0.75	9.16	0.88	10.56	0.99	11.20	1.07	12.19	1.09	12.47	1.10	12.85	1.11
	23	7.76	0.76	9.16	0.90	10.56	1.00	11.20	1.09	12.19	1.10	12.35	1.11	12.73	1.13
	25	7.76	0.79	9.16	0.92	10.56	1.04	11.20	1.13	12.08	1.14	12.24	1.15	12.61	1.16
	27	7.76	0.80	9.16	0.94	10.56	1.05	11.20	1.15	11.97	1.16	12.12	1.17	12.49	1.18
	29	7.76	0.99	9.16	1.16	10.56	1.30	11.20	1.41	11.85	1.42	12.00	1.44	12.37	1.45
	31	7.76	1.11	9.16	1.30	10.56	1.46	11.20	1.59	11.74	1.60	11.89	1.62	12.25	1.63
	33	7.76	1.17	9.16	1.37	10.56	1.54	11.20	1.67	11.51	1.69	11.77	1.71	12.13	1.72
	35	7.76	1.23	9.16	1.44	10.56	1.62	11.20	1.76	11.40	1.78	11.65	1.80	12.01	1.81
	37	7.76	1.29	9.16	1.51	10.56	1.69	10.98	1.84	11.17	1.85	11.30	1.86	11.53	1.87
	39	7.76	1.33	9.16	1.56	10.56	1.75	10.90	1.90	11.05	1.91	11.19	1.94	11.29	1.95
	41	7.76	1.39	9.16	1.62	10.56	1.82	10.86	1.98	10.94	1.99	11.07	2.01	11.17	2.03
	43	7.76	1.46	9.16	1.70	10.56	1.91	10.75	2.08	10.83	2.10	10.95	2.12	11.11	2.13
	46	7.76	1.52	9.16	1.78	10.56	2.00	10.54	2.17	10.61	2.18	10.63	2.19	10.67	2.19
	48	7.76	1.57	9.16	1.84	10.56	2.07	10.46	2.25	10.50	2.26	10.52	2.28	10.44	2.29
	50	7.76	1.64	9.16	1.92	10.56	2.15	10.43	2.34	10.39	2.35	10.41	2.37	10.33	2.38
30%	10	5.82	0.62	6.87	0.73	7.92	0.82	8.40	0.89	9.15	0.90	9.79	0.90	10.18	0.91
	12	5.82	0.63	6.87	0.74	7.92	0.83	8.40	0.90	9.15	0.91	9.79	0.92	10.09	0.93
	14	5.82	0.64	6.87	0.75	7.92	0.85	8.40	0.92	9.15	0.93	9.70	0.94	10.00	0.95
	16	5.82	0.65	6.87	0.77	7.92	0.86	8.40	0.94	9.15	0.94	9.61	0.95	9.91	0.96
	18	5.82	0.67	6.87	0.78	7.92	0.88	8.40	0.95	9.15	0.96	9.53	0.97	9.82	0.98
	19	5.82	0.68	6.87	0.79	7.92	0.89	8.40	0.97	9.15	0.98	9.44	0.99	9.73	1.00
	21	5.82	0.69	6.87	0.81	7.92	0.90	8.40	0.98	9.15	0.99	9.35	1.00	9.64	1.01
	23	5.82	0.70	6.87	0.82	7.92	0.92	8.40	1.00	9.15	1.01	9.26	1.02	9.55	1.03
	25	5.82	0.72	6.87	0.85	7.92	0.95	8.40	1.03	9.06	1.04	9.18	1.05	9.46	1.06
	27	5.82	0.73	6.87	0.86	7.92	0.96	8.40	1.05	8.97	1.06	9.09	1.07	9.37	1.08
	29	5.82	0.90	6.87	1.06	7.92	1.19	8.40	1.29	8.89	1.30	9.00	1.32	9.28	1.33
	31	5.82	1.02	6.87	1.19	7.92	1.33	8.40	1.45	8.80	1.47	8.92	1.48	9.19	1.49
	33	5.82	1.07	6.87	1.26	7.92	1.41	8.40	1.53	8.63	1.55	8.83	1.56	9.10	1.58
	35	5.82	1.13	6.87	1.32	7.92	1.48	8.40	1.61	8.55	1.63	8.74	1.64	9.01	1.66
	37	5.82	1.18	6.87	1.38	7.92	1.55	8.23	1.68	8.38	1.69	8.48	1.70	8.65	1.71
	39	5.82	1.22	6.87	1.43	7.92	1.60	8.17	1.74	8.29	1.75	8.39	1.77	8.47	1.79
	41	5.82	1.27	6.87	1.49	7.92	1.67	8.15	1.81	8.21	1.82	8.30	1.84	8.38	1.86
	43	5.82	1.33	6.87	1.56	7.92	1.75	8.06	1.90	8.12	1.92	8.22	1.94	8.33	1.95
	46	5.82	1.39	6.87	1.63	7.92	1.83	7.90	1.99	7.96	2.00	7.97	2.00	8.00	2.00
	48	5.82	1.44	6.87	1.68	7.92	1.89	7.85	2.05	7.88	2.07	7.89	2.09	7.83	2.09
	50	5.82	1.50	6.87	1.75	7.92	1.97	7.82	2.14	7.79	2.15	7.80	2.17	7.75	2.18
20%	10	3.88	0.36	4.58	0.42	5.28	0.47	5.60	0.51	6.10	0.52	6.53	0.52	6.79	0.53
	12	3.88	0.37	4.58	0.43	5.28	0.48	5.60	0.52	6.10	0.53	6.53	0.53	6.73	0.54
	14	3.88	0.37	4.58	0.44	5.28	0.49	5.60	0.53	6.10	0.54	6.47	0.54	6.67	0.55
	16	3.88	0.38	4.58	0.44	5.28	0.50	5.60	0.54	6.10	0.55	6.41	0.55	6.61	0.56
	18	3.88	0.39	4.58	0.45	5.28	0.51	5.60	0.55	6.10	0.56	6.35	0.56	6.55	0.57
	19	3.88	0.39	4.58	0.46	5.28	0.51	5.60	0.56	6.10	0.57	6.29	0.57	6.49	0.58
	21	3.88	0.40	4.58	0.47	5.28	0.52	5.60	0.57	6.10	0.57	6.23	0.58	6.43	0.59
	23	3.88	0.40	4.58	0.47	5.28	0.53	5.60	0.58	6.10	0.58	6.18	0.59	6.37	0.60
	25	3.88	0.42	4.58	0.49	5.28	0.55	5.60	0.60	6.04	0.60	6.12	0.61	6.31	0.61
	27	3.88	0.42	4.58	0.50	5.28	0.56	5.60	0.61	5.98	0.61	6.06	0.62	6.25	0.62
	29	3.88	0.52	4.58	0.61	5.28	0.69	5.60	0.75	5.93	0.75	6.00	0.76	6.19	0.77
	31	3.88	0.59	4.58	0.69	5.28	0.77	5.60	0.84	5.87	0.85	5.94	0.86	6.13	0.86
	33	3.88	0.62	4.58	0.73	5.28	0.82	5.60	0.89	5.75	0.89	5.89	0.90	6.07	0.91
	35	3.88	0.65	4.58	0.76	5.28	0.86	5.60	0.93	5.70	0.94	5.83	0.95	6.01	0.96
	37	3.88	0.68	4.58	0.80	5.28	0.90	5.49	0.97	5.58	0.98	5.65	0.98	5.76	0.99
	39	3.88	0.71	4.58	0.83	5.28	0.93	5.45	1.01	5.53	1.01	5.59	1.03	5.64	1.03
	41	3.88	0.73	4.58	0.86	5.28	0.96	5.43	1.05	5.47	1.06	5.54	1.07	5.58	1.07
	43	3.88	0.77	4.58	0.90	5.28	1.01	5.38	1.10	5.41	1.11	5.48	1.12	5.55	1.13
	46	3.88	0.80	4.58	0.94	5.28	1.06	5.27	1.15	5.30	1.15	5.31	1.16	5.33	1.16
	48	3.88	0.83	4.58	0.97	5.28	1.09	5.23	1.19	5.25	1.19	5.26	1.21	5.22	1.21
	50	3.88	0.87	4.58	1.01	5.28	1.14	5.21	1.24	5.20	1.25	5.20	1.26	5.17	1.26

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR120ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	25.44	4.00	30.03	4.68	34.62	5.25	36.73	5.71	39.99	5.76	42.80	5.82	44.51	5.88
	12	25.44	4.07	30.03	4.77	34.62	5.35	36.73	5.81	39.99	5.87	42.80	5.93	44.11	5.99
	14	25.44	4.14	30.03	4.85	34.62	5.44	36.73	5.92	39.99	5.97	42.42	6.03	43.72	6.09
	16	25.44	4.21	30.03	4.94	34.62	5.54	36.73	6.02	39.99	6.08	42.04	6.14	43.33	6.20
	18	25.44	4.29	30.03	5.02	34.62	5.63	36.73	6.12	39.99	6.18	41.66	6.25	42.93	6.31
	19	25.44	4.36	30.03	5.11	33.58	5.73	36.73	6.23	39.99	6.29	41.28	6.35	42.54	6.41
	21	25.44	4.43	30.03	5.19	34.62	5.82	36.73	6.33	39.99	6.39	40.89	6.46	42.14	6.52
	23	25.44	4.50	30.03	5.28	34.62	5.92	36.73	6.43	39.99	6.50	40.51	6.56	41.75	6.63
	25	25.44	4.65	30.03	5.45	34.62	6.11	36.73	6.64	39.62	6.71	40.13	6.77	41.36	6.84
	27	25.44	4.72	30.03	5.53	34.62	6.21	36.73	6.75	39.24	6.81	39.75	6.88	40.96	6.95
	29	25.44	5.81	30.03	6.81	34.62	7.64	36.73	8.30	38.87	8.39	39.36	8.47	40.57	8.55
	31	25.44	6.54	30.03	7.66	34.62	8.59	36.73	9.34	38.49	9.43	38.98	9.53	40.18	9.62
	33	25.44	6.90	30.03	8.08	34.62	9.07	36.73	9.86	37.75	9.96	38.60	10.06	39.78	10.15
	35	25.44	7.26	30.03	8.51	34.62	9.55	36.73	10.38	37.37	10.48	38.22	10.59	39.39	10.69
	37	25.44	7.58	30.03	8.88	34.62	9.96	36.00	10.83	36.63	10.89	37.07	10.94	37.81	11.00
	39	25.44	7.85	30.03	9.19	34.62	10.31	35.74	11.21	36.25	11.27	36.69	11.41	37.02	11.49
	41	25.44	8.17	30.03	9.57	34.62	10.73	35.63	11.66	35.88	11.74	36.31	11.86	36.63	11.95
	43	25.44	8.57	30.03	10.04	34.62	11.27	35.26	12.25	35.50	12.37	35.92	12.47	36.43	12.53
	46	25.44	8.95	30.03	10.48	34.62	11.76	34.56	12.78	34.79	12.85	34.85	12.89	34.98	12.89
	48	25.44	9.26	30.03	10.85	34.62	12.17	34.31	13.23	34.44	13.30	34.49	13.44	34.25	13.47
	50	25.44	9.64	30.03	11.29	34.62	12.66	34.20	13.76	34.08	13.85	34.13	13.97	33.88	14.01
120%	10	25.02	3.96	29.54	4.64	34.05	5.20	36.13	5.65	39.34	5.71	42.11	5.77	43.78	5.82
	12	25.02	4.03	29.54	4.72	34.05	5.29	36.13	5.76	39.34	5.81	42.11	5.87	43.40	5.93
	14	25.02	4.10	29.54	4.80	34.05	5.39	36.13	5.86	39.34	5.92	41.73	5.98	43.01	6.03
	16	25.02	4.17	29.54	4.89	34.05	5.48	36.13	5.96	39.34	6.02	41.36	6.08	42.62	6.14
	18	25.02	4.24	29.54	4.97	34.05	5.58	36.13	6.06	39.34	6.12	40.98	6.18	42.23	6.25
	19	25.02	4.32	29.54	5.06	34.05	5.67	36.13	6.17	39.34	6.23	40.60	6.29	41.85	6.35
	21	25.02	4.39	29.54	5.14	34.05	5.77	36.13	6.27	39.34	6.33	40.23	6.39	41.46	6.46
	23	25.02	4.46	29.54	5.22	34.05	5.86	36.13	6.37	39.34	6.44	39.85	6.50	41.07	6.56
	25	25.02	4.60	29.54	5.39	34.05	6.05	36.13	6.58	38.97	6.64	39.48	6.71	40.68	6.77
	27	25.02	4.68	29.54	5.48	34.05	6.15	36.13	6.68	38.60	6.75	39.10	6.81	40.30	6.88
	29	25.02	5.76	29.54	6.74	34.05	7.56	36.13	8.22	38.24	8.30	38.72	8.39	39.91	8.47
	31	25.02	6.47	29.54	7.58	34.05	8.51	36.13	9.25	37.87	9.34	38.35	9.43	39.52	9.53
	33	25.02	6.83	29.54	8.01	34.05	8.98	36.13	9.76	37.13	9.86	37.97	9.96	39.13	10.06
	35	25.02	7.19	29.54	8.43	34.05	9.46	36.13	10.28	36.76	10.38	37.60	10.48	38.75	10.59
	37	25.02	7.51	29.54	8.79	34.05	9.87	35.41	10.73	36.03	10.78	36.47	10.84	37.20	10.89
	39	25.02	7.77	29.54	9.10	34.05	10.21	35.16	11.10	35.66	11.16	36.09	11.30	36.42	11.38
	41	25.02	8.09	29.54	9.47	34.05	10.63	35.05	11.55	35.29	11.63	35.72	11.74	36.03	11.83
	43	25.02	8.49	29.54	9.94	34.05	11.16	34.69	12.13	34.93	12.25	35.34	12.35	35.84	12.41
	46	25.02	8.86	29.54	10.38	34.05	11.64	33.99	12.66	34.23	12.72	34.28	12.76	34.41	12.76
	48	25.02	9.17	29.54	10.74	34.05	12.05	33.75	13.10	33.88	13.17	33.93	13.31	33.69	13.34
	50	25.02	9.54	29.54	11.18	34.05	12.54	33.65	13.63	33.53	13.72	33.57	13.83	33.33	13.87
110%	10	24.61	3.86	29.05	4.52	33.49	5.08	35.53	5.52	38.69	5.57	41.41	5.63	43.06	5.68
	12	24.61	3.93	29.05	4.61	33.49	5.17	35.53	5.62	38.69	5.67	41.41	5.73	42.68	5.79
	14	24.61	4.00	29.05	4.69	33.49	5.26	35.53	5.72	38.69	5.78	41.04	5.83	42.30	5.89
	16	24.61	4.07	29.05	4.77	33.49	5.35	35.53	5.82	38.69	5.88	40.67	5.94	41.92	5.99
	18	24.61	4.14	29.05	4.85	33.49	5.45	35.53	5.92	38.69	5.98	40.30	6.04	41.53	6.10
	19	24.61	4.21	29.05	4.94	33.49	5.54	35.53	6.02	38.69	6.08	39.93	6.14	41.15	6.20
	21	24.61	4.28	29.05	5.02	33.49	5.63	35.53	6.12	38.69	6.18	39.56	6.24	40.77	6.30
	23	24.61	4.35	29.05	5.10	33.49	5.72	35.53	6.22	38.69	6.28	39.19	6.34	40.39	6.41
	25	24.61	4.49	29.05	5.27	33.49	5.91	35.53	6.42	38.33	6.49	38.82	6.55	40.01	6.61
	27	24.61	4.56	29.05	5.35	33.49	6.00	35.53	6.52	37.96	6.59	38.45	6.65	39.63	6.72
	29	24.61	5.62	29.05	6.58	33.49	7.38	35.53	8.03	37.60	8.11	38.08	8.19	39.25	8.27
	31	24.61	6.32	29.05	7.40	33.49	8.31	35.53	9.03	37.24	9.12	37.71	9.21	38.87	9.30
	33	24.61	6.67	29.05	7.82	33.49	8.77	35.53	9.53	36.52	9.63	37.34	9.72	38.49	9.82
	35	24.61	7.02	29.05	8.23	33.49	9.23	35.53	10.03	36.16	10.13	36.97	10.23	38.10	10.33
	37	24.61	7.33	29.05	8.59	33.49	9.63	34.82	10.47	35.43	10.52	35.86	10.58	36.58	10.63
	39	24.61	7.58	29.05	8.88	33.49	9.97	34.57	10.84	35.07	10.89	35.49	11.03	35.82	11.11
	41	24.61	7.89	29.05	9.25	33.49	10.37	34.47	11.28	34.71	11.35	35.12	11.46	35.44	11.55
	43	24.61	8.29	29.05	9.71	33.49	10.89	34.11	11.84	34.35	11.96	34.75	12.05	35.25	12.11
	46	24.61	8.65	29.05	10.13	33.49	11.37	33.43	12.35	33.66	12.42	33.71	12.46	33.84	12.46
	48	24.61	8.95	29.05	10.48	33.49	11.76	33.19	12.79	33.32	12.85	33.36	13.00	33.13	13.02
	50	24.61	9.31	29.05	10.91	33.49	12.24	33.09	13.31	32.97	13.39	33.02	13.50	32.78	13.54

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	23.20	3.66	27.39	4.28	31.57	4.81	33.50	5.23	36.47	5.28	39.04	5.33	40.59	5.38
	12	23.20	3.72	27.39	4.36	31.57	4.89	33.50	5.32	36.47	5.37	39.04	5.43	40.23	5.48
	14	23.20	3.79	27.39	4.44	31.57	4.98	33.50	5.42	36.47	5.47	38.69	5.52	39.88	5.58
	16	23.20	3.86	27.39	4.52	31.57	5.07	33.50	5.51	36.47	5.57	38.34	5.62	39.52	5.68
	18	23.20	3.92	27.39	4.60	31.57	5.16	33.50	5.61	36.47	5.66	37.99	5.72	39.16	5.77
	19	23.20	3.99	27.39	4.67	31.57	5.24	33.50	5.70	36.47	5.76	37.65	5.81	38.80	5.87
	21	23.20	4.06	27.39	4.75	31.57	5.33	33.50	5.80	36.47	5.85	37.30	5.91	38.44	5.97
	23	23.20	4.12	27.39	4.83	31.57	5.42	33.50	5.89	36.47	5.95	36.95	6.01	38.08	6.07
	25	23.20	4.26	27.39	4.99	31.57	5.59	33.50	6.08	36.13	6.14	36.60	6.20	37.72	6.26
	27	23.20	4.32	27.39	5.06	31.57	5.68	33.50	6.18	35.79	6.24	36.25	6.30	37.36	6.36
	29	23.20	5.32	27.39	6.23	31.57	6.99	33.50	7.60	35.45	7.68	35.90	7.75	37.00	7.83
	31	23.20	5.99	27.39	7.01	31.57	7.87	33.50	8.55	35.11	8.64	35.55	8.72	36.64	8.81
	33	23.20	6.32	27.39	7.40	31.57	8.30	33.50	9.03	34.43	9.12	35.21	9.21	36.28	9.30
	35	23.20	6.65	27.39	7.79	31.57	8.74	33.50	9.50	34.09	9.60	34.86	9.69	35.92	9.79
	37	23.20	6.94	27.39	8.13	31.57	9.12	32.83	9.91	33.40	9.97	33.81	10.02	34.49	10.06
	39	23.20	7.18	27.39	8.41	31.57	9.44	32.60	10.26	33.06	10.31	33.46	10.45	33.77	10.52
	41	23.20	7.47	27.39	8.76	31.57	9.82	32.50	10.68	32.72	10.75	33.11	10.85	33.41	10.94
	43	23.20	7.85	27.39	9.19	31.57	10.31	32.16	11.21	32.38	11.32	32.77	11.41	33.23	11.47
	46	23.20	8.19	27.39	9.59	31.57	10.76	31.52	11.70	31.73	11.76	31.78	11.80	33.10	11.80
	48	23.20	8.47	27.39	9.93	31.57	11.14	31.29	12.11	31.41	12.17	31.45	12.31	31.24	12.33
	50	23.20	8.82	27.39	10.33	31.57	11.59	31.20	12.60	31.09	12.68	31.13	12.78	30.90	12.82
90%	10	20.88	3.07	24.65	3.60	28.42	4.03	30.15	4.39	32.83	4.43	35.14	4.47	36.53	4.52
	12	20.88	3.13	24.65	3.66	28.42	4.11	30.15	4.47	32.83	4.51	35.14	4.55	36.21	4.60
	14	20.88	3.18	24.65	3.73	28.42	4.18	30.15	4.55	32.83	4.59	34.82	4.64	35.89	4.68
	16	20.88	3.24	24.65	3.79	28.42	4.26	30.15	4.63	32.83	4.67	34.51	4.72	35.56	4.76
	18	20.88	3.29	24.65	3.86	28.42	4.33	30.15	4.70	32.83	4.75	34.19	4.80	35.24	4.85
	19	20.88	3.35	24.65	3.92	28.42	4.40	30.15	4.78	32.83	4.83	33.88	4.88	34.92	4.93
	21	20.88	3.41	24.65	3.99	28.42	4.48	30.15	4.86	32.83	4.91	33.57	4.96	34.59	5.01
	23	20.88	3.46	24.65	4.05	28.42	4.55	30.15	4.94	32.83	4.99	33.25	5.04	34.27	5.09
	25	20.88	3.57	24.65	4.18	28.42	4.70	30.15	5.10	32.52	5.15	32.94	5.21	33.95	5.26
	27	20.88	3.63	24.65	4.25	28.42	4.77	30.15	5.18	32.21	5.24	32.63	5.29	33.62	5.34
	29	20.88	4.47	24.65	5.23	28.42	5.87	30.15	6.38	31.90	6.44	32.31	6.51	33.30	6.57
	31	20.88	5.02	24.65	5.88	28.42	6.60	30.15	7.18	31.60	7.25	32.00	7.32	32.98	7.39
	33	20.88	5.30	24.65	6.21	28.42	6.97	30.15	7.58	30.98	7.65	31.68	7.73	32.65	7.80
	35	20.88	5.58	24.65	6.54	28.42	7.34	30.15	7.97	30.68	8.05	31.37	8.13	32.33	8.21
	37	20.88	5.83	24.65	6.82	28.42	7.66	29.55	8.32	30.06	8.36	30.43	8.41	31.04	8.45
	39	20.88	6.03	24.65	7.06	28.42	7.92	29.34	8.61	29.76	8.66	30.12	8.77	30.39	8.83
	41	20.88	6.27	24.65	7.35	28.42	8.25	29.25	8.96	29.45	9.02	29.80	9.11	30.07	9.18
	43	20.88	6.59	24.65	7.72	28.42	8.66	28.94	9.41	29.14	9.50	29.49	9.58	29.91	9.63
	46	20.88	6.87	24.65	8.05	28.42	9.03	28.37	9.82	28.56	9.87	28.60	9.90	28.71	9.90
	48	20.88	7.11	24.65	8.33	28.42	9.35	28.16	10.16	28.27	10.22	28.31	10.33	28.11	10.35
	50	20.88	7.40	24.65	8.67	28.42	9.73	28.08	10.58	27.98	10.64	28.01	10.73	27.81	10.76
80%	10	18.56	2.52	21.91	2.95	25.26	3.31	26.80	3.59	29.18	3.63	31.23	3.67	32.48	3.70
	12	18.56	2.56	21.91	3.00	25.26	3.37	26.80	3.66	29.18	3.70	31.23	3.73	32.19	3.77
	14	18.56	2.61	21.91	3.05	25.26	3.43	26.80	3.72	29.18	3.76	30.95	3.80	31.90	3.84
	16	18.56	2.65	21.91	3.11	25.26	3.49	26.80	3.79	29.18	3.83	30.67	3.87	31.61	3.90
	18	18.56	2.70	21.91	3.16	25.26	3.55	26.80	3.86	29.18	3.89	30.40	3.93	31.33	3.97
	19	18.56	2.74	21.91	3.22	25.26	3.61	26.80	3.92	29.18	3.96	30.12	4.00	31.04	4.04
	21	18.56	2.79	21.91	3.27	25.26	3.67	26.80	3.99	29.18	4.03	29.84	4.07	30.75	4.11
	23	18.56	2.84	21.91	3.32	25.26	3.73	26.80	4.05	29.18	4.09	29.56	4.13	30.46	4.17
	25	18.56	2.93	21.91	3.43	25.26	3.85	26.80	4.18	28.91	4.22	29.28	4.27	30.18	4.31
	27	18.56	2.97	21.91	3.48	25.26	3.91	26.80	4.25	28.63	4.29	29.00	4.33	29.89	4.38
	29	18.56	3.66	21.91	4.29	25.26	4.81	26.80	5.23	28.36	5.28	28.72	5.33	29.60	5.38
	31	18.56	4.12	21.91	4.82	25.26	5.41	26.80	5.88	28.09	5.94	28.44	6.00	29.31	6.06
	33	18.56	4.35	21.91	5.09	25.26	5.71	26.80	6.21	27.54	6.27	28.16	6.33	29.03	6.39
	35	18.56	4.57	21.91	5.36	25.26	6.01	26.80	6.53	27.27	6.60	27.89	6.67	28.74	6.73
	37	18.56	4.77	21.91	5.59	25.26	6.27	26.26	6.82	26.72	6.85	27.05	6.89	27.59	6.92
	39	18.56	4.94	21.91	5.79	25.26	6.49	26.08	7.06	26.45	7.10	26.77	7.19	27.01	7.24
	41	18.56	5.14	21.91	6.02	25.26	6.76	26.00	7.35	26.18	7.39	26.49	7.47	26.73	7.53
	43	18.56	5.40	21.91	6.32	25.26	7.09	25.73	7.71	25.91	7.79	26.21	7.85	26.58	7.89
	46	18.56	5.63	21.91	6.60	25.26	7.40	25.21	8.05	25.39	8.09	25.43	8.12	25.52	8.11
	48	18.56	5.83	21.91	6.83	25.26	7.66	25.03	8.33	25.13	8.37	25.16	8.46	24.99	8.48
	50	18.56	6.07	21.91	7.11	25.26	7.97	24.96	8.67	24.87	8.72	24.90	8.79	24.72	8.82

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	16.24	2.00	19.17	2.34	22.10	2.63	23.45	2.86	25.53	2.89	27.33	2.92	28.42	2.94
	12	16.24	2.04	19.17	2.39	22.10	2.68	23.45	2.91	25.53	2.94	27.33	2.97	28.16	3.00
	14	16.24	2.07	19.17	2.43	22.10	2.72	23.45	2.96	25.53	2.99	27.08	3.02	27.91	3.05
	16	16.24	2.11	19.17	2.47	22.10	2.77	23.45	3.01	25.53	3.04	26.84	3.07	27.66	3.10
	18	16.24	2.15	19.17	2.51	22.10	2.82	23.45	3.07	25.53	3.10	26.60	3.13	27.41	3.16
	19	16.24	2.18	19.17	2.56	22.10	2.87	23.45	3.12	25.53	3.15	26.35	3.18	27.16	3.21
	21	16.24	2.22	19.17	2.60	22.10	2.92	23.45	3.17	25.53	3.20	26.11	3.23	26.91	3.26
	23	16.24	2.26	19.17	2.64	22.10	2.96	23.45	3.22	25.53	3.25	25.86	3.29	26.66	3.32
	25	16.24	2.33	19.17	2.73	22.10	3.06	23.45	3.33	25.29	3.36	25.62	3.39	26.40	3.43
	27	16.24	2.36	19.17	2.77	22.10	3.11	23.45	3.38	25.05	3.41	25.38	3.45	26.15	3.48
	29	16.24	2.91	19.17	3.41	22.10	3.82	23.45	4.16	24.81	4.20	25.13	4.24	25.90	4.28
	31	16.24	3.27	19.17	3.83	22.10	4.30	23.45	4.68	24.58	4.72	24.89	4.77	25.65	4.82
	33	16.24	3.46	19.17	4.05	22.10	4.54	23.45	4.94	24.10	4.99	24.40	5.04	25.40	5.08
	35	16.24	3.64	19.17	4.26	22.10	4.78	23.45	5.20	23.86	5.25	24.64	5.30	25.15	5.35
	37	16.24	3.80	19.17	4.45	22.10	4.99	22.98	5.42	23.38	5.45	23.67	5.48	24.14	5.51
	39	16.24	3.93	19.17	4.60	22.10	5.16	22.82	5.61	23.14	5.64	23.42	5.71	23.64	5.75
	41	16.24	4.09	19.17	4.79	22.10	5.37	22.75	5.84	22.91	5.88	23.18	5.94	23.39	5.98
	43	16.24	4.29	19.17	5.03	22.10	5.64	22.51	6.13	22.67	6.19	22.94	6.24	23.26	6.27
	46	16.24	4.48	19.17	5.25	22.10	5.89	22.06	6.40	22.21	6.43	22.25	6.45	22.33	6.45
	48	16.24	4.64	19.17	5.43	22.10	6.09	21.90	6.62	21.99	6.66	22.02	6.73	21.86	6.74
	50	16.24	4.82	19.17	5.65	22.10	6.34	21.84	6.89	21.76	6.94	21.79	6.99	21.63	7.01
60%	10	13.92	1.52	16.43	1.78	18.94	2.00	20.10	2.17	21.88	2.19	23.42	2.21	24.36	2.23
	12	13.92	1.55	16.43	1.81	18.94	2.03	20.10	2.21	21.88	2.23	23.42	2.25	24.14	2.27
	14	13.92	1.57	16.43	1.84	18.94	2.07	20.10	2.25	21.88	2.27	23.21	2.29	23.93	2.32
	16	13.92	1.60	16.43	1.88	18.94	2.10	20.10	2.29	21.88	2.31	23.01	2.33	23.71	2.36
	18	13.92	1.63	16.43	1.91	18.94	2.14	20.10	2.33	21.88	2.35	22.80	2.37	23.49	2.40
	19	13.92	1.66	16.43	1.94	18.94	2.18	20.10	2.37	21.88	2.39	22.59	2.41	23.28	2.44
	21	13.92	1.68	16.43	1.97	18.94	2.21	20.10	2.41	21.88	2.43	22.38	2.45	23.06	2.48
	23	13.92	1.71	16.43	2.01	18.94	2.25	20.10	2.45	21.88	2.47	22.17	2.49	22.85	2.52
	25	13.92	1.77	16.43	2.07	18.94	2.32	20.10	2.52	21.68	2.55	21.96	2.57	22.63	2.60
	27	13.92	1.79	16.43	2.10	18.94	2.36	20.10	2.56	21.47	2.59	21.75	2.61	22.42	2.64
	29	13.92	2.21	16.43	2.59	18.94	2.90	20.10	3.16	21.27	3.19	21.54	3.22	22.20	3.25
	31	13.92	2.48	16.43	2.91	18.94	3.27	20.10	3.55	21.07	3.59	21.33	3.62	21.99	3.66
	33	13.92	2.62	16.43	3.07	18.94	3.45	20.10	3.75	20.66	3.78	21.12	3.82	21.77	3.86
	35	13.92	2.76	16.43	3.23	18.94	3.63	20.10	3.94	20.45	3.98	20.91	4.02	21.55	4.06
	37	13.92	2.88	16.43	3.38	18.94	3.79	19.70	4.12	20.04	4.14	20.29	4.16	20.69	4.18
	39	13.92	2.98	16.43	3.49	18.94	3.92	19.56	4.26	19.84	4.28	20.08	4.34	20.26	4.37
	41	13.92	3.10	16.43	3.64	18.94	4.08	19.50	4.43	19.63	4.46	19.87	4.51	20.05	4.54
	43	13.92	3.26	16.43	3.82	18.94	4.28	19.30	4.65	19.43	4.70	19.66	4.74	19.94	4.76
	46	13.92	3.40	16.43	3.98	18.94	4.47	18.91	4.86	19.04	4.88	19.07	4.90	19.14	4.90
	48	13.92	3.52	16.43	4.12	18.94	4.62	18.78	5.03	18.85	5.05	18.87	5.11	18.74	5.12
	50	13.92	3.66	16.43	4.29	18.94	4.81	18.72	5.23	18.65	5.26	18.68	5.31	18.54	5.32
50%	10	11.60	1.07	13.69	1.25	15.79	1.41	16.75	1.53	18.24	1.54	19.52	1.56	20.30	1.57
	12	11.60	1.09	13.69	1.28	15.79	1.43	16.75	1.56	18.24	1.57	19.52	1.59	20.12	1.60
	14	11.60	1.11	13.69	1.30	15.79	1.46	16.75	1.58	18.24	1.60	19.35	1.62	19.94	1.63
	16	11.60	1.13	13.69	1.32	15.79	1.48	16.75	1.61	18.24	1.63	19.17	1.64	19.76	1.66
	18	11.60	1.15	13.69	1.34	15.79	1.51	16.75	1.64	18.24	1.66	19.00	1.67	19.58	1.69
	19	11.60	1.17	13.69	1.37	15.79	1.53	16.75	1.67	18.24	1.68	18.82	1.70	19.40	1.72
	21	11.60	1.19	13.69	1.39	15.79	1.56	16.75	1.69	18.24	1.71	18.65	1.73	19.22	1.75
	23	11.60	1.21	13.69	1.41	15.79	1.58	16.75	1.72	18.24	1.74	18.47	1.76	19.04	1.77
	25	11.60	1.24	13.69	1.46	15.79	1.64	16.75	1.78	18.07	1.80	18.30	1.81	18.86	1.83
	27	11.60	1.26	13.69	1.48	15.79	1.66	16.75	1.81	17.90	1.82	18.13	1.84	18.68	1.86
	29	11.60	1.56	13.69	1.82	15.79	2.04	16.75	2.22	17.72	2.24	17.95	2.27	18.50	2.29
	31	11.60	1.75	13.69	2.05	15.79	2.30	16.75	2.50	17.55	2.53	17.78	2.55	18.32	2.58
	33	11.60	1.85	13.69	2.16	15.79	2.43	16.75	2.64	17.21	2.67	17.60	2.69	18.14	2.72
	35	11.60	1.94	13.69	2.28	15.79	2.56	16.75	2.78	17.04	2.81	17.43	2.83	17.96	2.86
	37	11.60	2.03	13.69	2.38	15.79	2.67	16.42	2.90	16.70	2.91	16.91	2.93	17.24	2.94
	39	11.60	2.10	13.69	2.46	15.79	2.76	16.30	3.00	16.53	3.02	16.73	3.05	16.88	3.08
	41	11.60	2.19	13.69	2.56	15.79	2.87	16.25	3.12	16.36	3.14	16.56	3.17	16.70	3.20
	43	11.60	2.29	13.69	2.69	15.79	3.02	16.08	3.28	16.19	3.31	16.38	3.34	16.61	3.35
	46	11.60	2.39	13.69	2.81	15.79	3.15	15.76	3.42	15.87	3.44	15.89	3.45	15.95	3.45
	48	11.60	2.48	13.69	2.90	15.79	3.26	15.65	3.54	15.71	3.56	15.73	3.60	15.62	3.61
	50	11.60	2.58	13.69	3.02	15.79	3.39	15.60	3.68	15.54	3.71	15.56	3.74	15.45	3.75

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	9.28	0.85	10.95	0.99	12.63	1.11	13.40	1.21	14.59	1.22	15.62	1.24	16.24	1.25
	12	9.28	0.86	10.95	1.01	12.63	1.13	13.40	1.23	14.59	1.25	15.62	1.26	16.09	1.27
	14	9.28	0.88	10.95	1.03	12.63	1.15	13.40	1.26	14.59	1.27	15.48	1.28	15.95	1.29
	16	9.28	0.89	10.95	1.05	12.63	1.18	13.40	1.28	14.59	1.29	15.34	1.30	15.81	1.32
	18	9.28	0.91	10.95	1.07	12.63	1.20	13.40	1.30	14.59	1.31	15.20	1.33	15.66	1.34
	19	9.28	0.92	10.95	1.08	12.63	1.22	13.40	1.32	14.59	1.33	15.06	1.35	15.52	1.36
	21	9.28	0.94	10.95	1.10	12.63	1.24	13.40	1.34	14.59	1.36	14.92	1.37	15.38	1.38
	23	9.28	0.96	10.95	1.12	12.63	1.26	13.40	1.37	14.59	1.38	14.78	1.39	15.23	1.41
	25	9.28	0.99	10.95	1.16	12.63	1.30	13.40	1.41	14.45	1.42	14.64	1.44	15.09	1.45
	27	9.28	1.00	10.95	1.17	12.63	1.32	13.40	1.43	14.32	1.45	14.50	1.46	14.94	1.47
	29	9.28	1.23	10.95	1.44	12.63	1.62	13.40	1.76	14.18	1.78	14.36	1.80	14.80	1.81
	31	9.28	1.39	10.95	1.63	12.63	1.82	13.40	1.98	14.04	2.00	14.22	2.02	14.66	2.04
	33	9.28	1.46	10.95	1.72	12.63	1.92	13.40	2.09	13.77	2.11	14.08	2.13	14.51	2.15
	35	9.28	1.54	10.95	1.81	12.63	2.03	13.40	2.20	13.63	2.22	13.94	2.25	14.37	2.27
	37	9.28	1.61	10.95	1.88	12.63	2.11	13.13	2.30	13.36	2.31	13.52	2.32	13.79	2.33
	39	9.28	1.66	10.95	1.95	12.63	2.19	13.04	2.38	13.23	2.39	13.38	2.42	13.51	2.44
	41	9.28	1.73	10.95	2.03	12.63	2.28	13.00	2.48	13.09	2.49	13.25	2.52	13.36	2.54
	43	9.28	1.82	10.95	2.13	12.63	2.39	12.86	2.60	12.95	2.62	13.11	2.65	13.29	2.66
	46	9.28	1.90	10.95	2.22	12.63	2.50	12.61	2.71	12.69	2.73	12.71	2.74	12.76	2.73
	48	9.28	1.96	10.95	2.30	12.63	2.58	12.52	2.81	12.56	2.82	12.58	2.85	12.49	2.86
	50	9.28	2.04	10.95	2.40	12.63	2.69	12.48	2.92	12.43	2.94	12.45	2.96	12.36	2.97
30%	10	6.96	0.78	8.22	0.91	9.47	1.02	10.05	1.11	10.94	1.12	11.71	1.13	12.18	1.14
	12	6.96	0.79	8.22	0.93	9.47	1.04	10.05	1.13	10.94	1.14	11.71	1.15	12.07	1.16
	14	6.96	0.80	8.22	0.94	9.47	1.06	10.05	1.15	10.94	1.16	11.61	1.17	11.96	1.18
	16	6.96	0.82	8.22	0.96	9.47	1.08	10.05	1.17	10.94	1.18	11.50	1.19	11.85	1.20
	18	6.96	0.83	8.22	0.97	9.47	1.09	10.05	1.19	10.94	1.20	11.40	1.21	11.75	1.22
	19	6.96	0.85	8.22	0.99	9.47	1.11	10.05	1.21	10.94	1.22	11.29	1.23	11.64	1.25
	21	6.96	0.86	8.22	1.01	9.47	1.13	10.05	1.23	10.94	1.24	11.19	1.25	11.53	1.27
	23	6.96	0.87	8.22	1.02	9.47	1.15	10.05	1.25	10.94	1.26	11.08	1.27	11.42	1.29
	25	6.96	0.90	8.22	1.06	9.47	1.19	10.05	1.29	10.84	1.30	10.98	1.32	11.32	1.33
	27	6.96	0.92	8.22	1.07	9.47	1.21	10.05	1.31	10.74	1.32	10.88	1.34	11.21	1.35
	29	6.96	1.13	8.22	1.32	9.47	1.48	10.05	1.61	10.63	1.63	10.77	1.64	11.10	1.66
	31	6.96	1.27	8.22	1.49	9.47	1.67	10.05	1.81	10.53	1.83	10.67	1.85	10.99	1.87
	33	6.96	1.34	8.22	1.57	9.47	1.76	10.05	1.91	10.33	1.93	10.56	1.95	10.88	1.97
	35	6.96	1.41	8.22	1.65	9.47	1.85	10.05	2.02	10.23	2.04	10.46	2.06	10.78	2.08
	37	6.96	1.47	8.22	1.72	9.47	1.93	9.85	2.10	10.02	2.11	10.14	2.12	10.35	2.13
	39	6.96	1.52	8.22	1.78	9.47	2.00	9.78	2.18	9.92	2.19	10.04	2.22	10.13	2.23
	41	6.96	1.59	8.22	1.86	9.47	2.08	9.75	2.27	9.82	2.28	9.93	2.30	10.02	2.32
	43	6.96	1.66	8.22	1.95	9.47	2.19	9.65	2.38	9.71	2.40	9.83	2.42	9.97	2.43
	46	6.96	1.74	8.22	2.03	9.47	2.28	9.46	2.48	9.52	2.49	9.53	2.50	9.57	2.50
	48	6.96	1.80	8.22	2.11	9.47	2.36	9.39	2.57	9.42	2.58	9.44	2.61	9.37	2.62
	50	6.96	1.87	8.22	2.19	9.47	2.46	9.36	2.67	9.33	2.69	9.34	2.71	9.27	2.72
20%	10	4.64	0.45	5.48	0.53	6.31	0.59	6.70	0.64	7.29	0.65	7.81	0.65	8.12	0.66
	12	4.64	0.46	5.48	0.54	6.31	0.60	6.70	0.65	7.29	0.66	7.81	0.67	8.05	0.67
	14	4.64	0.47	5.48	0.54	6.31	0.61	6.70	0.66	7.29	0.67	7.74	0.68	7.98	0.68
	16	4.64	0.47	5.48	0.55	6.31	0.62	6.70	0.68	7.29	0.68	7.67	0.69	7.90	0.70
	18	4.64	0.48	5.48	0.56	6.31	0.63	6.70	0.69	7.29	0.69	7.60	0.70	7.83	0.71
	19	4.64	0.49	5.48	0.57	6.31	0.64	6.70	0.70	7.29	0.71	7.53	0.71	7.76	0.72
	21	4.64	0.50	5.48	0.58	6.31	0.65	6.70	0.71	7.29	0.72	7.46	0.73	7.69	0.73
	23	4.64	0.51	5.48	0.59	6.31	0.67	6.70	0.72	7.29	0.73	7.39	0.74	7.62	0.74
	25	4.64	0.52	5.48	0.61	6.31	0.69	6.70	0.75	7.23	0.75	7.32	0.76	7.54	0.77
	27	4.64	0.53	5.48	0.62	6.31	0.70	6.70	0.76	7.16	0.77	7.25	0.77	7.47	0.78
	29	4.64	0.65	5.48	0.76	6.31	0.86	6.70	0.93	7.09	0.94	7.18	0.95	7.40	0.96
	31	4.64	0.73	5.48	0.86	6.31	0.97	6.70	1.05	7.02	1.06	7.11	1.07	7.33	1.08
	33	4.64	0.78	5.48	0.91	6.31	1.02	6.70	1.11	6.89	1.12	7.04	1.13	7.26	1.14
	35	4.64	0.82	5.48	0.96	6.31	1.07	6.70	1.17	6.82	1.18	6.97	1.19	7.18	1.20
	37	4.64	0.85	5.48	1.00	6.31	1.12	6.57	1.22	6.68	1.22	6.76	1.23	6.90	1.24
	39	4.64	0.88	5.48	1.03	6.31	1.16	6.52	1.26	6.61	1.27	6.69	1.28	6.75	1.29
	41	4.64	0.92	5.48	1.07	6.31	1.21	6.50	1.31	6.54	1.32	6.62	1.33	6.68	1.34
	43	4.64	0.96	5.48	1.13	6.31	1.27	6.43	1.38	6.48	1.39	6.55	1.40	6.65	1.41
	46	4.64	1.01	5.48	1.18	6.31	1.32	6.30	1.44	6.35	1.44	6.36	1.45	6.38	1.45
	48	4.64	1.04	5.48	1.22	6.31	1.37	6.26	1.49	6.28	1.49	6.29	1.51	6.25	1.51
	50	4.64	1.08	5.48	1.27	6.31	1.42	6.24	1.55	6.22	1.56	6.23	1.57	6.18	1.57

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR140ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	30.37	4.92	35.85	5.76	41.34	6.47	43.86	7.03	47.75	7.10	51.11	7.17	53.14	7.24
	12	30.37	5.01	35.85	5.87	41.34	6.58	43.86	7.16	47.75	7.23	51.11	7.30	52.67	7.37
	14	30.37	5.10	35.85	5.97	41.34	6.70	43.86	7.29	47.75	7.36	50.65	7.43	52.20	7.50
	16	30.37	5.19	35.85	6.08	41.34	6.82	43.86	7.41	47.75	7.49	50.20	7.56	51.73	7.64
	18	30.37	5.28	35.85	6.18	41.34	6.94	43.86	7.54	47.75	7.62	49.74	7.69	51.26	7.77
	19	30.37	5.37	35.85	6.29	40.10	7.06	43.86	7.67	47.75	7.75	49.28	7.82	50.79	7.90
	21	30.37	5.46	35.85	6.39	41.34	7.17	43.86	7.80	47.75	7.87	48.83	7.95	50.32	8.03
	23	30.37	5.55	35.85	6.50	41.34	7.29	43.86	7.92	47.75	8.00	48.37	8.08	49.85	8.16
	25	30.37	5.73	35.85	6.71	41.34	7.53	43.86	8.18	47.30	8.26	47.92	8.34	49.38	8.43
	27	30.37	5.82	35.85	6.81	41.34	7.64	43.86	8.31	46.86	8.39	47.46	8.47	48.91	8.56
	29	30.37	7.16	35.85	8.38	41.34	9.41	43.86	10.23	46.41	10.33	47.00	10.43	48.44	10.53
	31	30.37	8.05	35.85	9.43	41.34	10.58	43.86	11.50	45.96	11.62	46.55	11.73	47.97	11.85
	33	30.37	8.50	35.85	9.96	41.34	11.17	43.86	12.14	45.07	12.26	46.09	12.39	47.50	12.51
	35	30.37	8.95	35.85	10.48	41.34	11.76	43.86	12.78	44.62	12.91	45.63	13.04	47.03	13.16
	37	30.37	9.34	35.85	10.94	41.34	12.27	42.98	13.34	43.73	13.41	44.26	13.48	45.15	13.54
	39	30.37	9.66	35.85	11.32	41.34	12.70	42.67	13.80	43.29	13.88	43.81	14.05	44.21	14.15
	41	30.37	10.06	35.85	11.78	41.34	13.22	42.54	14.37	42.84	14.46	43.35	14.60	43.74	14.72
	43	30.37	10.56	35.85	12.37	41.34	13.88	42.10	15.08	42.39	15.23	42.90	15.36	43.50	15.43
	46	30.37	11.02	35.85	12.91	41.34	14.48	41.26	15.74	41.55	15.82	41.61	15.87	41.76	15.87
	48	30.37	11.40	35.85	13.36	41.34	14.99	40.97	16.29	41.12	16.38	41.18	16.56	40.89	16.59
	50	30.37	11.87	35.85	13.90	41.34	15.60	40.84	16.95	40.70	17.06	40.75	17.20	40.46	17.25
120%	10	29.88	4.87	35.27	5.71	40.66	6.40	43.14	6.96	46.97	7.03	50.28	7.10	52.28	7.17
	12	29.88	4.96	35.27	5.81	40.66	6.52	43.14	7.09	46.97	7.16	50.28	7.23	51.82	7.30
	14	29.88	5.05	35.27	5.92	40.66	6.64	43.14	7.21	46.97	7.29	49.83	7.36	51.35	7.43
	16	29.88	5.14	35.27	6.02	40.66	6.75	43.14	7.34	46.97	7.41	49.38	7.49	50.89	7.56
	18	29.88	5.23	35.27	6.12	40.66	6.87	43.14	7.47	46.97	7.54	48.93	7.62	50.43	7.69
	19	29.88	5.32	35.27	6.23	40.66	6.99	43.14	7.59	46.97	7.67	48.48	7.75	49.97	7.82
	21	29.88	5.40	35.27	6.33	40.66	7.10	43.14	7.72	46.97	7.80	48.03	7.88	49.50	7.95
	23	29.88	5.49	35.27	6.43	40.66	7.22	43.14	7.85	46.97	7.93	47.58	8.00	49.04	8.08
	25	29.88	5.67	35.27	6.64	40.66	7.45	43.14	8.10	46.53	8.18	47.13	8.26	48.58	8.34
	27	29.88	5.76	35.27	6.75	40.66	7.57	43.14	8.23	46.09	8.31	46.69	8.39	48.11	8.47
	29	29.88	7.09	35.27	8.30	40.66	9.32	43.14	10.13	45.65	10.23	46.24	10.33	47.65	10.43
	31	29.88	7.97	35.27	9.34	40.66	10.48	43.14	11.39	45.21	11.51	45.79	11.62	47.19	11.73
	33	29.88	8.42	35.27	9.86	40.66	11.06	43.14	12.02	44.34	12.14	45.34	12.26	46.73	12.39
	35	29.88	8.86	35.27	10.38	40.66	11.64	43.14	12.66	43.90	12.78	44.89	12.91	46.26	13.04
	37	29.88	9.25	35.27	10.83	40.66	12.15	42.28	13.21	43.02	13.28	43.54	13.34	44.41	13.41
	39	29.88	9.57	35.27	11.21	40.66	12.58	41.98	13.67	42.58	13.74	43.09	13.92	43.49	14.01
	41	29.88	9.96	35.27	11.67	40.66	13.09	41.85	14.23	42.14	14.32	42.65	14.46	43.03	14.58
	43	29.88	10.45	35.27	12.25	40.66	13.74	41.42	14.94	41.70	15.08	42.20	15.21	42.79	15.28
	46	29.88	10.91	35.27	12.78	40.66	14.34	40.59	15.59	40.87	15.67	40.93	15.72	41.08	15.72
	48	29.88	11.29	35.27	13.23	40.66	14.84	40.30	16.13	40.45	16.22	40.51	16.39	40.23	16.43
	50	29.88	11.75	35.27	13.77	40.66	15.44	40.17	16.79	40.03	16.90	40.09	17.03	39.80	17.08
110%	10	29.38	4.76	34.69	5.57	39.99	6.25	42.43	6.80	46.19	6.86	49.44	6.93	51.41	7.00
	12	29.38	4.84	34.69	5.67	39.99	6.37	42.43	6.92	46.19	6.99	49.44	7.06	50.96	7.13
	14	29.38	4.93	34.69	5.78	39.99	6.48	42.43	7.04	46.19	7.11	49.00	7.18	50.50	7.25
	16	29.38	5.02	34.69	5.88	39.99	6.59	42.43	7.17	46.19	7.24	48.56	7.31	50.05	7.38
	18	29.38	5.10	34.69	5.98	39.99	6.71	42.43	7.29	46.19	7.36	48.12	7.44	49.59	7.51
	19	29.38	5.19	34.69	6.08	39.99	6.82	42.43	7.41	46.19	7.49	47.68	7.56	49.14	7.64
	21	29.38	5.28	34.69	6.18	39.99	6.93	42.43	7.54	46.19	7.61	47.24	7.69	48.68	7.76
	23	29.38	5.36	34.69	6.28	39.99	7.05	42.43	7.66	46.19	7.74	46.80	7.81	48.23	7.89
	25	29.38	5.54	34.69	6.48	39.99	7.28	42.43	7.91	45.76	7.99	46.35	8.07	47.77	8.15
	27	29.38	5.62	34.69	6.59	39.99	7.39	42.43	8.03	45.33	8.11	45.91	8.19	47.32	8.27
	29	29.38	6.92	34.69	8.11	39.99	9.09	42.43	9.88	44.90	9.98	45.47	10.08	46.86	10.18
	31	29.38	7.78	34.69	9.12	39.99	10.23	42.43	11.12	44.47	11.23	45.03	11.34	46.41	11.45
	33	29.38	8.22	34.69	9.63	39.99	10.80	42.43	11.74	43.60	11.86	44.59	11.97	45.95	12.09
	35	29.38	8.65	34.69	10.13	39.99	11.37	42.43	12.36	43.17	12.48	44.15	12.60	45.50	12.73
	37	29.38	9.03	34.69	10.57	39.99	11.86	41.58	12.89	42.31	12.96	42.82	13.03	43.68	13.09
	39	29.38	9.34	34.69	10.94	39.99	12.28	41.28	13.34	41.88	13.42	42.38	13.59	42.77	13.68
	41	29.38	9.72	34.69	11.39	39.99	12.78	41.16	13.89	41.44	13.98	41.94	14.12	42.31	14.23
	43	29.38	10.21	34.69	11.96	39.99	13.41	40.73	14.58	41.01	14.73	41.50	14.85	42.09	14.92
	46	29.38	10.65	34.69	12.48	39.99	14.00	39.92	15.22	40.19	15.29	40.25	15.35	40.40	15.34
	48	29.38	11.02	34.69	12.91	39.99	14.49	39.63	15.75	39.78	15.83	39.84	16.00	39.56	16.03
	50	29.38	11.47	34.69	13.44	39.99	15.08	39.51	16.39	39.37	16.49	39.42	16.63	39.14	16.68

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	27.70	4.50	32.70	5.28	37.70	5.92	40.00	6.44	43.55	6.50	46.61	6.56	48.47	6.63
	12	27.70	4.59	32.70	5.37	37.70	6.03	40.00	6.55	43.55	6.62	46.61	6.68	48.04	6.75
	14	27.70	4.67	32.70	5.47	37.70	6.14	40.00	6.67	43.55	6.74	46.20	6.80	47.61	6.87
	16	27.70	4.75	32.70	5.56	37.70	6.24	40.00	6.79	43.55	6.85	45.78	6.92	47.18	6.99
	18	27.70	4.83	32.70	5.66	37.70	6.35	40.00	6.90	43.55	6.97	45.37	7.04	46.75	7.11
	19	27.70	4.91	32.70	5.76	37.70	6.46	40.00	7.02	43.55	7.09	44.95	7.16	46.33	7.23
	21	27.70	5.00	32.70	5.85	37.70	6.57	40.00	7.14	43.55	7.21	44.53	7.28	45.90	7.35
	23	27.70	5.08	32.70	5.95	37.70	6.67	40.00	7.25	43.55	7.33	44.12	7.40	45.47	7.47
	25	27.70	5.24	32.70	6.14	37.70	6.89	40.00	7.49	43.14	7.56	43.70	7.64	45.04	7.71
	27	27.70	5.32	32.70	6.24	37.70	7.00	40.00	7.61	42.74	7.68	43.28	7.76	44.61	7.83
	29	27.70	6.55	32.70	7.68	37.70	8.61	40.00	9.36	42.33	9.45	42.87	9.55	44.18	9.64
	31	27.70	7.37	32.70	8.63	37.70	9.69	40.00	10.53	41.92	10.64	42.45	10.74	43.75	10.85
	33	27.70	7.78	32.70	9.11	37.70	10.23	40.00	11.12	41.11	11.23	42.04	11.34	43.32	11.45
	35	27.70	8.19	32.70	9.59	37.70	10.76	40.00	11.70	40.70	11.82	41.62	11.93	42.89	12.05
	37	27.70	8.55	32.70	10.01	37.70	11.23	39.20	12.21	39.89	12.27	40.37	12.33	41.18	12.40
	39	27.70	8.85	32.70	10.36	37.70	11.63	38.92	12.64	39.48	12.70	39.96	12.86	40.32	12.95
	41	27.70	9.21	32.70	10.78	37.70	12.10	38.80	13.15	39.07	13.24	39.54	13.37	39.89	13.47
	43	27.70	9.66	32.70	11.32	37.70	12.70	38.40	13.81	38.67	13.94	39.12	14.06	39.68	14.12
	46	27.70	10.09	32.70	11.81	37.70	13.26	37.63	14.41	37.89	14.48	37.95	14.53	38.09	14.53
	48	27.70	10.44	32.70	12.23	37.70	13.72	37.36	14.91	37.51	14.99	37.56	15.15	37.30	15.18
	50	27.70	10.86	32.70	12.72	37.70	14.28	37.25	15.52	37.12	15.62	37.17	15.75	36.90	15.79
90%	10	24.93	3.78	29.43	4.43	33.93	4.97	36.00	5.40	39.19	5.46	41.95	5.51	43.62	5.56
	12	24.93	3.85	29.43	4.51	33.93	5.06	36.00	5.50	39.19	5.55	41.95	5.61	43.24	5.66
	14	24.93	3.92	29.43	4.59	33.93	5.15	36.00	5.60	39.19	5.65	41.58	5.71	42.85	5.77
	16	24.93	3.99	29.43	4.67	33.93	5.24	36.00	5.70	39.19	5.75	41.20	5.81	42.47	5.87
	18	24.93	4.06	29.43	4.75	33.93	5.33	36.00	5.79	39.19	5.85	40.83	5.91	42.08	5.97
	19	24.93	4.12	29.43	4.83	33.93	5.42	36.00	5.89	39.19	5.95	40.45	6.01	41.69	6.07
	21	24.93	4.19	29.43	4.91	33.93	5.51	36.00	5.99	39.19	6.05	40.08	6.11	41.31	6.17
	23	24.93	4.26	29.43	4.99	33.93	5.60	36.00	6.09	39.19	6.15	39.71	6.21	40.92	6.27
	25	24.93	4.40	29.43	5.15	33.93	5.78	36.00	6.29	38.83	6.35	39.33	6.41	40.53	6.47
	27	24.93	4.47	29.43	5.23	33.93	5.87	36.00	6.38	38.46	6.45	38.96	6.51	40.15	6.58
	29	24.93	5.50	29.43	6.44	33.93	7.23	36.00	7.86	38.10	7.94	38.58	8.01	39.76	8.09
	31	24.93	6.19	29.43	7.25	33.93	8.13	36.00	8.84	37.73	8.93	38.21	9.02	39.38	9.10
	33	24.93	6.53	29.43	7.65	33.93	8.58	36.00	9.33	37.00	9.42	37.83	9.52	38.99	9.61
	35	24.93	6.87	29.43	8.05	33.93	9.04	36.00	9.82	36.63	9.92	37.46	10.02	38.60	10.12
	37	24.93	7.17	29.43	8.40	33.93	9.43	35.28	10.25	35.90	10.30	36.33	10.35	37.06	10.40
	39	24.93	7.42	29.43	8.70	33.93	9.76	35.03	10.61	35.53	10.66	35.96	10.80	36.29	10.87
	41	24.93	7.73	29.43	9.05	33.93	10.16	34.92	11.04	35.16	11.11	35.59	11.22	35.90	11.31
	43	24.93	8.11	29.43	9.50	33.93	10.66	34.56	11.59	34.80	11.70	35.21	11.80	35.71	11.86
	46	24.93	8.47	29.43	9.92	33.93	11.13	33.87	12.09	34.10	12.16	34.15	12.20	34.28	12.19
	48	24.93	8.76	29.43	10.26	33.93	11.51	33.63	12.52	33.75	12.58	33.80	12.72	33.57	12.74
	50	24.93	9.12	29.43	10.68	33.93	11.98	33.52	13.03	33.41	13.11	33.45	13.22	33.21	13.25
80%	10	22.16	3.10	26.16	3.63	30.16	4.07	32.00	4.43	34.84	4.47	37.29	4.52	38.78	4.56
	12	22.16	3.15	26.16	3.70	30.16	4.15	32.00	4.51	34.84	4.55	37.29	4.60	38.43	4.64
	14	22.16	3.21	26.16	3.76	30.16	4.22	32.00	4.59	34.84	4.63	36.96	4.68	38.09	4.73
	16	22.16	3.27	26.16	3.83	30.16	4.29	32.00	4.67	34.84	4.71	36.63	4.76	37.75	4.81
	18	22.16	3.32	26.16	3.89	30.16	4.37	32.00	4.75	34.84	4.80	36.29	4.84	37.40	4.89
	19	22.16	3.38	26.16	3.96	30.16	4.44	32.00	4.83	34.84	4.88	35.96	4.93	37.06	4.97
	21	22.16	3.44	26.16	4.03	30.16	4.52	32.00	4.91	34.84	4.96	35.63	5.01	36.72	5.06
	23	22.16	3.49	26.16	4.09	30.16	4.59	32.00	4.99	34.84	5.04	35.29	5.09	36.37	5.14
	25	22.16	3.61	26.16	4.22	30.16	4.74	32.00	5.15	34.51	5.20	34.96	5.25	36.03	5.31
	27	22.16	3.66	26.16	4.29	30.16	4.81	32.00	5.23	34.19	5.28	34.63	5.34	35.69	5.39
	29	22.16	4.51	26.16	5.28	30.16	5.92	32.00	6.44	33.86	6.50	34.29	6.57	35.34	6.63
	31	22.16	5.07	26.16	5.94	30.16	6.66	32.00	7.24	33.54	7.32	33.96	7.39	35.00	7.46
	33	22.16	5.35	26.16	6.27	30.16	7.03	32.00	7.65	32.89	7.72	33.63	7.80	34.66	7.88
	35	22.16	5.63	26.16	6.60	30.16	7.40	32.00	8.05	32.56	8.13	33.30	8.21	34.32	8.29
	37	22.16	5.88	26.16	6.89	30.16	7.73	31.36	8.40	31.91	8.44	32.30	8.48	32.94	8.53
	39	22.16	6.08	26.16	7.13	30.16	8.00	31.14	8.69	31.58	8.74	31.96	8.85	32.26	8.91
	41	22.16	6.33	26.16	7.42	30.16	8.32	31.04	9.05	31.26	9.10	31.63	9.19	31.91	9.27
	43	22.16	6.65	26.16	7.79	30.16	8.74	30.72	9.50	30.93	9.59	31.30	9.67	31.74	9.72
	46	22.16	6.94	26.16	8.13	30.16	9.12	30.11	9.91	30.31	9.96	30.36	10.00	30.47	9.99
	48	22.16	7.18	26.16	8.41	30.16	9.44	29.89	10.26	30.00	10.31	30.05	10.42	29.84	10.44
	50	22.16	7.47	26.16	8.75	30.16	9.82	29.80	10.67	29.69	10.74	29.73	10.83	29.52	10.86

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	19.39	2.46	22.89	2.89	26.39	3.24	28.00	3.52	30.48	3.55	32.63	3.59	33.93	3.63
	12	19.39	2.51	22.89	2.94	26.39	3.30	28.00	3.58	30.48	3.62	32.63	3.66	33.63	3.69
	14	19.39	2.55	22.89	2.99	26.39	3.36	28.00	3.65	30.48	3.68	32.34	3.72	33.33	3.76
	16	19.39	2.60	22.89	3.04	26.39	3.41	28.00	3.71	30.48	3.75	32.05	3.79	33.03	3.82
	18	19.39	2.64	22.89	3.10	26.39	3.47	28.00	3.78	30.48	3.81	31.76	3.85	32.73	3.89
	19	19.39	2.69	22.89	3.15	26.39	3.53	28.00	3.84	30.48	3.88	31.46	3.92	32.43	3.95
	21	19.39	2.73	22.89	3.20	26.39	3.59	28.00	3.90	30.48	3.94	31.17	3.98	32.13	4.02
	23	19.39	2.78	22.89	3.25	26.39	3.65	28.00	3.97	30.48	4.01	30.88	4.05	31.83	4.09
	25	19.39	2.87	22.89	3.36	26.39	3.77	28.00	4.10	30.20	4.14	30.59	4.18	31.53	4.22
	27	19.39	2.91	22.89	3.41	26.39	3.83	28.00	4.16	29.91	4.20	30.30	4.24	31.23	4.28
	29	19.39	3.58	22.89	4.20	26.39	4.71	28.00	5.12	29.63	5.17	30.01	5.22	30.93	5.27
	31	19.39	4.03	22.89	4.72	26.39	5.30	28.00	5.76	29.34	5.82	29.72	5.87	30.63	5.93
	33	19.39	4.26	22.89	4.99	26.39	5.59	28.00	6.08	28.77	6.14	29.43	6.20	30.33	6.26
	35	19.39	4.48	22.89	5.25	26.39	5.89	28.00	6.40	28.49	6.46	29.13	6.53	30.03	6.59
	37	19.39	4.67	22.89	5.48	26.39	6.14	27.44	6.68	27.92	6.71	28.26	6.75	28.82	6.78
	39	19.39	4.84	22.89	5.67	26.39	6.36	27.24	6.91	27.64	6.95	27.97	7.04	28.22	7.09
	41	19.39	5.04	22.89	5.90	26.39	6.62	27.16	7.19	27.35	7.24	27.68	7.31	27.92	7.37
	43	19.39	5.29	22.89	6.19	26.39	6.95	26.88	7.55	27.07	7.63	27.39	7.69	27.77	7.73
	46	19.39	5.52	22.89	6.46	26.39	7.25	26.34	7.88	26.52	7.92	26.56	7.95	26.66	7.95
	48	19.39	5.71	22.89	6.69	26.39	7.50	26.15	8.16	26.25	8.20	26.29	8.29	26.11	8.30
	50	19.39	5.94	22.89	6.96	26.39	7.81	26.07	8.49	25.98	8.54	26.02	8.61	25.83	8.64
60%	10	16.62	1.87	19.62	2.19	22.62	2.46	24.00	2.67	26.13	2.70	27.97	2.72	29.08	2.75
	12	16.62	1.90	19.62	2.23	22.62	2.50	24.00	2.72	26.13	2.75	27.97	2.77	28.82	2.80
	14	16.62	1.94	19.62	2.27	22.62	2.55	24.00	2.77	26.13	2.80	27.72	2.82	28.57	2.85
	16	16.62	1.97	19.62	2.31	22.62	2.59	24.00	2.82	26.13	2.85	27.47	2.87	28.31	2.90
	18	16.62	2.01	19.62	2.35	22.62	2.64	24.00	2.87	26.13	2.89	27.22	2.92	28.05	2.95
	19	16.62	2.04	19.62	2.39	22.62	2.68	24.00	2.91	26.13	2.94	26.97	2.97	27.80	3.00
	21	16.62	2.07	19.62	2.43	22.62	2.73	24.00	2.96	26.13	2.99	26.72	3.02	27.54	3.05
	23	16.62	2.11	19.62	2.47	22.62	2.77	24.00	3.01	26.13	3.04	26.47	3.07	27.28	3.10
	25	16.62	2.18	19.62	2.55	22.62	2.86	24.00	3.11	25.89	3.14	26.22	3.17	27.02	3.20
	27	16.62	2.21	19.62	2.59	22.62	2.90	24.00	3.16	25.64	3.19	25.97	3.22	26.77	3.25
	29	16.62	2.72	19.62	3.19	22.62	3.57	24.00	3.89	25.40	3.92	25.72	3.96	26.51	4.00
	31	16.62	3.06	19.62	3.58	22.62	4.02	24.00	4.37	25.15	4.42	25.47	4.46	26.25	4.50
	33	16.62	3.23	19.62	3.78	22.62	4.25	24.00	4.61	24.66	4.66	25.22	4.71	25.99	4.75
	35	16.62	3.40	19.62	3.98	22.62	4.47	24.00	4.86	24.42	4.91	24.97	4.95	25.74	5.00
	37	16.62	3.55	19.62	4.16	22.62	4.66	23.52	5.07	23.93	5.10	24.22	5.12	24.71	5.15
	39	16.62	3.67	19.62	4.30	22.62	4.83	23.35	5.25	23.69	5.27	23.97	5.34	24.19	5.38
	41	16.62	3.82	19.62	4.48	22.62	5.02	23.28	5.46	23.44	5.49	23.72	5.55	23.93	5.59
	43	16.62	4.01	19.62	4.70	22.62	5.27	23.04	5.73	23.20	5.79	23.47	5.84	23.81	5.86
	46	16.62	4.19	19.62	4.90	22.62	5.50	22.58	5.98	22.74	6.01	22.77	6.03	22.85	6.03
	48	16.62	4.33	19.62	5.08	22.62	5.69	22.42	6.19	22.50	6.22	22.53	6.29	22.38	6.30
	50	16.62	4.51	19.62	5.28	22.62	5.93	22.35	6.44	22.27	6.48	22.30	6.54	22.14	6.56
50%	10	13.85	1.32	16.35	1.54	18.85	1.73	20.00	1.88	21.77	1.90	23.31	1.92	24.24	1.94
	12	13.85	1.34	16.35	1.57	18.85	1.76	20.00	1.92	21.77	1.94	23.31	1.95	24.02	1.97
	14	13.85	1.37	16.35	1.60	18.85	1.79	20.00	1.95	21.77	1.97	23.10	1.99	23.81	2.01
	16	13.85	1.39	16.35	1.63	18.85	1.83	20.00	1.98	21.77	2.00	22.89	2.02	23.59	2.04
	18	13.85	1.41	16.35	1.66	18.85	1.86	20.00	2.02	21.77	2.04	22.68	2.06	23.38	2.08
	19	13.85	1.44	16.35	1.68	18.85	1.89	20.00	2.05	21.77	2.07	22.47	2.09	23.16	2.11
	21	13.85	1.46	16.35	1.71	18.85	1.92	20.00	2.09	21.77	2.11	22.27	2.13	22.95	2.15
	23	13.85	1.48	16.35	1.74	18.85	1.95	20.00	2.12	21.77	2.14	22.06	2.16	22.73	2.18
	25	13.85	1.53	16.35	1.80	18.85	2.01	20.00	2.19	21.57	2.21	21.85	2.23	22.52	2.26
	27	13.85	1.56	16.35	1.82	18.85	2.05	20.00	2.22	21.37	2.25	21.64	2.27	22.30	2.29
	29	13.85	1.92	16.35	2.24	18.85	2.52	20.00	2.74	21.16	2.76	21.43	2.79	22.09	2.82
	31	13.85	2.16	16.35	2.52	18.85	2.83	20.00	3.08	20.96	3.11	21.23	3.14	21.88	3.17
	33	13.85	2.28	16.35	2.67	18.85	2.99	20.00	3.25	20.55	3.28	21.02	3.32	21.66	3.35
	35	13.85	2.39	16.35	2.81	18.85	3.15	20.00	3.42	20.35	3.46	20.81	3.49	21.45	3.52
	37	13.85	2.50	16.35	2.93	18.85	3.28	19.60	3.57	19.94	3.59	20.19	3.61	20.59	3.62
	39	13.85	2.59	16.35	3.03	18.85	3.40	19.46	3.70	19.74	3.71	19.98	3.76	20.16	3.79
	41	13.85	2.69	16.35	3.15	18.85	3.54	19.40	3.85	19.54	3.87	19.77	3.91	19.95	3.94
	43	13.85	2.83	16.35	3.31	18.85	3.71	19.20	4.04	19.33	4.08	19.56	4.11	19.84	4.13
	46	13.85	2.95	16.35	3.45	18.85	3.88	18.82	4.21	18.95	4.23	18.97	4.25	19.04	4.25
	48	13.85	3.05	16.35	3.58	18.85	4.01	18.68	4.36	18.75	4.38	18.78	4.43	18.65	4.44
	50	13.85	3.18	16.35	3.72	18.85	4.17	18.62	4.54	18.56	4.57	18.58	4.60	18.45	4.62

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	11.08	1.04	13.08	1.22	15.08	1.37	16.00	1.49	17.42	1.51	18.65	1.52	19.39	1.54
	12	11.08	1.06	13.08	1.25	15.08	1.40	16.00	1.52	17.42	1.53	18.65	1.55	19.22	1.56
	14	11.08	1.08	13.08	1.27	15.08	1.42	16.00	1.55	17.42	1.56	18.48	1.58	19.04	1.59
	16	11.08	1.10	13.08	1.29	15.08	1.45	16.00	1.57	17.42	1.59	18.31	1.60	18.87	1.62
	18	11.08	1.12	13.08	1.31	15.08	1.47	16.00	1.60	17.42	1.62	18.15	1.63	18.70	1.65
	19	11.08	1.14	13.08	1.33	15.08	1.50	16.00	1.63	17.42	1.64	17.98	1.66	18.53	1.68
	21	11.08	1.16	13.08	1.36	15.08	1.52	16.00	1.65	17.42	1.67	17.81	1.69	18.36	1.70
	23	11.08	1.18	13.08	1.38	15.08	1.55	16.00	1.68	17.42	1.70	17.65	1.72	18.19	1.73
	25	11.08	1.22	13.08	1.42	15.08	1.60	16.00	1.74	17.26	1.75	17.48	1.77	18.02	1.79
	27	11.08	1.23	13.08	1.45	15.08	1.62	16.00	1.76	17.09	1.78	17.31	1.80	17.84	1.82
	29	11.08	1.52	13.08	1.78	15.08	2.00	16.00	2.17	16.93	2.19	17.15	2.21	17.67	2.23
	31	11.08	1.71	13.08	2.00	15.08	2.25	16.00	2.44	16.77	2.47	16.98	2.49	17.50	2.51
	33	11.08	1.80	13.08	2.11	15.08	2.37	16.00	2.58	16.44	2.60	16.81	2.63	17.33	2.65
	35	11.08	1.90	13.08	2.22	15.08	2.50	16.00	2.71	16.28	2.74	16.65	2.77	17.16	2.79
	37	11.08	1.98	13.08	2.32	15.08	2.60	15.68	2.83	15.95	2.85	16.15	2.86	16.47	2.87
	39	11.08	2.05	13.08	2.40	15.08	2.69	15.57	2.93	15.79	2.94	15.98	2.98	16.13	3.00
	41	11.08	2.13	13.08	2.50	15.08	2.80	15.52	3.05	15.63	3.07	15.82	3.10	15.96	3.12
	43	11.08	2.24	13.08	2.62	15.08	2.94	15.36	3.20	15.47	3.23	15.65	3.26	15.87	3.27
	46	11.08	2.34	13.08	2.74	15.08	3.07	15.05	3.34	15.16	3.36	15.18	3.37	15.24	3.37
	48	11.08	2.42	13.08	2.83	15.08	3.18	14.95	3.46	15.00	3.47	15.02	3.51	14.92	3.52
	50	11.08	2.52	13.08	2.95	15.08	3.31	14.90	3.60	14.85	3.62	14.87	3.65	14.76	3.66
30%	10	8.31	0.96	9.81	1.12	11.31	1.26	12.00	1.37	13.06	1.38	13.98	1.39	14.54	1.41
	12	8.31	0.97	9.81	1.14	11.31	1.28	12.00	1.39	13.06	1.40	13.98	1.42	14.41	1.43
	14	8.31	0.99	9.81	1.16	11.31	1.30	12.00	1.41	13.06	1.43	13.86	1.44	14.28	1.46
	16	8.31	1.01	9.81	1.18	11.31	1.32	12.00	1.44	13.06	1.45	13.73	1.47	14.16	1.48
	18	8.31	1.02	9.81	1.20	11.31	1.35	12.00	1.46	13.06	1.48	13.61	1.49	14.03	1.51
	19	8.31	1.04	9.81	1.22	11.31	1.37	12.00	1.49	13.06	1.50	13.48	1.52	13.90	1.53
	21	8.31	1.06	9.81	1.24	11.31	1.39	12.00	1.51	13.06	1.53	13.36	1.54	13.77	1.56
	23	8.31	1.08	9.81	1.26	11.31	1.42	12.00	1.54	13.06	1.55	13.24	1.57	13.64	1.58
	25	8.31	1.11	9.81	1.30	11.31	1.46	12.00	1.59	12.94	1.60	13.11	1.62	13.51	1.64
	27	8.31	1.13	9.81	1.32	11.31	1.48	12.00	1.61	12.82	1.63	12.99	1.65	13.38	1.66
	29	8.31	1.39	9.81	1.63	11.31	1.83	12.00	1.99	12.70	2.01	12.86	2.03	13.25	2.05
	31	8.31	1.56	9.81	1.83	11.31	2.05	12.00	2.23	12.58	2.26	12.74	2.28	13.13	2.30
	33	8.31	1.65	9.81	1.93	11.31	2.17	12.00	2.36	12.33	2.38	12.61	2.40	13.00	2.43
	35	8.31	1.74	9.81	2.04	11.31	2.28	12.00	2.48	12.21	2.51	12.49	2.53	12.87	2.56
	37	8.31	1.81	9.81	2.12	11.31	2.38	11.76	2.59	11.97	2.60	12.11	2.62	12.35	2.63
	39	8.31	1.88	9.81	2.20	11.31	2.47	11.68	2.68	11.84	2.69	11.99	2.73	12.10	2.75
	41	8.31	1.95	9.81	2.29	11.31	2.57	11.64	2.79	11.72	2.81	11.86	2.84	11.97	2.86
	43	8.31	2.05	9.81	2.40	11.31	2.69	11.52	2.93	11.60	2.96	11.74	2.98	11.90	3.00
	46	8.31	2.14	9.81	2.51	11.31	2.81	11.29	3.06	11.37	3.07	11.38	3.08	11.43	3.08
	48	8.31	2.21	9.81	2.59	11.31	2.91	11.21	3.16	11.25	3.18	11.27	3.21	11.19	3.22
	50	8.31	2.30	9.81	2.70	11.31	3.03	11.17	3.29	11.14	3.31	11.15	3.34	11.07	3.35
20%	10	5.54	0.55	6.54	0.65	7.54	0.73	8.00	0.79	8.71	0.80	9.32	0.81	9.69	0.81
	12	5.54	0.56	6.54	0.66	7.54	0.74	8.00	0.80	8.71	0.81	9.32	0.82	9.61	0.83
	14	5.54	0.57	6.54	0.67	7.54	0.75	8.00	0.82	8.71	0.83	9.24	0.83	9.52	0.84
	16	5.54	0.58	6.54	0.68	7.54	0.77	8.00	0.83	8.71	0.84	9.16	0.85	9.44	0.86
	18	5.54	0.59	6.54	0.69	7.54	0.78	8.00	0.85	8.71	0.86	9.07	0.86	9.35	0.87
	19	5.54	0.60	6.54	0.71	7.54	0.79	8.00	0.86	8.71	0.87	8.99	0.88	9.27	0.89
	21	5.54	0.61	6.54	0.72	7.54	0.81	8.00	0.88	8.71	0.88	8.91	0.89	9.18	0.90
	23	5.54	0.62	6.54	0.73	7.54	0.82	8.00	0.89	8.71	0.90	8.82	0.91	9.09	0.92
	25	5.54	0.64	6.54	0.75	7.54	0.85	8.00	0.92	8.63	0.93	8.74	0.94	9.01	0.95
	27	5.54	0.65	6.54	0.77	7.54	0.86	8.00	0.93	8.55	0.94	8.66	0.95	8.92	0.96
	29	5.54	0.80	6.54	0.94	7.54	1.06	8.00	1.15	8.47	1.16	8.57	1.17	8.84	1.18
	31	5.54	0.90	6.54	1.06	7.54	1.19	8.00	1.29	8.38	1.31	8.49	1.32	8.75	1.33
	33	5.54	0.95	6.54	1.12	7.54	1.25	8.00	1.36	8.22	1.38	8.41	1.39	8.66	1.41
	35	5.54	1.01	6.54	1.18	7.54	1.32	8.00	1.44	8.14	1.45	8.32	1.46	8.58	1.48
	37	5.54	1.05	6.54	1.23	7.54	1.38	7.84	1.50	7.98	1.51	8.07	1.51	8.24	1.52
	39	5.54	1.09	6.54	1.27	7.54	1.43	7.78	1.55	7.90	1.56	7.99	1.58	8.06	1.59
	41	5.54	1.13	6.54	1.32	7.54	1.48	7.76	1.61	7.81	1.62	7.91	1.64	7.98	1.65
	43	5.54	1.19	6.54	1.39	7.54	1.56	7.68	1.69	7.73	1.71	7.82	1.73	7.94	1.73
	46	5.54	1.24	6.54	1.45	7.54	1.63	7.53	1.77	7.58	1.78	7.59	1.78	7.62	1.78
	48	5.54	1.28	6.54	1.50	7.54	1.68	7.47	1.83	7.50	1.84	7.51	1.86	7.46	1.86
	50	5.54	1.33	6.54	1.56	7.54	1.75	7.45	1.90	7.42	1.92	7.43	1.93	7.38	1.94

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR160ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	34.17	5.89	40.33	6.90	46.50	7.74	49.34	8.41	53.72	8.50	57.50	8.58	59.79	8.66
	12	34.17	6.00	40.33	7.02	46.50	7.88	49.34	8.56	53.72	8.65	57.50	8.74	59.26	8.82
	14	34.17	6.10	40.33	7.15	46.50	8.02	49.34	8.72	53.72	8.80	56.98	8.89	58.73	8.98
	16	34.17	6.21	40.33	7.27	46.50	8.16	49.34	8.87	53.72	8.96	56.47	9.05	58.20	9.14
	18	34.17	6.32	40.33	7.40	46.50	8.30	49.34	9.02	53.72	9.11	55.96	9.20	57.67	9.29
	19	34.17	6.42	40.33	7.52	45.11	8.44	49.34	9.18	53.72	9.27	55.44	9.36	57.14	9.45
	21	34.17	6.53	40.33	7.65	46.50	8.58	49.34	9.33	53.72	9.42	54.93	9.52	56.61	9.61
	23	34.17	6.64	40.33	7.78	46.50	8.72	49.34	9.48	53.72	9.58	54.42	9.67	56.08	9.77
	25	34.17	6.85	40.33	8.03	46.50	9.01	49.34	9.79	53.21	9.89	53.90	9.98	55.55	10.08
	27	34.17	6.96	40.33	8.15	46.50	9.15	49.34	9.94	52.71	10.04	53.39	10.14	55.03	10.24
	29	34.17	8.56	40.33	10.03	46.50	11.26	49.34	12.24	52.21	12.36	52.88	12.48	54.50	12.60
	31	34.17	9.64	40.33	11.29	46.50	12.66	49.34	13.76	51.71	13.90	52.36	14.04	53.97	14.18
	33	34.17	10.17	40.33	11.91	46.50	13.37	49.34	14.53	50.70	14.67	51.85	14.82	53.44	14.97
	35	34.17	10.71	40.33	12.54	46.50	14.07	49.34	15.29	50.20	15.45	51.34	15.60	52.91	15.75
	37	34.17	11.17	40.33	13.09	46.50	14.68	48.35	15.96	49.20	16.04	49.80	16.12	50.79	16.20
	39	34.17	11.56	40.33	13.54	46.50	15.20	48.01	16.52	48.70	16.61	49.28	16.82	49.73	16.93
	41	34.17	12.03	40.33	14.10	46.50	15.82	47.86	17.19	48.19	17.30	48.77	17.47	49.21	17.61
	43	34.17	12.63	40.33	14.80	46.50	16.60	47.37	18.05	47.69	18.23	48.26	18.38	48.94	18.46
	46	34.17	13.18	40.33	15.44	46.50	17.33	46.42	18.83	46.74	18.93	46.81	18.99	46.98	18.99
	48	34.17	13.64	40.33	15.98	46.50	17.93	46.09	19.49	46.26	19.59	46.33	19.81	46.00	19.85
	50	34.17	14.20	40.33	16.63	46.50	18.66	45.94	20.28	45.78	20.41	45.84	20.58	45.51	20.64
120%	10	33.61	5.83	39.68	6.83	45.74	7.66	48.54	8.33	52.84	8.41	56.56	8.50	58.81	8.58
	12	33.61	5.94	39.68	6.95	45.74	7.80	48.54	8.48	52.84	8.57	56.56	8.65	58.29	8.74
	14	33.61	6.04	39.68	7.08	45.74	7.94	48.54	8.63	52.84	8.72	56.06	8.81	57.77	8.89
	16	33.61	6.15	39.68	7.20	45.74	8.08	48.54	8.78	52.84	8.87	55.55	8.96	57.25	9.05
	18	33.61	6.26	39.68	7.33	45.74	8.22	48.54	8.94	52.84	9.03	55.05	9.11	56.73	9.20
	19	33.61	6.36	39.68	7.45	45.74	8.36	48.54	9.09	52.84	9.18	54.54	9.27	56.21	9.36
	21	33.61	6.47	39.68	7.58	45.74	8.50	48.54	9.24	52.84	9.33	54.04	9.42	55.69	9.52
	23	33.61	6.57	39.68	7.70	45.74	8.64	48.54	9.39	52.84	9.48	53.53	9.58	55.17	9.67
	25	33.61	6.79	39.68	7.95	45.74	8.92	48.54	9.69	52.35	9.79	53.03	9.89	54.65	9.98
	27	33.61	6.89	39.68	8.07	45.74	9.06	48.54	9.84	51.85	9.94	52.52	10.04	54.13	10.14
	29	33.61	8.48	39.68	9.94	45.74	11.15	48.54	12.12	51.36	12.24	52.02	12.36	53.61	12.48
	31	33.61	9.54	39.68	11.18	45.74	12.54	48.54	13.63	50.87	13.77	51.51	13.90	53.09	14.04
	33	33.61	10.07	39.68	11.80	45.74	13.24	48.54	14.39	49.88	14.53	51.01	14.68	52.57	14.82
	35	33.61	10.60	39.68	12.42	45.74	13.93	48.54	15.15	49.39	15.30	50.50	15.45	52.05	15.60
	37	33.61	11.06	39.68	12.96	45.74	14.54	47.57	15.81	48.40	15.89	48.99	15.97	49.97	16.05
	39	33.61	11.45	39.68	13.41	45.74	15.05	47.23	16.36	47.90	16.44	48.48	16.65	48.92	16.77
	41	33.61	11.92	39.68	13.96	45.74	15.66	47.08	17.02	47.41	17.13	47.98	17.30	48.40	17.44
	43	33.61	12.51	39.68	14.65	45.74	16.44	46.59	17.87	46.92	18.05	47.47	18.20	48.14	18.28
	46	33.61	13.06	39.68	15.29	45.74	17.16	45.66	18.65	45.98	18.75	46.05	18.81	46.22	18.81
	48	33.61	13.51	39.68	15.83	45.74	17.76	45.34	19.30	45.51	19.40	45.57	19.62	45.26	19.65
	50	33.61	14.06	39.68	16.47	45.74	18.48	45.20	20.09	45.04	20.22	45.10	20.38	44.77	20.44
110%	10	33.05	5.69	39.02	6.67	44.99	7.48	47.73	8.13	51.97	8.21	55.63	8.29	57.84	8.38
	12	33.05	5.80	39.02	6.79	44.99	7.62	47.73	8.28	51.97	8.36	55.63	8.45	57.33	8.53
	14	33.05	5.90	39.02	6.91	44.99	7.75	47.73	8.43	51.97	8.51	55.13	8.60	56.82	8.68
	16	33.05	6.00	39.02	7.03	44.99	7.89	47.73	8.58	51.97	8.66	54.63	8.75	56.30	8.83
	18	33.05	6.11	39.02	7.15	44.99	8.03	47.73	8.72	51.97	8.81	54.14	8.90	55.79	8.98
	19	33.05	6.21	39.02	7.27	44.99	8.16	47.73	8.87	51.97	8.96	53.64	9.05	55.28	9.14
	21	33.05	6.31	39.02	7.40	44.99	8.30	47.73	9.02	51.97	9.11	53.14	9.20	54.77	9.29
	23	33.05	6.42	39.02	7.52	44.99	8.43	47.73	9.17	51.97	9.26	52.65	9.35	54.26	9.44
	25	33.05	6.62	39.02	7.76	44.99	8.71	47.73	9.46	51.48	9.56	52.15	9.65	53.74	9.75
	27	33.05	6.73	39.02	7.88	44.99	8.84	47.73	9.61	51.00	9.71	51.65	9.80	53.23	9.90
	29	33.05	8.28	39.02	9.70	44.99	10.88	47.73	11.83	50.51	11.95	51.16	12.06	52.72	12.18
	31	33.05	9.31	39.02	10.91	44.99	12.24	47.73	13.31	50.02	13.44	50.66	13.57	52.21	13.71
	33	33.05	9.83	39.02	11.52	44.99	12.92	47.73	14.05	49.05	14.19	50.16	14.33	51.70	14.47
	35	33.05	10.35	39.02	12.12	44.99	13.60	47.73	14.78	48.57	14.93	49.67	15.08	51.19	15.23
	37	33.05	10.80	39.02	12.65	44.99	14.20	46.78	15.43	47.60	15.51	48.18	15.59	49.14	15.66
	39	33.05	11.18	39.02	13.09	44.99	14.69	46.44	15.97	47.11	16.05	47.68	16.26	48.11	16.37
	41	33.05	11.63	39.02	13.63	44.99	15.29	46.30	16.62	46.62	16.72	47.18	16.89	47.60	17.03
	43	33.05	12.21	39.02	14.31	44.99	16.05	45.82	17.45	46.14	17.62	46.69	17.76	47.35	17.85
	46	33.05	12.74	39.02	14.93	44.99	16.75	44.91	18.21	45.22	18.30	45.28	18.36	45.45	18.36
	48	33.05	13.19	39.02	15.45	44.99	17.33	44.59	18.84	44.75	18.94	44.82	19.15	44.51	19.19
	50	33.05	13.73	39.02	16.08	44.99	18.04	44.45	19.61	44.29	19.74	44.35	19.90	44.03	19.95

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	31.16	5.39	36.79	6.31	42.41	7.08	45.00	7.70	48.99	7.78	52.44	7.85	54.53	7.93
	12	31.16	5.49	36.79	6.43	42.41	7.21	45.00	7.84	48.99	7.92	52.44	8.00	54.05	8.08
	14	31.16	5.59	36.79	6.54	42.41	7.34	45.00	7.98	48.99	8.06	51.97	8.14	53.56	8.22
	16	31.16	5.68	36.79	6.66	42.41	7.47	45.00	8.12	48.99	8.20	51.50	8.28	53.08	8.36
	18	31.16	5.78	36.79	6.77	42.41	7.60	45.00	8.26	48.99	8.34	51.04	8.43	52.60	8.51
	19	31.16	5.88	36.79	6.89	42.41	7.73	45.00	8.40	48.99	8.48	50.57	8.57	52.12	8.65
	21	31.16	5.98	36.79	7.00	42.41	7.86	45.00	8.54	48.99	8.63	50.10	8.71	51.63	8.80
	23	31.16	6.08	36.79	7.12	42.41	7.99	45.00	8.68	48.99	8.77	49.63	8.85	51.15	8.94
	25	31.16	6.27	36.79	7.35	42.41	8.24	45.00	8.96	48.53	9.05	49.16	9.14	50.67	9.23
	27	31.16	6.37	36.79	7.46	42.41	8.37	45.00	9.10	48.08	9.19	48.70	9.28	50.19	9.37
	29	31.16	7.84	36.79	9.18	42.41	10.30	45.00	11.20	47.62	11.31	48.23	11.42	49.70	11.54
	31	31.16	8.82	36.79	10.33	42.41	11.59	45.00	12.60	47.16	12.73	47.76	12.85	49.22	12.98
	33	31.16	9.31	36.79	10.91	42.41	12.24	45.00	13.30	46.25	13.43	47.29	13.57	48.74	13.70
	35	31.16	9.80	36.79	11.48	42.41	12.88	45.00	14.00	45.79	14.14	46.82	14.28	48.26	14.42
	37	31.16	10.23	36.79	11.98	42.41	13.44	44.10	14.61	44.87	14.69	45.42	14.76	46.33	14.83
	39	31.16	10.58	36.79	12.40	42.41	13.91	43.79	15.12	44.41	15.20	44.95	15.39	45.36	15.50
	41	31.16	11.02	36.79	12.90	42.41	14.48	43.65	15.74	43.96	15.84	44.48	15.99	44.88	16.12
	43	31.16	11.56	36.79	13.55	42.41	15.20	43.20	16.52	43.50	16.69	44.01	16.82	44.64	16.90
	46	31.16	12.07	36.79	14.14	42.41	15.86	42.34	17.24	42.63	17.33	42.69	17.39	42.85	17.38
	48	31.16	12.49	36.79	14.63	42.41	16.41	42.03	17.84	42.19	17.94	42.25	18.13	41.96	18.17
	50	31.16	13.00	36.79	15.23	42.41	17.08	41.90	18.57	41.76	18.69	41.81	18.84	41.51	18.89
90%	10	28.05	4.52	33.11	5.30	38.17	5.95	40.50	6.46	44.09	6.53	47.20	6.59	49.08	6.66
	12	28.05	4.61	33.11	5.40	38.17	6.05	40.50	6.58	44.09	6.65	47.20	6.71	48.64	6.78
	14	28.05	4.69	33.11	5.49	38.17	6.16	40.50	6.70	44.09	6.77	46.78	6.83	48.21	6.90
	16	28.05	4.77	33.11	5.59	38.17	6.27	40.50	6.82	44.09	6.88	46.35	6.95	47.77	7.02
	18	28.05	4.85	33.11	5.69	38.17	6.38	40.50	6.93	44.09	7.00	45.93	7.07	47.34	7.14
	19	28.05	4.94	33.11	5.78	38.17	6.49	40.50	7.05	44.09	7.12	45.51	7.19	46.90	7.26
	21	28.05	5.02	33.11	5.88	38.17	6.59	40.50	7.17	44.09	7.24	45.09	7.31	46.47	7.38
	23	28.05	5.10	33.11	5.97	38.17	6.70	40.50	7.29	44.09	7.36	44.67	7.43	46.04	7.50
	25	28.05	5.26	33.11	6.17	38.17	6.92	40.50	7.52	43.68	7.60	44.25	7.67	45.60	7.75
	27	28.05	5.35	33.11	6.26	38.17	7.03	40.50	7.64	43.27	7.71	43.83	7.79	45.17	7.87
	29	28.05	6.58	33.11	7.71	38.17	8.65	40.50	9.40	42.86	9.50	43.40	9.59	44.73	9.68
	31	28.05	7.40	33.11	8.67	38.17	9.73	40.50	10.58	42.45	10.68	42.98	10.79	44.30	10.89
	33	28.05	7.81	33.11	9.15	38.17	10.27	40.50	11.16	41.62	11.28	42.56	11.39	43.86	11.50
	35	28.05	8.23	33.11	9.64	38.17	10.81	40.50	11.75	41.21	11.87	42.14	11.99	43.43	12.10
	37	28.05	8.58	33.11	10.06	38.17	11.28	39.69	12.26	40.38	12.33	40.88	12.39	41.69	12.45
	39	28.05	8.88	33.11	10.41	38.17	11.68	39.41	12.69	39.97	12.76	40.45	12.92	40.82	13.01
	41	28.05	9.25	33.11	10.83	38.17	12.15	39.29	13.21	39.56	13.29	40.03	13.42	40.39	13.53
	43	28.05	9.71	33.11	11.37	38.17	12.76	38.88	13.87	39.15	14.01	39.61	14.12	40.17	14.19
	46	28.05	10.13	33.11	11.87	38.17	13.31	38.10	14.47	38.37	14.55	38.42	14.59	38.57	14.59
	48	28.05	10.48	33.11	12.28	38.17	13.78	37.83	14.98	37.97	15.06	38.03	15.22	37.76	15.25
	50	28.05	10.91	33.11	12.78	38.17	14.34	37.71	15.59	37.58	15.69	37.63	15.81	37.36	15.86
80%	10	24.93	3.71	29.43	4.34	33.93	4.87	36.00	5.30	39.19	5.35	41.95	5.40	43.62	5.46
	12	24.93	3.78	29.43	4.42	33.93	4.96	36.00	5.39	39.19	5.45	41.95	5.50	43.24	5.55
	14	24.93	3.84	29.43	4.50	33.93	5.05	36.00	5.49	39.19	5.54	41.58	5.60	42.85	5.65
	16	24.93	3.91	29.43	4.58	33.93	5.14	36.00	5.59	39.19	5.64	41.20	5.70	42.47	5.75
	18	24.93	3.98	29.43	4.66	33.93	5.23	36.00	5.68	39.19	5.74	40.83	5.80	42.08	5.85
	19	24.93	4.04	29.43	4.74	33.93	5.32	36.00	5.78	39.19	5.84	40.45	5.89	41.69	5.95
	21	24.93	4.11	29.43	4.82	33.93	5.40	36.00	5.87	39.19	5.93	40.08	5.99	41.31	6.05
	23	24.93	4.18	29.43	4.90	33.93	5.49	36.00	5.97	39.19	6.03	39.71	6.09	40.92	6.15
	25	24.93	4.31	29.43	5.05	33.93	5.67	36.00	6.16	38.83	6.23	39.33	6.29	40.53	6.35
	27	24.93	4.38	29.43	5.13	33.93	5.76	36.00	6.26	38.46	6.32	38.96	6.38	40.15	6.45
	29	24.93	5.39	29.43	6.32	33.93	7.09	36.00	7.70	38.10	7.78	38.58	7.86	39.76	7.94
	31	24.93	6.07	29.43	7.11	33.93	7.97	36.00	8.67	37.73	8.75	38.21	8.84	39.38	8.93
	33	24.93	6.40	29.43	7.50	33.93	8.42	36.00	9.15	37.00	9.24	37.83	9.33	38.99	9.42
	35	24.93	6.74	29.43	7.90	33.93	8.86	36.00	9.63	36.63	9.73	37.46	9.82	38.60	9.92
	37	24.93	7.04	29.43	8.24	33.93	9.25	35.28	10.05	35.90	10.10	36.33	10.15	37.06	10.20
	39	24.93	7.28	29.43	8.53	33.93	9.57	35.03	10.40	35.53	10.46	35.96	10.59	36.29	10.66
	41	24.93	7.58	29.43	8.88	33.93	9.96	34.92	10.82	35.16	10.89	35.59	11.00	35.90	11.09
	43	24.93	7.95	29.43	9.32	33.93	10.45	34.56	11.36	34.80	11.48	35.21	11.57	35.71	11.63
	46	24.93	8.30	29.43	9.72	33.93	10.91	33.87	11.86	34.10	11.92	34.15	11.96	34.28	11.96
	48	24.93	8.59	29.43	10.06	33.93	11.29	33.63	12.27	33.75	12.34	33.80	12.47	33.57	12.50
	50	24.93	8.94	29.43	10.47	33.93	11.75	33.52	12.77	33.41	12.85	33.45	12.96	33.21	13.00

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

## Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	21.81	2.95	25.75	3.45	29.69	3.87	31.50	4.21	34.29	4.25	36.71	4.30	38.17	4.34
	12	21.81	3.00	25.75	3.52	29.69	3.95	31.50	4.29	34.29	4.33	36.71	4.37	37.83	4.42
	14	21.81	3.06	25.75	3.58	29.69	4.02	31.50	4.36	34.29	4.41	36.38	4.45	37.49	4.50
	16	21.81	3.11	25.75	3.64	29.69	4.09	31.50	4.44	34.29	4.49	36.05	4.53	37.16	4.57
	18	21.81	3.16	25.75	3.70	29.69	4.16	31.50	4.52	34.29	4.56	35.73	4.61	36.82	4.65
	19	21.81	3.22	25.75	3.77	29.69	4.23	31.50	4.59	34.29	4.64	35.40	4.69	36.48	4.73
	21	21.81	3.27	25.75	3.83	29.69	4.30	31.50	4.67	34.29	4.72	35.07	4.76	36.14	4.81
	23	21.81	3.32	25.75	3.89	29.69	4.37	31.50	4.75	34.29	4.80	34.74	4.84	35.81	4.89
	25	21.81	3.43	25.75	4.02	29.69	4.51	31.50	4.90	33.97	4.95	34.41	5.00	35.47	5.05
	27	21.81	3.48	25.75	4.08	29.69	4.58	31.50	4.98	33.65	5.03	34.09	5.08	35.13	5.13
	29	21.81	4.29	25.75	5.02	29.69	5.64	31.50	6.13	33.33	6.19	33.76	6.25	34.79	6.31
	31	21.81	4.82	25.75	5.65	29.69	6.34	31.50	6.89	33.01	6.96	33.43	7.03	34.45	7.10
	33	21.81	5.09	25.75	5.97	29.69	6.69	31.50	7.27	32.37	7.35	33.10	7.42	34.12	7.49
	35	21.81	5.36	25.75	6.28	29.69	7.04	31.50	7.66	32.05	7.73	32.78	7.81	33.78	7.89
	37	21.81	5.59	25.75	6.55	29.69	7.35	30.87	7.99	31.41	8.03	31.79	8.07	32.43	8.11
	39	21.81	5.79	25.75	6.78	29.69	7.61	30.65	8.27	31.09	8.31	31.46	8.42	31.75	8.48
	41	21.81	6.02	25.75	7.06	29.69	7.92	30.56	8.61	30.77	8.66	31.14	8.75	31.41	8.82
	43	21.81	6.33	25.75	7.41	29.69	8.31	30.24	9.04	30.45	9.13	30.81	9.20	31.25	9.24
	46	21.81	6.60	25.75	7.73	29.69	8.68	29.64	9.43	29.84	9.48	29.88	9.51	30.00	9.51
	48	21.81	6.83	25.75	8.00	29.69	8.98	29.42	9.76	29.54	9.81	29.58	9.92	29.37	9.94
	50	21.81	7.11	25.75	8.33	29.69	9.34	29.33	10.16	29.23	10.22	29.27	10.31	29.06	10.33
60%	10	18.70	2.24	22.07	2.62	25.45	2.94	27.00	3.20	29.40	3.23	31.46	3.26	32.72	3.29
	12	18.70	2.28	22.07	2.67	25.45	2.99	27.00	3.25	29.40	3.29	31.46	3.32	32.43	3.35
	14	18.70	2.32	22.07	2.72	25.45	3.05	27.00	3.31	29.40	3.35	31.18	3.38	32.14	3.41
	16	18.70	2.36	22.07	2.76	25.45	3.10	27.00	3.37	29.40	3.40	30.90	3.44	31.85	3.47
	18	18.70	2.40	22.07	2.81	25.45	3.15	27.00	3.43	29.40	3.46	30.62	3.50	31.56	3.53
	19	18.70	2.44	22.07	2.86	25.45	3.21	27.00	3.49	29.40	3.52	30.34	3.56	31.27	3.59
	21	18.70	2.48	22.07	2.91	25.45	3.26	27.00	3.55	29.40	3.58	30.06	3.62	30.98	3.65
	23	18.70	2.52	22.07	2.95	25.45	3.32	27.00	3.60	29.40	3.64	29.78	3.68	30.69	3.71
	25	18.70	2.60	22.07	3.05	25.45	3.42	27.00	3.72	29.12	3.76	29.50	3.79	30.40	3.83
	27	18.70	2.64	22.07	3.10	25.45	3.48	27.00	3.78	28.85	3.82	29.22	3.85	30.11	3.89
	29	18.70	3.25	22.07	3.81	25.45	4.28	27.00	4.65	28.57	4.70	28.94	4.74	29.82	4.79
	31	18.70	3.66	22.07	4.29	25.45	4.81	27.00	5.23	28.30	5.28	28.66	5.34	29.53	5.39
	33	18.70	3.87	22.07	4.53	25.45	5.08	27.00	5.52	27.75	5.58	28.37	5.63	29.24	5.69
	35	18.70	4.07	22.07	4.77	25.45	5.35	27.00	5.81	27.47	5.87	28.09	5.93	28.95	5.99
	37	18.70	4.25	22.07	4.97	25.45	5.58	26.46	6.07	26.92	6.10	27.25	6.13	27.80	6.16
	39	18.70	4.39	22.07	5.15	25.45	5.77	26.27	6.28	26.65	6.31	26.97	6.39	27.22	6.44
	41	18.70	4.57	22.07	5.36	25.45	6.01	26.19	6.53	26.37	6.57	26.69	6.64	26.93	6.69
	43	18.70	4.80	22.07	5.62	25.45	6.31	25.92	6.86	26.10	6.93	26.41	6.98	26.78	7.02
	46	18.70	5.01	22.07	5.87	25.45	6.58	25.40	7.16	25.58	7.19	25.62	7.22	25.71	7.22
	48	18.70	5.18	22.07	6.07	25.45	6.81	25.22	7.41	25.32	7.45	25.35	7.53	25.18	7.54
	50	18.70	5.40	22.07	6.32	25.45	7.09	25.14	7.71	25.05	7.76	25.09	7.82	24.91	7.84
50%	10	15.58	1.58	18.39	1.85	21.21	2.07	22.50	2.25	24.50	2.27	26.22	2.30	27.26	2.32
	12	15.58	1.60	18.39	1.88	21.21	2.11	22.50	2.29	24.50	2.32	26.22	2.34	27.02	2.36
	14	15.58	1.63	18.39	1.91	21.21	2.15	22.50	2.33	24.50	2.36	25.99	2.38	26.78	2.40
	16	15.58	1.66	18.39	1.95	21.21	2.18	22.50	2.37	24.50	2.40	25.75	2.42	26.54	2.45
	18	15.58	1.69	18.39	1.98	21.21	2.22	22.50	2.42	24.50	2.44	25.52	2.46	26.30	2.49
	19	15.58	1.72	18.39	2.01	21.21	2.26	22.50	2.46	24.50	2.48	25.28	2.51	26.06	2.53
	21	15.58	1.75	18.39	2.05	21.21	2.30	22.50	2.50	24.50	2.52	25.05	2.55	25.82	2.57
	23	15.58	1.78	18.39	2.08	21.21	2.34	22.50	2.54	24.50	2.56	24.82	2.59	25.58	2.61
	25	15.58	1.83	18.39	2.15	21.21	2.41	22.50	2.62	24.27	2.65	24.58	2.67	25.33	2.70
	27	15.58	1.86	18.39	2.18	21.21	2.45	22.50	2.66	24.04	2.69	24.35	2.71	25.09	2.74
	29	15.58	2.29	18.39	2.69	21.21	3.01	22.50	3.28	23.81	3.31	24.11	3.34	24.85	3.37
	31	15.58	2.58	18.39	3.02	21.21	3.39	22.50	3.68	23.58	3.72	23.88	3.76	24.61	3.80
	33	15.58	2.72	18.39	3.19	21.21	3.58	22.50	3.89	23.12	3.93	23.65	3.97	24.37	4.01
	35	15.58	2.87	18.39	3.36	21.21	3.77	22.50	4.09	22.89	4.13	23.41	4.18	24.13	4.22
	37	15.58	2.99	18.39	3.50	21.21	3.93	22.05	4.27	22.44	4.29	22.71	4.32	23.16	4.34
	39	15.58	3.10	18.39	3.63	21.21	4.07	21.89	4.42	22.21	4.44	22.47	4.50	22.68	4.53
	41	15.58	3.22	18.39	3.77	21.21	4.23	21.83	4.60	21.98	4.63	22.24	4.68	22.44	4.71
	43	15.58	3.38	18.39	3.96	21.21	4.44	21.60	4.83	21.75	4.88	22.01	4.92	22.32	4.94
	46	15.58	3.53	18.39	4.13	21.21	4.64	21.17	5.04	21.31	5.07	21.35	5.08	21.43	5.08
	48	15.58	3.65	18.39	4.28	21.21	4.80	21.02	5.22	21.10	5.25	21.13	5.30	20.98	5.31
	50	15.58	3.80	18.39	4.45	21.21	5.00	20.95	5.43	20.88	5.46	20.91	5.51	20.76	5.53

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	12.47	1.25	14.72	1.46	16.97	1.64	18.00	1.79	19.60	1.80	20.98	1.82	21.81	1.84
	12	12.47	1.27	14.72	1.49	16.97	1.67	18.00	1.82	19.60	1.84	20.98	1.85	21.62	1.87
	14	12.47	1.29	14.72	1.52	16.97	1.70	18.00	1.85	19.60	1.87	20.79	1.89	21.43	1.91
	16	12.47	1.32	14.72	1.54	16.97	1.73	18.00	1.88	19.60	1.90	20.60	1.92	21.23	1.94
	18	12.47	1.34	14.72	1.57	16.97	1.76	18.00	1.91	19.60	1.93	20.41	1.95	21.04	1.97
	19	12.47	1.36	14.72	1.60	16.97	1.79	18.00	1.95	19.60	1.97	20.23	1.99	20.85	2.01
	21	12.47	1.39	14.72	1.62	16.97	1.82	18.00	1.98	19.60	2.00	20.04	2.02	20.65	2.04
	23	12.47	1.41	14.72	1.65	16.97	1.85	18.00	2.01	19.60	2.03	19.85	2.05	20.46	2.07
	25	12.47	1.45	14.72	1.70	16.97	1.91	18.00	2.08	19.41	2.10	19.67	2.12	20.27	2.14
	27	12.47	1.48	14.72	1.73	16.97	1.94	18.00	2.11	19.23	2.13	19.48	2.15	20.07	2.17
	29	12.47	1.82	14.72	2.13	16.97	2.39	18.00	2.60	19.05	2.62	19.29	2.65	19.88	2.67
	31	12.47	2.04	14.72	2.40	16.97	2.69	18.00	2.92	18.86	2.95	19.10	2.98	19.69	3.01
	33	12.47	2.16	14.72	2.53	16.97	2.84	18.00	3.08	18.50	3.11	18.92	3.14	19.50	3.18
	35	12.47	2.27	14.72	2.66	16.97	2.99	18.00	3.25	18.32	3.28	18.73	3.31	19.30	3.34
	37	12.47	2.37	14.72	2.78	16.97	3.12	17.64	3.39	17.95	3.40	18.17	3.42	18.53	3.44
	39	12.47	2.45	14.72	2.87	16.97	3.22	17.51	3.51	17.77	3.52	17.98	3.57	18.14	3.59
	41	12.47	2.55	14.72	2.99	16.97	3.36	17.46	3.65	17.58	3.67	17.79	3.71	17.95	3.74
	43	12.47	2.68	14.72	3.14	16.97	3.52	17.28	3.83	17.40	3.87	17.61	3.90	17.85	3.92
	46	12.47	2.80	14.72	3.28	16.97	3.68	16.93	4.00	17.05	4.02	17.08	4.03	17.14	4.03
	48	12.47	2.90	14.72	3.39	16.97	3.81	16.81	4.14	16.88	4.16	16.90	4.20	16.78	4.21
	50	12.47	3.01	14.72	3.53	16.97	3.96	16.76	4.30	16.70	4.33	16.72	4.37	16.60	4.38
30%	10	9.35	1.14	11.04	1.34	12.72	1.50	13.50	1.63	14.70	1.65	15.73	1.67	16.36	1.68
	12	9.35	1.16	11.04	1.36	12.72	1.53	13.50	1.66	14.70	1.68	15.73	1.70	16.21	1.71
	14	9.35	1.18	11.04	1.39	12.72	1.56	13.50	1.69	14.70	1.71	15.59	1.73	16.07	1.74
	16	9.35	1.21	11.04	1.41	12.72	1.58	13.50	1.72	14.70	1.74	15.45	1.76	15.92	1.77
	18	9.35	1.23	11.04	1.44	12.72	1.61	13.50	1.75	14.70	1.77	15.31	1.79	15.78	1.80
	19	9.35	1.25	11.04	1.46	12.72	1.64	13.50	1.78	14.70	1.80	15.17	1.82	15.63	1.84
	21	9.35	1.27	11.04	1.49	12.72	1.67	13.50	1.81	14.70	1.83	15.03	1.85	15.49	1.87
	23	9.35	1.29	11.04	1.51	12.72	1.69	13.50	1.84	14.70	1.86	14.89	1.88	15.35	1.90
	25	9.35	1.33	11.04	1.56	12.72	1.75	13.50	1.90	14.56	1.92	14.75	1.94	15.20	1.96
	27	9.35	1.35	11.04	1.58	12.72	1.78	13.50	1.93	14.42	1.95	14.61	1.97	15.06	1.99
	29	9.35	1.66	11.04	1.95	12.72	2.19	13.50	2.38	14.29	2.40	14.47	2.42	14.91	2.45
	31	9.35	1.87	11.04	2.19	12.72	2.46	13.50	2.67	14.15	2.70	14.33	2.73	14.77	2.75
	33	9.35	1.97	11.04	2.31	12.72	2.60	13.50	2.82	13.87	2.85	14.19	2.88	14.62	2.91
	35	9.35	2.08	11.04	2.44	12.72	2.73	13.50	2.97	13.74	3.00	14.05	3.03	14.48	3.06
	37	9.35	2.17	11.04	2.54	12.72	2.85	13.23	3.10	13.46	3.12	13.63	3.13	13.90	3.15
	39	9.35	2.25	11.04	2.63	12.72	2.95	13.14	3.21	13.32	3.22	13.48	3.27	13.61	3.29
	41	9.35	2.34	11.04	2.74	12.72	3.07	13.10	3.34	13.19	3.36	13.34	3.39	13.46	3.42
	43	9.35	2.45	11.04	2.87	12.72	3.22	12.96	3.50	13.05	3.54	13.20	3.57	13.39	3.58
	46	9.35	2.56	11.04	3.00	12.72	3.36	12.70	3.66	12.79	3.68	12.81	3.69	12.86	3.69
	48	9.35	2.65	11.04	3.10	12.72	3.48	12.61	3.78	12.66	3.80	12.68	3.85	12.59	3.85
	50	9.35	2.76	11.04	3.23	12.72	3.62	12.57	3.94	12.53	3.96	12.54	4.00	12.45	4.01
20%	10	6.23	0.66	7.36	0.77	8.48	0.87	9.00	0.95	9.80	0.95	10.49	0.96	10.91	0.97
	12	6.23	0.67	7.36	0.79	8.48	0.89	9.00	0.96	9.80	0.97	10.49	0.98	10.81	0.99
	14	6.23	0.69	7.36	0.80	8.48	0.90	9.00	0.98	9.80	0.99	10.39	1.00	10.71	1.01
	16	6.23	0.70	7.36	0.82	8.48	0.92	9.00	1.00	9.80	1.01	10.30	1.02	10.62	1.03
	18	6.23	0.71	7.36	0.83	8.48	0.93	9.00	1.01	9.80	1.02	10.21	1.03	10.52	1.04
	19	6.23	0.72	7.36	0.85	8.48	0.95	9.00	1.03	9.80	1.04	10.11	1.05	10.42	1.06
	21	6.23	0.73	7.36	0.86	8.48	0.96	9.00	1.05	9.80	1.06	10.02	1.07	10.33	1.08
	23	6.23	0.75	7.36	0.87	8.48	0.98	9.00	1.07	9.80	1.08	9.93	1.09	10.23	1.10
	25	6.23	0.77	7.36	0.90	8.48	1.01	9.00	1.10	9.71	1.11	9.83	1.12	10.13	1.13
	27	6.23	0.78	7.36	0.92	8.48	1.03	9.00	1.12	9.62	1.13	9.74	1.14	10.04	1.15
	29	6.23	0.96	7.36	1.13	8.48	1.26	9.00	1.37	9.52	1.39	9.65	1.40	9.94	1.42
	31	6.23	1.08	7.36	1.27	8.48	1.42	9.00	1.55	9.43	1.56	9.55	1.58	9.84	1.59
	33	6.23	1.14	7.36	1.34	8.48	1.50	9.00	1.63	9.25	1.65	9.46	1.66	9.75	1.68
	35	6.23	1.20	7.36	1.41	8.48	1.58	9.00	1.72	9.16	1.74	9.36	1.75	9.65	1.77
	37	6.23	1.26	7.36	1.47	8.48	1.65	8.82	1.79	8.97	1.80	9.08	1.81	9.27	1.82
	39	6.23	1.30	7.36	1.52	8.48	1.71	8.76	1.86	8.88	1.87	8.99	1.89	9.07	1.90
	41	6.23	1.35	7.36	1.58	8.48	1.78	8.73	1.93	8.79	1.94	8.90	1.96	8.98	1.98
	43	6.23	1.42	7.36	1.66	8.48	1.87	8.64	2.03	8.70	2.05	8.80	2.06	8.93	2.07
	46	6.23	1.48	7.36	1.73	8.48	1.95	8.47	2.12	8.53	2.13	8.54	2.13	8.57	2.13
	48	6.23	1.53	7.36	1.80	8.48	2.01	8.41	2.19	8.44	2.20	8.45	2.23	8.39	2.23
	50	6.23	1.60	7.36	1.87	8.48	2.10	8.38	2.28	8.35	2.29	8.36	2.31	8.30	2.32

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR180ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	37.96	6.18	44.82	7.24	51.67	8.13	54.82	9.45	59.69	8.92	63.89	9.01	66.43	9.10
	12	37.96	6.29	44.82	7.37	51.67	8.27	54.82	9.62	59.69	9.08	63.89	9.17	65.84	9.26
	14	37.96	6.41	44.82	7.51	51.67	8.42	54.82	9.79	59.69	9.24	63.32	9.34	65.25	9.43
	16	37.96	6.52	44.82	7.64	51.67	8.57	54.82	9.97	59.69	9.41	62.75	9.50	64.67	9.59
	18	37.96	6.63	44.82	7.77	51.67	8.72	54.82	10.14	59.69	9.57	62.18	9.66	64.08	9.76
	19	37.96	6.74	44.82	7.90	50.12	8.86	54.82	10.31	59.69	9.73	61.61	9.83	63.49	9.92
	21	37.96	6.86	44.82	8.03	51.67	9.01	54.82	10.48	59.69	9.89	61.03	9.99	62.90	10.09
	23	37.96	6.97	44.82	8.16	51.67	9.16	54.82	10.65	59.69	10.06	60.46	10.16	62.32	10.26
	25	37.96	7.19	44.82	8.43	51.67	9.46	54.82	11.00	59.13	10.38	59.89	10.48	61.73	10.59
	27	37.96	7.31	44.82	8.56	51.67	9.60	54.82	11.17	58.57	10.54	59.32	10.65	61.14	10.75
	29	37.96	8.99	44.82	10.53	51.67	11.82	54.82	13.75	58.01	12.98	58.75	13.10	60.55	13.23
	31	37.96	10.12	44.82	11.85	51.67	13.30	54.82	15.46	57.45	14.60	58.18	14.74	59.96	14.89
	33	37.96	10.68	44.82	12.51	51.67	14.04	54.82	16.32	56.34	15.41	57.61	15.56	59.38	15.71
	35	37.96	11.24	44.82	13.17	51.67	14.77	54.82	17.18	55.78	16.22	57.04	16.38	58.79	16.54
	37	37.96	11.73	44.82	13.74	51.67	15.42	53.73	17.93	54.67	16.85	55.33	16.93	56.44	17.01
	39	37.96	12.14	44.82	14.22	51.67	15.96	53.34	18.56	54.11	17.44	54.76	17.66	55.26	17.78
	41	37.96	12.63	44.82	14.80	51.67	16.61	53.18	19.31	53.55	18.17	54.19	18.35	54.67	18.49
	43	37.96	13.26	44.82	15.54	51.67	17.43	52.63	20.28	52.99	19.14	53.62	19.30	54.38	19.39
	46	37.96	13.84	44.82	16.22	51.67	18.19	51.58	21.16	51.93	19.88	52.01	19.94	52.20	19.94
	48	37.96	14.33	44.82	16.78	51.67	18.83	51.21	21.90	51.40	20.57	51.47	20.80	51.12	20.84
	50	37.96	14.91	44.82	17.47	51.67	19.59	51.05	22.79	50.87	21.44	50.94	21.61	50.57	21.67
120%	10	37.35	6.12	44.09	7.17	50.83	8.05	53.93	9.36	58.71	8.83	62.85	8.92	65.35	9.01
	12	37.35	6.23	44.09	7.30	50.83	8.19	53.93	9.53	58.71	8.99	62.85	9.08	64.77	9.17
	14	37.35	6.35	44.09	7.43	50.83	8.34	53.93	9.70	58.71	9.16	62.29	9.25	64.19	9.34
	16	37.35	6.46	44.09	7.56	50.83	8.49	53.93	9.87	58.71	9.32	61.72	9.41	63.61	9.50
	18	37.35	6.57	44.09	7.69	50.83	8.63	53.93	10.04	58.71	9.48	61.16	9.57	63.04	9.66
	19	37.35	6.68	44.09	7.82	50.83	8.78	53.93	10.21	58.71	9.64	60.60	9.73	62.46	9.83
	21	37.35	6.79	44.09	7.95	50.83	8.92	53.93	10.38	58.71	9.80	60.04	9.89	61.88	9.99
	23	37.35	6.90	44.09	8.08	50.83	9.07	53.93	10.55	58.71	9.96	59.48	10.06	61.30	10.16
	25	37.35	7.12	44.09	8.35	50.83	9.36	53.93	10.89	58.16	10.28	58.92	10.38	60.72	10.48
	27	37.35	7.24	44.09	8.48	50.83	9.51	53.93	11.06	57.62	10.44	58.36	10.54	60.14	10.65
	29	37.35	8.91	44.09	10.43	50.83	11.70	53.93	13.61	57.07	12.85	57.80	12.98	59.57	13.10
	31	37.35	10.02	44.09	11.74	50.83	13.17	53.93	15.31	56.52	14.46	57.23	14.60	58.99	14.74
	33	37.35	10.58	44.09	12.39	50.83	13.90	53.93	16.17	55.42	15.26	56.67	15.41	58.41	15.56
	35	37.35	11.13	44.09	13.04	50.83	14.63	53.93	17.02	54.87	16.06	56.11	16.22	57.83	16.38
	37	37.35	11.62	44.09	13.61	50.83	15.27	52.85	17.76	53.77	16.68	54.43	16.77	55.52	16.85
	39	37.35	12.02	44.09	14.08	50.83	15.80	52.47	18.38	53.23	17.27	53.87	17.49	54.36	17.61
	41	37.35	12.51	44.09	14.66	50.83	16.44	52.31	19.13	52.68	17.99	53.31	18.17	53.78	18.31
	43	37.35	13.14	44.09	15.39	50.83	17.26	51.77	20.08	52.13	18.95	52.75	19.11	53.49	19.20
	46	37.35	13.71	44.09	16.06	50.83	18.02	50.74	20.95	51.09	19.68	51.16	19.75	51.35	19.75
	48	37.35	14.19	44.09	16.62	50.83	18.65	50.37	21.69	50.56	20.37	50.64	20.60	50.28	20.64
	50	37.35	14.76	44.09	17.30	50.83	19.40	50.22	22.57	50.04	21.23	50.11	21.40	49.75	21.46
110%	10	36.73	5.98	43.36	7.00	49.99	7.86	53.04	9.14	57.74	8.62	61.81	8.71	64.27	8.79
	12	36.73	6.09	43.36	7.13	49.99	8.00	53.04	9.30	57.74	8.78	61.81	8.87	63.70	8.95
	14	36.73	6.19	43.36	7.26	49.99	8.14	53.04	9.47	57.74	8.94	61.25	9.03	63.13	9.11
	16	36.73	6.30	43.36	7.38	49.99	8.28	53.04	9.63	57.74	9.09	60.70	9.18	62.56	9.27
	18	36.73	6.41	43.36	7.51	49.99	8.43	53.04	9.80	57.74	9.25	60.15	9.34	61.99	9.43
	19	36.73	6.52	43.36	7.64	49.99	8.57	53.04	9.97	57.74	9.41	59.60	9.50	61.42	9.59
	21	36.73	6.63	43.36	7.77	49.99	8.71	53.04	10.13	57.74	9.56	59.05	9.66	60.85	9.75
	23	36.73	6.74	43.36	7.89	49.99	8.85	53.04	10.30	57.74	9.72	58.49	9.82	60.29	9.91
	25	36.73	6.95	43.36	8.15	49.99	9.14	53.04	10.63	57.20	10.03	57.94	10.13	59.72	10.23
	27	36.73	7.06	43.36	8.27	49.99	9.28	53.04	10.80	56.66	10.19	57.39	10.29	59.15	10.39
	29	36.73	8.69	43.36	10.18	49.99	11.43	53.04	13.29	56.12	12.54	56.84	12.67	58.58	12.79
	31	36.73	9.78	43.36	11.46	49.99	12.85	53.04	14.95	55.58	14.11	56.29	14.25	58.01	14.39
	33	36.73	10.32	43.36	12.09	49.99	13.57	53.04	15.78	54.50	14.90	55.74	15.04	57.44	15.19
	35	36.73	10.87	43.36	12.73	49.99	14.28	53.04	16.61	53.96	15.68	55.18	15.83	56.87	15.99
	37	36.73	11.34	43.36	13.28	49.99	14.90	51.98	17.34	52.88	16.28	53.53	16.37	54.60	16.45
	39	36.73	11.74	43.36	13.75	49.99	15.42	51.60	17.94	52.34	16.86	52.98	17.07	53.46	17.19
	41	36.73	12.21	43.36	14.31	49.99	16.05	51.44	18.67	51.81	17.56	52.42	17.73	52.89	17.88
	43	36.73	12.82	43.36	15.02	49.99	16.85	50.91	19.60	51.27	18.50	51.87	18.65	52.61	18.74
	46	36.73	13.38	43.36	15.68	49.99	17.59	49.90	20.46	50.24	19.22	50.32	19.28	50.50	19.28
	48	36.73	13.85	43.36	16.22	49.99	18.20	49.54	21.17	49.73	19.89	49.80	20.11	49.45	20.15
	50	36.73	14.41	43.36	16.88	49.99	18.94	49.39	22.03	49.22	20.72	49.28	20.89	48.92	20.95

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	34.63	5.66	40.88	6.63	47.13	7.44	50.00	8.09	54.44	8.17	58.27	8.25	60.59	8.33
	12	34.63	5.76	40.88	6.75	47.13	7.57	50.00	8.23	54.44	8.31	58.27	8.40	60.05	8.48
	14	34.63	5.87	40.88	6.87	47.13	7.71	50.00	8.38	54.44	8.46	57.75	8.55	59.52	8.63
	16	34.63	5.97	40.88	6.99	47.13	7.84	50.00	8.53	54.44	8.61	57.23	8.70	58.98	8.78
	18	34.63	6.07	40.88	7.11	47.13	7.98	50.00	8.67	54.44	8.76	56.71	8.85	58.44	8.93
	19	34.63	6.17	40.88	7.23	47.13	8.11	50.00	8.82	54.44	8.91	56.19	9.00	57.91	9.08
	21	34.63	6.28	40.88	7.35	47.13	8.25	50.00	8.97	54.44	9.06	55.67	9.15	57.37	9.24
	23	34.63	6.38	40.88	7.47	47.13	8.38	50.00	9.11	54.44	9.21	55.15	9.30	56.83	9.39
	25	34.63	6.59	40.88	7.71	47.13	8.66	50.00	9.41	53.93	9.50	54.63	9.60	56.30	9.69
	27	34.63	6.69	40.88	7.84	47.13	8.79	50.00	9.56	53.42	9.65	54.11	9.75	55.76	9.84
	29	34.63	8.23	40.88	9.64	47.13	10.82	50.00	11.76	52.91	11.88	53.59	12.00	55.23	12.11
	31	34.63	9.26	40.88	10.85	47.13	12.17	50.00	13.23	52.40	13.36	53.07	13.49	54.69	13.63
	33	34.63	9.78	40.88	11.45	47.13	12.85	50.00	13.97	51.38	14.10	52.55	14.24	54.15	14.38
	35	34.63	10.29	40.88	12.05	47.13	13.52	50.00	14.70	50.88	14.85	52.03	14.99	53.62	15.14
	37	34.63	10.74	40.88	12.58	47.13	14.11	49.00	15.34	49.86	15.42	50.46	15.50	51.47	15.57
	39	34.63	11.11	40.88	13.02	47.13	14.61	48.65	15.88	49.35	15.96	49.94	16.16	50.40	16.28
	41	34.63	11.57	40.88	13.55	47.13	15.20	48.50	16.52	48.84	16.63	49.42	16.79	49.86	16.93
	43	34.63	12.14	40.88	14.22	47.13	15.96	48.00	17.35	48.33	17.52	48.90	17.66	49.60	17.75
	46	34.63	12.67	40.88	14.84	47.13	16.65	47.04	18.10	47.36	18.20	47.44	18.26	47.61	18.25
	48	34.63	13.11	40.88	15.36	47.13	17.23	46.70	18.73	46.88	18.83	46.95	19.04	46.62	19.08
	50	34.63	13.65	40.88	15.99	47.13	17.94	46.56	19.50	46.40	19.62	46.46	19.78	46.12	19.84
90%	10	31.16	4.75	36.79	5.56	42.41	6.24	45.00	7.26	48.99	6.85	52.44	6.92	54.53	6.99
	12	31.16	4.84	36.79	5.67	42.41	6.36	45.00	7.39	48.99	6.98	52.44	7.05	54.05	7.12
	14	31.16	4.92	36.79	5.77	42.41	6.47	45.00	7.53	48.99	7.10	51.97	7.17	53.56	7.24
	16	31.16	5.01	36.79	5.87	42.41	6.58	45.00	7.66	48.99	7.23	51.50	7.30	53.08	7.37
	18	31.16	5.10	36.79	5.97	42.41	6.70	45.00	7.79	48.99	7.35	51.04	7.43	52.60	7.50
	19	31.16	5.18	36.79	6.07	42.41	6.81	45.00	7.92	48.99	7.48	50.57	7.55	52.12	7.63
	21	31.16	5.27	36.79	6.17	42.41	6.92	45.00	8.05	48.99	7.60	50.10	7.68	51.63	7.75
	23	31.16	5.36	36.79	6.27	42.41	7.04	45.00	8.19	48.99	7.73	49.63	7.80	51.15	7.88
	25	31.16	5.53	36.79	6.48	42.41	7.27	45.00	8.45	48.53	7.98	49.16	8.05	50.67	8.13
	27	31.16	5.61	36.79	6.58	42.41	7.38	45.00	8.58	48.08	8.10	48.70	8.18	50.19	8.26
	29	31.16	6.91	36.79	8.09	42.41	9.08	45.00	10.56	47.62	9.97	48.23	10.07	49.70	10.17
	31	31.16	7.77	36.79	9.11	42.41	10.22	45.00	11.88	47.16	11.22	47.76	11.33	49.22	11.44
	33	31.16	8.21	36.79	9.61	42.41	10.78	45.00	12.54	46.25	11.84	47.29	11.96	48.74	12.07
	35	31.16	8.64	36.79	10.12	42.41	11.35	45.00	13.20	45.79	12.46	46.82	12.59	48.26	12.71
	37	31.16	9.01	36.79	10.56	42.41	11.85	44.10	13.78	44.87	12.94	45.42	13.01	46.33	13.07
	39	31.16	9.33	36.79	10.93	42.41	12.26	43.79	14.26	44.41	13.40	44.95	13.57	45.36	13.66
	41	31.16	9.71	36.79	11.37	42.41	12.76	43.65	14.84	43.96	13.96	44.48	14.10	44.88	14.21
	43	31.16	10.19	36.79	11.94	42.41	13.40	43.20	15.58	43.50	14.71	44.01	14.83	44.64	14.90
	46	31.16	10.64	36.79	12.46	42.41	13.98	42.34	16.26	42.63	15.27	42.69	15.32	42.85	15.32
	48	31.16	11.01	36.79	12.89	42.41	14.47	42.03	16.83	42.19	15.81	42.25	15.98	41.96	16.01
	50	31.16	11.46	36.79	13.42	42.41	15.06	41.90	17.51	41.76	16.47	41.81	16.61	41.51	16.65
80%	10	27.70	3.89	32.70	4.56	37.70	5.12	40.00	5.95	43.55	5.62	46.61	5.67	48.47	5.73
	12	27.70	3.96	32.70	4.64	37.70	5.21	40.00	6.06	43.55	5.72	46.61	5.78	48.04	5.83
	14	27.70	4.03	32.70	4.73	37.70	5.30	40.00	6.17	43.55	5.82	46.20	5.88	47.61	5.94
	16	27.70	4.11	32.70	4.81	37.70	5.40	40.00	6.28	43.55	5.92	45.78	5.98	47.18	6.04
	18	27.70	4.18	32.70	4.89	37.70	5.49	40.00	6.38	43.55	6.03	45.37	6.09	46.75	6.14
	19	27.70	4.25	32.70	4.98	37.70	5.58	40.00	6.49	43.55	6.13	44.95	6.19	46.33	6.25
	21	27.70	4.32	32.70	5.06	37.70	5.67	40.00	6.60	43.55	6.23	44.53	6.29	45.90	6.35
	23	27.70	4.39	32.70	5.14	37.70	5.77	40.00	6.71	43.55	6.33	44.12	6.39	45.47	6.46
	25	27.70	4.53	32.70	5.31	37.70	5.95	40.00	6.92	43.14	6.54	43.70	6.60	45.04	6.67
	27	27.70	4.60	32.70	5.39	37.70	6.05	40.00	7.03	42.74	6.64	43.28	6.70	44.61	6.77
	29	27.70	5.66	32.70	6.63	37.70	7.44	40.00	8.66	42.33	8.17	42.87	8.25	44.18	8.33
	31	27.70	6.37	32.70	7.46	37.70	8.37	40.00	9.74	41.92	9.19	42.45	9.28	43.75	9.37
	33	27.70	6.72	32.70	7.88	37.70	8.84	40.00	10.28	41.11	9.70	42.04	9.80	43.32	9.89
	35	27.70	7.08	32.70	8.29	37.70	9.30	40.00	10.82	40.70	10.21	41.62	10.31	42.89	10.42
	37	27.70	7.39	32.70	8.65	37.70	9.71	39.20	11.29	39.89	10.61	40.37	10.66	41.18	10.71
	39	27.70	7.64	32.70	8.96	37.70	10.05	38.92	11.69	39.48	10.98	39.96	11.12	40.32	11.20
	41	27.70	7.96	32.70	9.32	37.70	10.46	38.80	12.16	39.07	11.44	39.54	11.55	39.89	11.64
	43	27.70	8.35	32.70	9.78	37.70	10.98	38.40	12.77	38.67	12.05	39.12	12.15	39.68	12.21
	46	27.70	8.72	32.70	10.21	37.70	11.46	37.63	13.32	37.89	12.52	37.95	12.56	38.09	12.56
	48	27.70	9.02	32.70	10.57	37.70	11.86	37.36	13.79	37.51	12.96	37.56	13.10	37.30	13.12
	50	27.70	9.39	32.70	11.00	37.70	12.34	37.25	14.35	37.12	13.50	37.17	13.61	36.90	13.65

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



## Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	24.24	3.10	28.61	3.63	32.99	4.07	35.00	4.73	38.11	4.47	40.79	4.51	42.41	4.55
	12	24.24	3.15	28.61	3.69	32.99	4.14	35.00	4.82	38.11	4.55	40.79	4.59	42.04	4.64
	14	24.24	3.21	28.61	3.76	32.99	4.22	35.00	4.90	38.11	4.63	40.42	4.67	41.66	4.72
	16	24.24	3.26	28.61	3.82	32.99	4.29	35.00	4.99	38.11	4.71	40.06	4.76	41.29	4.80
	18	24.24	3.32	28.61	3.89	32.99	4.36	35.00	5.08	38.11	4.79	39.70	4.84	40.91	4.89
	19	24.24	3.38	28.61	3.96	32.99	4.44	35.00	5.16	38.11	4.87	39.33	4.92	40.53	4.97
	21	24.24	3.43	28.61	4.02	32.99	4.51	35.00	5.25	38.11	4.95	38.97	5.00	40.16	5.05
	23	24.24	3.49	28.61	4.09	32.99	4.59	35.00	5.33	38.11	5.03	38.60	5.08	39.78	5.13
	25	24.24	3.60	28.61	4.22	32.99	4.73	35.00	5.51	37.75	5.20	38.24	5.25	39.41	5.30
	27	24.24	3.66	28.61	4.29	32.99	4.81	35.00	5.59	37.39	5.28	37.87	5.33	39.03	5.38
	29	24.24	4.50	28.61	5.27	32.99	5.92	35.00	6.88	37.04	6.50	37.51	6.56	38.66	6.63
	31	24.24	5.07	28.61	5.93	32.99	6.66	35.00	7.74	36.68	7.31	37.15	7.38	38.28	7.45
	33	24.24	5.35	28.61	6.26	32.99	7.03	35.00	8.17	35.97	7.71	36.78	7.79	37.91	7.87
	35	24.24	5.63	28.61	6.59	32.99	7.40	35.00	8.60	35.61	8.12	36.42	8.20	37.53	8.28
	37	24.24	5.87	28.61	6.88	32.99	7.72	34.30	8.98	34.90	8.43	35.32	8.48	36.03	8.52
	39	24.24	6.08	28.61	7.12	32.99	7.99	34.06	9.29	34.54	8.73	34.96	8.84	35.28	8.90
	41	24.24	6.33	28.61	7.41	32.99	8.31	33.95	9.67	34.19	9.10	34.60	9.19	34.90	9.26
	43	24.24	6.64	28.61	7.78	32.99	8.73	33.60	10.15	33.83	9.58	34.23	9.66	34.72	9.71
	46	24.24	6.93	28.61	8.12	32.99	9.11	32.93	10.59	33.16	9.95	33.21	9.99	33.33	9.98
	48	24.24	7.17	28.61	8.40	32.99	9.43	32.69	10.96	32.82	10.30	32.86	10.41	32.63	10.43
	50	24.24	7.46	28.61	8.74	32.99	9.81	32.59	11.41	32.48	10.73	32.52	10.82	32.29	10.85
60%	10	20.78	2.35	24.53	2.75	28.28	3.09	30.00	3.59	32.66	3.39	34.96	3.42	36.35	3.46
	12	20.78	2.39	24.53	2.80	28.28	3.14	30.00	3.66	32.66	3.45	34.96	3.49	36.03	3.52
	14	20.78	2.43	24.53	2.85	28.28	3.20	30.00	3.72	32.66	3.51	34.65	3.55	35.71	3.58
	16	20.78	2.48	24.53	2.90	28.28	3.26	30.00	3.79	32.66	3.57	34.34	3.61	35.39	3.65
	18	20.78	2.52	24.53	2.95	28.28	3.31	30.00	3.85	32.66	3.64	34.02	3.67	35.07	3.71
	19	20.78	2.56	24.53	3.00	28.28	3.37	30.00	3.92	32.66	3.70	33.71	3.73	34.74	3.77
	21	20.78	2.61	24.53	3.05	28.28	3.42	30.00	3.98	32.66	3.76	33.40	3.80	34.42	3.83
	23	20.78	2.65	24.53	3.10	28.28	3.48	30.00	4.05	32.66	3.82	33.09	3.86	34.10	3.90
	25	20.78	2.73	24.53	3.20	28.28	3.59	30.00	4.18	32.36	3.94	32.78	3.98	33.78	4.02
	27	20.78	2.78	24.53	3.25	28.28	3.65	30.00	4.24	32.05	4.01	32.46	4.05	33.46	4.09
	29	20.78	3.42	24.53	4.00	28.28	4.49	30.00	5.22	31.75	4.93	32.15	4.98	33.14	5.03
	31	20.78	3.84	24.53	4.50	28.28	5.05	30.00	5.88	31.44	5.55	31.84	5.60	32.81	5.66
	33	20.78	4.06	24.53	4.75	28.28	5.33	30.00	6.20	30.83	5.86	31.53	5.91	32.49	5.97
	35	20.78	4.27	24.53	5.00	28.28	5.61	30.00	6.53	30.53	6.16	31.22	6.22	32.17	6.29
	37	20.78	4.46	24.53	5.22	28.28	5.86	29.40	6.81	29.91	6.40	30.28	6.43	30.88	6.47
	39	20.78	4.61	24.53	5.40	28.28	6.06	29.19	7.05	29.61	6.63	29.97	6.71	30.24	6.76
	41	20.78	4.80	24.53	5.62	28.28	6.31	29.10	7.34	29.30	6.90	29.65	6.97	29.92	7.03
	43	20.78	5.04	24.53	5.90	28.28	6.63	28.80	7.71	29.00	7.27	29.34	7.33	29.76	7.37
	46	20.78	5.26	24.53	6.16	28.28	6.91	28.22	8.04	28.42	7.55	28.46	7.58	28.57	7.58
	48	20.78	5.44	24.53	6.38	28.28	7.16	28.02	8.32	28.13	7.82	28.17	7.90	27.97	7.92
	50	20.78	5.67	24.53	6.64	28.28	7.45	27.94	8.66	27.84	8.15	27.87	8.21	27.67	8.24
50%	10	17.31	1.65	20.44	1.94	23.56	2.18	25.00	2.53	27.22	2.39	29.13	2.41	30.29	2.44
	12	17.31	1.69	20.44	1.97	23.56	2.21	25.00	2.58	27.22	2.43	29.13	2.46	30.03	2.48
	14	17.31	1.72	20.44	2.01	23.56	2.25	25.00	2.62	27.22	2.47	28.87	2.50	29.76	2.52
	16	17.31	1.75	20.44	2.04	23.56	2.29	25.00	2.67	27.22	2.52	28.61	2.54	29.49	2.57
	18	17.31	1.78	20.44	2.08	23.56	2.33	25.00	2.71	27.22	2.56	28.35	2.59	29.22	2.61
	19	17.31	1.81	20.44	2.11	23.56	2.37	25.00	2.76	27.22	2.60	28.09	2.63	28.95	2.66
	21	17.31	1.84	20.44	2.15	23.56	2.41	25.00	2.81	27.22	2.65	27.83	2.67	28.69	2.70
	23	17.31	1.87	20.44	2.19	23.56	2.45	25.00	2.85	27.22	2.69	27.57	2.72	28.42	2.75
	25	17.31	1.93	20.44	2.26	23.56	2.53	25.00	2.94	26.96	2.78	27.31	2.81	28.15	2.83
	27	17.31	1.96	20.44	2.29	23.56	2.57	25.00	2.99	26.71	2.82	27.05	2.85	27.88	2.88
	29	17.31	2.41	20.44	2.82	23.56	3.16	25.00	3.68	26.46	3.47	26.79	3.51	27.61	3.54
	31	17.31	2.71	20.44	3.17	23.56	3.56	25.00	4.14	26.20	3.91	26.53	3.95	27.34	3.98
	33	17.31	2.86	20.44	3.35	23.56	3.76	25.00	4.37	25.69	4.12	26.27	4.17	27.08	4.21
	35	17.31	3.01	20.44	3.52	23.56	3.95	25.00	4.60	25.44	4.34	26.01	4.38	26.81	4.43
	37	17.31	3.14	20.44	3.68	23.56	4.13	24.50	4.80	24.93	4.51	25.23	4.53	25.74	4.55
	39	17.31	3.25	20.44	3.81	23.56	4.27	24.33	4.97	24.67	4.67	24.97	4.73	25.20	4.76
	41	17.31	3.38	20.44	3.96	23.56	4.45	24.25	5.17	24.42	4.86	24.71	4.91	24.93	4.95
	43	17.31	3.55	20.44	4.16	23.56	4.67	24.00	5.43	24.17	5.12	24.45	5.17	24.80	5.19
	46	17.31	3.71	20.44	4.34	23.56	4.87	23.52	5.66	23.68	5.32	23.72	5.34	23.81	5.34
	48	17.31	3.83	20.44	4.49	23.56	5.04	23.35	5.86	23.44	5.51	23.47	5.57	23.31	5.58
	50	17.31	3.99	20.44	4.68	23.56	5.25	23.28	6.10	23.20	5.74	23.23	5.78	23.06	5.80

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	13.85	1.31	16.35	1.54	18.85	1.72	20.00	2.01	21.77	1.89	23.31	1.91	24.24	1.93
	12	13.85	1.34	16.35	1.56	18.85	1.76	20.00	2.04	21.77	1.93	23.31	1.95	24.02	1.97
	14	13.85	1.36	16.35	1.59	18.85	1.79	20.00	2.08	21.77	1.96	23.10	1.98	23.81	2.00
	16	13.85	1.38	16.35	1.62	18.85	1.82	20.00	2.11	21.77	2.00	22.89	2.02	23.59	2.04
	18	13.85	1.41	16.35	1.65	18.85	1.85	20.00	2.15	21.77	2.03	22.68	2.05	23.38	2.07
	19	13.85	1.43	16.35	1.68	18.85	1.88	20.00	2.19	21.77	2.07	22.47	2.09	23.16	2.11
	21	13.85	1.46	16.35	1.70	18.85	1.91	20.00	2.22	21.77	2.10	22.27	2.12	22.95	2.14
	23	13.85	1.48	16.35	1.73	18.85	1.94	20.00	2.26	21.77	2.13	22.06	2.16	22.73	2.18
	25	13.85	1.53	16.35	1.79	18.85	2.01	20.00	2.33	21.57	2.20	21.85	2.22	22.52	2.25
	27	13.85	1.55	16.35	1.82	18.85	2.04	20.00	2.37	21.37	2.24	21.64	2.26	22.30	2.28
	29	13.85	1.91	16.35	2.24	18.85	2.51	20.00	2.92	21.16	2.75	21.43	2.78	22.09	2.81
	31	13.85	2.15	16.35	2.51	18.85	2.82	20.00	3.28	20.96	3.10	21.23	3.13	21.88	3.16
	33	13.85	2.27	16.35	2.65	18.85	2.98	20.00	3.46	20.55	3.27	21.02	3.30	21.66	3.33
	35	13.85	2.39	16.35	2.79	18.85	3.14	20.00	3.65	20.35	3.44	20.81	3.48	21.45	3.51
	37	13.85	2.49	16.35	2.92	18.85	3.27	19.60	3.81	19.94	3.57	20.19	3.59	20.59	3.61
	39	13.85	2.58	16.35	3.02	18.85	3.39	19.46	3.94	19.74	3.70	19.98	3.75	20.16	3.77
	41	13.85	2.68	16.35	3.14	18.85	3.52	19.40	4.10	19.54	3.85	19.77	3.89	19.95	3.92
	43	13.85	2.81	16.35	3.30	18.85	3.70	19.20	4.30	19.33	4.06	19.56	4.09	19.84	4.11
	46	13.85	2.94	16.35	3.44	18.85	3.86	18.82	4.49	18.95	4.22	18.97	4.23	19.04	4.23
	48	13.85	3.04	16.35	3.56	18.85	4.00	18.68	4.65	18.75	4.37	18.78	4.41	18.65	4.42
	50	13.85	3.16	16.35	3.71	18.85	4.16	18.62	4.84	18.56	4.55	18.58	4.59	18.45	4.60
30%	10	10.39	1.20	12.26	1.41	14.14	1.58	15.00	1.84	16.33	1.73	17.48	1.75	18.18	1.77
	12	10.39	1.22	12.26	1.43	14.14	1.61	15.00	1.87	16.33	1.76	17.48	1.78	18.02	1.80
	14	10.39	1.24	12.26	1.46	14.14	1.64	15.00	1.90	16.33	1.80	17.32	1.81	17.85	1.83
	16	10.39	1.27	12.26	1.48	14.14	1.66	15.00	1.94	16.33	1.83	17.17	1.84	17.69	1.86
	18	10.39	1.29	12.26	1.51	14.14	1.69	15.00	1.97	16.33	1.86	17.01	1.88	17.53	1.89
	19	10.39	1.31	12.26	1.53	14.14	1.72	15.00	2.00	16.33	1.89	16.86	1.91	17.37	1.93
	21	10.39	1.33	12.26	1.56	14.14	1.75	15.00	2.04	16.33	1.92	16.70	1.94	17.21	1.96
	23	10.39	1.35	12.26	1.59	14.14	1.78	15.00	2.07	16.33	1.95	16.54	1.97	17.05	1.99
	25	10.39	1.40	12.26	1.64	14.14	1.84	15.00	2.14	16.18	2.02	16.39	2.04	16.89	2.06
	27	10.39	1.42	12.26	1.66	14.14	1.86	15.00	2.17	16.03	2.05	16.23	2.07	16.73	2.09
	29	10.39	1.75	12.26	2.05	14.14	2.29	15.00	2.67	15.87	2.52	16.08	2.54	16.57	2.57
	31	10.39	1.96	12.26	2.30	14.14	2.58	15.00	3.00	15.72	2.83	15.92	2.86	16.41	2.89
	33	10.39	2.07	12.26	2.43	14.14	2.73	15.00	3.17	15.42	2.99	15.76	3.02	16.25	3.05
	35	10.39	2.18	12.26	2.56	14.14	2.87	15.00	3.34	15.26	3.15	15.61	3.18	16.09	3.21
	37	10.39	2.28	12.26	2.67	14.14	2.99	14.70	3.48	14.96	3.27	15.14	3.29	15.44	3.30
	39	10.39	2.36	12.26	2.76	14.14	3.10	14.60	3.60	14.80	3.39	14.98	3.43	15.12	3.45
	41	10.39	2.45	12.26	2.87	14.14	3.22	14.55	3.75	14.65	3.53	14.83	3.56	14.96	3.59
	43	10.39	2.58	12.26	3.02	14.14	3.39	14.40	3.94	14.50	3.72	14.67	3.75	14.88	3.76
	46	10.39	2.69	12.26	3.15	14.14	3.53	14.11	4.11	14.21	3.86	14.23	3.87	14.28	3.87
	48	10.39	2.78	12.26	3.26	14.14	3.66	14.01	4.25	14.06	3.99	14.08	4.04	13.99	4.05
	50	10.39	2.89	12.26	3.39	14.14	3.80	13.97	4.43	13.92	4.16	13.94	4.20	13.84	4.21
20%	10	6.93	0.69	8.18	0.81	9.43	0.91	10.00	1.06	10.89	1.00	11.65	1.01	12.12	1.02
	12	6.93	0.71	8.18	0.83	9.43	0.93	10.00	1.08	10.89	1.02	11.65	1.03	12.01	1.04
	14	6.93	0.72	8.18	0.84	9.43	0.95	10.00	1.10	10.89	1.04	11.55	1.05	11.90	1.06
	16	6.93	0.73	8.18	0.86	9.43	0.96	10.00	1.12	10.89	1.06	11.45	1.07	11.80	1.08
	18	6.93	0.75	8.18	0.87	9.43	0.98	10.00	1.14	10.89	1.08	11.34	1.09	11.69	1.10
	19	6.93	0.76	8.18	0.89	9.43	1.00	10.00	1.16	10.89	1.09	11.24	1.10	11.58	1.11
	21	6.93	0.77	8.18	0.90	9.43	1.01	10.00	1.18	10.89	1.11	11.13	1.12	11.47	1.13
	23	6.93	0.78	8.18	0.92	9.43	1.03	10.00	1.20	10.89	1.13	11.03	1.14	11.37	1.15
	25	6.93	0.81	8.18	0.95	9.43	1.06	10.00	1.24	10.79	1.17	10.93	1.18	11.26	1.19
	27	6.93	0.82	8.18	0.96	9.43	1.08	10.00	1.25	10.68	1.18	10.82	1.20	11.15	1.21
	29	6.93	1.01	8.18	1.18	9.43	1.33	10.00	1.54	10.58	1.46	10.72	1.47	11.05	1.49
	31	6.93	1.14	8.18	1.33	9.43	1.49	10.00	1.74	10.48	1.64	10.61	1.66	10.94	1.67
	33	6.93	1.20	8.18	1.41	9.43	1.58	10.00	1.83	10.28	1.73	10.51	1.75	10.83	1.77
	35	6.93	1.26	8.18	1.48	9.43	1.66	10.00	1.93	10.18	1.82	10.41	1.84	10.72	1.86
	37	6.93	1.32	8.18	1.54	9.43	1.73	9.80	2.01	9.97	1.89	10.09	1.90	10.29	1.91
	39	6.93	1.36	8.18	1.60	9.43	1.79	9.73	2.08	9.87	1.96	9.99	1.98	10.08	2.00
	41	6.93	1.42	8.18	1.66	9.43	1.87	9.70	2.17	9.77	2.04	9.88	2.06	9.97	2.08
	43	6.93	1.49	8.18	1.75	9.43	1.96	9.60	2.28	9.67	2.15	9.78	2.17	9.92	2.18
	46	6.93	1.56	8.18	1.82	9.43	2.04	9.41	2.38	9.47	2.23	9.49	2.24	9.52	2.24
	48	6.93	1.61	8.18	1.89	9.43	2.12	9.34	2.46	9.38	2.31	9.39	2.34	9.32	2.34
	50	6.93	1.67	8.18	1.96	9.43	2.20	9.31	2.56	9.28	2.41	9.29	2.43	9.22	2.43

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR200ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	42.52	7.53	50.19	8.82	57.87	9.89	61.40	10.97	66.85	10.86	71.55	10.97	74.40	11.08
	12	42.52	7.67	50.19	8.98	57.87	10.07	61.40	11.17	66.85	11.06	71.55	11.17	73.74	11.28
	14	42.52	7.80	50.19	9.14	57.87	10.25	61.40	11.37	66.85	11.26	70.91	11.37	73.08	11.48
	16	42.52	7.94	50.19	9.30	57.87	10.43	61.40	11.57	66.85	11.45	70.28	11.57	72.43	11.68
	18	42.52	8.08	50.19	9.46	57.87	10.61	61.40	11.77	66.85	11.65	69.64	11.77	71.77	11.88
	19	42.52	8.21	50.19	9.62	56.13	10.79	61.40	11.97	66.85	11.85	69.00	11.97	71.11	12.08
	21	42.52	8.35	50.19	9.78	57.87	10.97	61.40	12.17	66.85	12.05	68.36	12.17	70.45	12.29
	23	42.52	8.49	50.19	9.94	57.87	11.15	61.40	12.37	66.85	12.24	67.72	12.37	69.79	12.49
	25	42.52	8.76	50.19	10.26	57.87	11.51	61.40	12.77	66.22	12.64	67.08	12.77	69.13	12.89
	27	42.52	8.90	50.19	10.42	57.87	11.69	61.40	12.96	65.60	12.84	66.44	12.96	68.48	13.09
	29	42.52	10.95	50.19	12.83	57.87	14.39	61.40	15.96	64.97	15.80	65.80	15.96	67.82	16.11
	31	42.52	12.32	50.19	14.43	57.87	16.19	61.40	17.95	64.35	17.77	65.16	17.95	67.16	18.13
	33	42.52	13.00	50.19	15.23	57.87	17.09	61.40	18.95	63.10	18.76	64.53	18.95	66.50	19.13
	35	42.52	13.69	50.19	16.03	57.87	17.99	61.40	19.95	62.47	19.75	63.89	19.95	65.84	20.14
	37	42.52	14.28	50.19	16.73	57.87	18.77	60.17	20.82	61.23	20.51	61.97	20.62	63.21	20.72
	39	42.52	14.78	50.19	17.32	57.87	19.43	59.74	21.54	60.60	21.23	61.33	21.50	61.89	21.65
	41	42.52	15.39	50.19	18.02	57.87	20.22	59.56	22.42	59.98	22.12	60.69	22.34	61.23	22.52
	43	42.52	16.15	50.19	18.92	57.87	21.23	58.94	23.54	59.35	23.30	60.05	23.50	60.90	23.61
	46	42.52	16.86	50.19	19.75	57.87	22.15	57.77	24.56	58.16	24.20	58.25	24.29	58.47	24.28
	48	42.52	17.44	50.19	20.43	57.87	22.93	57.35	25.42	57.57	25.05	57.65	25.33	57.25	25.38
	50	42.52	18.15	50.19	21.27	57.87	23.86	57.18	26.45	56.98	26.10	57.05	26.32	56.64	26.39
120%	10	41.83	7.46	49.38	8.73	56.93	9.80	60.40	10.86	65.76	10.76	70.39	10.86	73.19	10.97
	12	41.83	7.59	49.38	8.89	56.93	9.98	60.40	11.06	65.76	10.95	70.39	11.06	72.54	11.17
	14	41.83	7.73	49.38	9.05	56.93	10.15	60.40	11.26	65.76	11.15	69.76	11.26	71.89	11.37
	16	41.83	7.86	49.38	9.21	56.93	10.33	60.40	11.46	65.76	11.34	69.13	11.46	71.25	11.57
	18	41.83	8.00	49.38	9.37	56.93	10.51	60.40	11.65	65.76	11.54	68.50	11.65	70.60	11.77
	19	41.83	8.13	49.38	9.53	56.93	10.69	60.40	11.85	65.76	11.73	67.87	11.85	69.95	11.97
	21	41.83	8.27	49.38	9.69	56.93	10.87	60.40	12.05	65.76	11.93	67.25	12.05	69.30	12.17
	23	41.83	8.40	49.38	9.84	56.93	11.05	60.40	12.25	65.76	12.13	66.62	12.25	68.66	12.37
	25	41.83	8.68	49.38	10.16	56.93	11.40	60.40	12.64	65.14	12.52	65.99	12.64	68.01	12.77
	27	41.83	8.81	49.38	10.32	56.93	11.58	60.40	12.84	64.53	12.71	65.36	12.84	67.36	12.96
	29	41.83	10.84	49.38	12.70	56.93	14.25	60.40	15.80	63.92	15.65	64.73	15.80	66.71	15.96
	31	41.83	12.20	49.38	14.29	56.93	16.03	60.40	17.78	63.30	17.60	64.10	17.78	66.07	17.95
	33	41.83	12.88	49.38	15.08	56.93	16.92	60.40	18.76	62.07	18.58	63.47	18.76	65.42	18.95
	35	41.83	13.56	49.38	15.88	56.93	17.82	60.40	19.75	61.46	19.56	62.85	19.75	64.77	19.95
	37	41.83	14.15	49.38	16.57	56.93	18.59	59.19	20.61	60.23	20.31	60.96	20.42	62.18	20.52
	39	41.83	14.64	49.38	17.15	56.93	19.24	58.77	21.33	59.61	21.03	60.33	21.29	60.88	21.44
	41	41.83	15.24	49.38	17.85	56.93	20.02	58.59	22.20	59.00	21.91	59.70	22.12	60.24	22.30
	43	41.83	16.00	49.38	18.74	56.93	21.02	57.98	23.31	58.38	23.08	59.08	23.27	59.91	23.38
	46	41.83	16.69	49.38	19.55	56.93	21.94	56.82	24.32	57.22	23.97	57.30	24.05	57.52	24.04
	48	41.83	17.27	49.38	20.24	56.93	22.70	56.42	25.17	56.63	24.81	56.71	25.08	56.32	25.13
	50	41.83	17.98	49.38	21.06	56.93	23.63	56.24	26.20	56.05	25.85	56.12	26.06	55.72	26.13
110%	10	41.13	7.28	48.56	8.53	55.98	9.57	59.40	10.60	64.67	10.50	69.22	10.60	71.98	10.71
	12	41.13	7.41	48.56	8.68	55.98	9.74	59.40	10.80	64.67	10.69	69.22	10.80	71.34	10.90
	14	41.13	7.54	48.56	8.84	55.98	9.91	59.40	10.99	64.67	10.88	68.60	10.99	70.70	11.10
	16	41.13	7.67	48.56	8.99	55.98	10.09	59.40	11.18	64.67	11.07	67.99	11.18	70.07	11.29
	18	41.13	7.81	48.56	9.15	55.98	10.26	59.40	11.38	64.67	11.26	67.37	11.38	69.43	11.49
	19	41.13	7.94	48.56	9.30	55.98	10.43	59.40	11.57	64.67	11.46	66.75	11.57	68.79	11.68
	21	41.13	8.07	48.56	9.46	55.98	10.61	59.40	11.76	64.67	11.65	66.13	11.76	68.16	11.88
	23	41.13	8.20	48.56	9.61	55.98	10.78	59.40	11.95	64.67	11.84	65.51	11.95	67.52	12.07
	25	41.13	8.47	48.56	9.92	55.98	11.13	59.40	12.34	64.07	12.22	64.90	12.34	66.88	12.46
	27	41.13	8.60	48.56	10.08	55.98	11.30	59.40	12.53	63.46	12.41	64.28	12.53	66.25	12.66
	29	41.13	10.59	48.56	12.40	55.98	13.91	59.40	15.43	62.86	15.27	63.66	15.43	65.61	15.58
	31	41.13	11.91	48.56	13.95	55.98	15.65	59.40	17.35	62.25	17.18	63.04	17.35	64.97	17.52
	33	41.13	12.57	48.56	14.73	55.98	16.52	59.40	18.32	61.04	18.14	62.42	18.32	64.33	18.50
	35	41.13	13.23	48.56	15.50	55.98	17.39	59.40	19.28	60.44	19.09	61.81	19.28	63.70	19.47
	37	41.13	13.81	48.56	16.18	55.98	18.15	58.21	20.12	59.23	19.83	59.95	19.93	61.15	20.03
	39	41.13	14.29	48.56	16.74	55.98	18.78	57.80	20.82	58.63	20.52	59.33	20.79	59.88	20.93
	41	41.13	14.87	48.56	17.42	55.98	19.55	57.62	21.67	58.02	21.38	58.72	21.60	59.24	21.77
	43	41.13	15.61	48.56	18.29	55.98	20.52	57.02	22.75	57.42	22.53	58.10	22.71	58.92	22.82
	46	41.13	16.30	48.56	19.09	55.98	21.42	55.88	23.74	56.27	23.40	56.35	23.48	56.56	23.47
	48	41.13	16.86	48.56	19.75	55.98	22.16	55.48	24.57	55.69	24.22	55.77	24.49	55.39	24.53
	50	41.13	17.55	48.56	20.56	55.98	23.07	55.31	25.57	55.12	25.23	55.19	25.44	54.80	25.51

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	38.78	6.89	45.78	8.07	52.78	9.06	56.00	9.85	60.97	9.94	65.26	10.04	67.86	10.14
	12	38.78	7.02	45.78	8.22	52.78	9.22	56.00	10.02	60.97	10.12	65.26	10.22	67.26	10.32
	14	38.78	7.14	45.78	8.37	52.78	9.39	56.00	10.20	60.97	10.31	64.68	10.41	66.66	10.51
	16	38.78	7.27	45.78	8.51	52.78	9.55	56.00	10.38	60.97	10.49	64.09	10.59	66.06	10.69
	18	38.78	7.39	45.78	8.66	52.78	9.72	56.00	10.56	60.97	10.67	63.51	10.77	65.46	10.88
	19	38.78	7.52	45.78	8.81	52.78	9.88	56.00	10.74	60.97	10.85	62.93	10.95	64.86	11.06
	21	38.78	7.64	45.78	8.95	52.78	10.05	56.00	10.92	60.97	11.03	62.35	11.14	64.26	11.25
	23	38.78	7.77	45.78	9.10	52.78	10.21	56.00	11.10	60.97	11.21	61.76	11.32	63.65	11.43
	25	38.78	8.02	45.78	9.39	52.78	10.54	56.00	11.46	60.40	11.57	61.18	11.69	63.05	11.80
	27	38.78	8.14	45.78	9.54	52.78	10.70	56.00	11.64	59.83	11.75	60.60	11.87	62.45	11.98
	29	38.78	10.02	45.78	11.74	52.78	13.17	56.00	14.32	59.26	14.46	60.02	14.61	61.85	14.75
	31	38.78	11.28	45.78	13.21	52.78	14.82	56.00	16.11	58.69	16.27	59.43	16.43	61.25	16.59
	33	38.78	11.90	45.78	13.94	52.78	15.64	56.00	17.01	57.55	17.18	58.85	17.35	60.65	17.52
	35	38.78	12.53	45.78	14.68	52.78	16.47	56.00	17.90	56.98	18.08	58.27	18.26	60.05	18.44
	37	38.78	13.08	45.78	15.32	52.78	17.19	54.88	18.68	55.84	18.78	56.52	18.87	57.65	18.96
	39	38.78	13.53	45.78	15.85	52.78	17.79	54.49	19.33	55.27	19.43	55.94	19.68	56.45	19.82
	41	38.78	14.08	45.78	16.50	52.78	18.51	54.32	20.12	54.70	20.25	55.35	20.45	55.85	20.61
	43	38.78	14.79	45.78	17.32	52.78	19.43	53.76	21.12	54.13	21.33	54.77	21.51	55.55	21.61
	46	38.78	15.43	45.78	18.08	52.78	20.28	52.68	22.04	53.05	22.16	53.13	22.23	53.33	22.23
	48	38.78	15.97	45.78	18.71	52.78	20.99	52.31	22.81	52.51	22.93	52.58	23.19	52.21	23.23
	50	38.78	16.62	45.78	19.47	52.78	21.84	52.15	23.74	51.97	23.89	52.03	24.09	51.66	24.16
90%	10	34.90	5.78	41.20	6.78	47.50	7.60	50.40	8.43	54.87	8.35	58.73	8.43	61.07	8.51
	12	34.90	5.89	41.20	6.90	47.50	7.74	50.40	8.58	54.87	8.50	58.73	8.58	60.53	8.67
	14	34.90	6.00	41.20	7.02	47.50	7.88	50.40	8.74	54.87	8.65	58.21	8.74	59.99	8.82
	16	34.90	6.10	41.20	7.15	47.50	8.02	50.40	8.89	54.87	8.80	57.69	8.89	59.45	8.98
	18	34.90	6.21	41.20	7.27	47.50	8.16	50.40	9.04	54.87	8.95	57.16	9.04	58.91	9.13
	19	34.90	6.31	41.20	7.39	47.50	8.29	50.40	9.20	54.87	9.11	56.64	9.20	58.37	9.29
	21	34.90	6.42	41.20	7.52	47.50	8.43	50.40	9.35	54.87	9.26	56.11	9.35	57.83	9.44
	23	34.90	6.52	41.20	7.64	47.50	8.57	50.40	9.50	54.87	9.41	55.59	9.50	57.29	9.60
	25	34.90	6.73	41.20	7.89	47.50	8.85	50.40	9.81	54.36	9.71	55.06	9.81	56.75	9.90
	27	34.90	6.84	41.20	8.01	47.50	8.99	50.40	9.96	53.85	9.86	54.54	9.96	56.21	10.06
	29	34.90	8.41	41.20	9.86	47.50	11.06	50.40	12.26	53.33	12.14	54.01	12.26	55.67	12.38
	31	34.90	9.47	41.20	11.09	47.50	12.44	50.40	13.79	52.82	13.66	53.49	13.79	55.13	13.93
	33	34.90	9.99	41.20	11.70	47.50	13.13	50.40	14.56	51.79	14.42	52.97	14.56	54.59	14.70
	35	34.90	10.52	41.20	12.32	47.50	13.82	50.40	15.33	51.28	15.18	52.44	15.33	54.05	15.48
	37	34.90	10.98	41.20	12.86	47.50	14.43	49.39	15.99	50.26	15.76	50.87	15.84	51.88	15.92
	39	34.90	11.36	41.20	13.31	47.50	14.93	49.04	16.55	49.74	16.31	50.34	16.52	50.80	16.64
	41	34.90	11.82	41.20	13.85	47.50	15.54	48.89	17.23	49.23	17.00	49.82	17.16	50.26	17.30
	43	34.90	12.41	41.20	14.54	47.50	16.31	48.38	18.08	48.72	17.91	49.29	18.05	49.99	18.14
	46	34.90	12.95	41.20	15.17	47.50	17.02	47.42	18.87	47.74	18.60	47.82	18.66	47.99	18.66
	48	34.90	13.40	41.20	15.70	47.50	17.62	47.08	19.53	47.26	19.25	47.32	19.46	46.99	19.50
	50	34.90	13.95	41.20	16.34	47.50	18.33	46.93	20.33	46.77	20.06	46.83	20.22	46.49	20.28
80%	10	31.02	4.74	36.62	5.55	42.22	6.23	44.80	6.91	48.77	6.84	52.21	6.91	54.29	6.98
	12	31.02	4.83	36.62	5.65	42.22	6.34	44.80	7.03	48.77	6.96	52.21	7.03	53.81	7.10
	14	31.02	4.91	36.62	5.76	42.22	6.46	44.80	7.16	48.77	7.09	51.74	7.16	53.33	7.23
	16	31.02	5.00	36.62	5.86	42.22	6.57	44.80	7.28	48.77	7.21	51.28	7.28	52.85	7.36
	18	31.02	5.09	36.62	5.96	42.22	6.68	44.80	7.41	48.77	7.34	50.81	7.41	52.36	7.48
	19	31.02	5.17	36.62	6.06	42.22	6.80	44.80	7.54	48.77	7.46	50.34	7.54	51.88	7.61
	21	31.02	5.26	36.62	6.16	42.22	6.91	44.80	7.66	48.77	7.59	49.88	7.66	51.40	7.74
	23	31.02	5.34	36.62	6.26	42.22	7.02	44.80	7.79	48.77	7.71	49.41	7.79	50.92	7.86
	25	31.02	5.52	36.62	6.46	42.22	7.25	44.80	8.04	48.32	7.96	48.95	8.04	50.44	8.12
	27	31.02	5.60	36.62	6.56	42.22	7.36	44.80	8.16	47.86	8.08	48.48	8.16	49.96	8.24
	29	31.02	6.90	36.62	8.08	42.22	9.06	44.80	10.05	47.41	9.95	48.01	10.05	49.48	10.15
	31	31.02	7.76	36.62	9.09	42.22	10.20	44.80	11.30	46.95	11.19	47.55	11.30	49.00	11.41
	33	31.02	8.19	36.62	9.59	42.22	10.76	44.80	11.93	46.04	11.81	47.08	11.93	48.52	12.05
	35	31.02	8.62	36.62	10.10	42.22	11.33	44.80	12.56	45.58	12.44	46.61	12.56	48.04	12.68
	37	31.02	8.99	36.62	10.54	42.22	11.82	43.90	13.11	44.67	12.92	45.22	12.98	46.12	13.05
	39	31.02	9.31	36.62	10.90	42.22	12.23	43.59	13.56	44.22	13.37	44.75	13.54	45.16	13.63
	41	31.02	9.69	36.62	11.35	42.22	12.73	43.46	14.12	43.76	13.93	44.28	14.07	44.68	14.18
	43	31.02	10.17	36.62	11.91	42.22	13.37	43.01	14.82	43.30	14.67	43.82	14.79	44.44	14.86
	46	31.02	10.61	36.62	12.43	42.22	13.95	42.15	15.47	42.44	15.24	42.50	15.29	42.66	15.29
	48	31.02	10.98	36.62	12.87	42.22	14.44	41.85	16.01	42.01	15.78	42.06	15.95	41.77	15.98
	50	31.02	11.43	36.62	13.39	42.22	15.02	41.72	16.66	41.57	16.44	41.63	16.57	41.33	16.62

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

## Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	27.15	3.77	32.05	4.42	36.95	4.95	39.20	5.49	42.68	5.44	45.68	5.49	47.50	5.55
	12	27.15	3.84	32.05	4.50	36.95	5.04	39.20	5.59	42.68	5.54	45.68	5.59	47.08	5.65
	14	27.15	3.91	32.05	4.58	36.95	5.13	39.20	5.69	42.68	5.64	45.27	5.69	46.66	5.75
	16	27.15	3.98	32.05	4.66	36.95	5.22	39.20	5.79	42.68	5.74	44.87	5.79	46.24	5.85
	18	27.15	4.04	32.05	4.74	36.95	5.31	39.20	5.89	42.68	5.83	44.46	5.89	45.82	5.95
	19	27.15	4.11	32.05	4.82	36.95	5.40	39.20	5.99	42.68	5.93	44.05	5.99	45.40	6.05
	21	27.15	4.18	32.05	4.90	36.95	5.49	39.20	6.09	42.68	6.03	43.64	6.09	44.98	6.15
	23	27.15	4.25	32.05	4.98	36.95	5.58	39.20	6.19	42.68	6.13	43.23	6.19	44.56	6.25
	25	27.15	4.39	32.05	5.14	36.95	5.76	39.20	6.39	42.28	6.33	42.83	6.39	44.14	6.45
	27	27.15	4.45	32.05	5.22	36.95	5.85	39.20	6.49	41.88	6.43	42.42	6.49	43.72	6.55
	29	27.15	5.48	32.05	6.42	36.95	7.21	39.20	7.99	41.48	7.91	42.01	7.99	43.30	8.07
	31	27.15	6.17	32.05	7.23	36.95	8.11	39.20	8.99	41.08	8.90	41.60	8.99	42.88	9.08
	33	27.15	6.51	32.05	7.63	36.95	8.56	39.20	9.49	40.28	9.39	41.20	9.49	42.46	9.58
	35	27.15	6.85	32.05	8.03	36.95	9.01	39.20	9.99	39.89	9.89	40.79	9.99	42.04	10.08
	37	27.15	7.15	32.05	8.38	36.95	9.40	38.42	10.42	39.09	10.27	39.56	10.32	40.35	10.37
	39	27.15	7.40	32.05	8.67	36.95	9.73	38.14	10.79	38.69	10.63	39.16	10.77	39.51	10.84
	41	27.15	7.70	32.05	9.02	36.95	10.12	38.02	11.22	38.29	11.08	38.75	11.18	39.09	11.27
	43	27.15	8.09	32.05	9.47	36.95	10.63	37.63	11.78	37.89	11.67	38.34	11.76	38.88	11.82
	46	27.15	8.44	32.05	9.89	36.95	11.09	36.88	12.30	37.13	12.12	37.19	12.16	37.33	12.16
	48	27.15	8.73	32.05	10.23	36.95	11.48	36.62	12.73	36.75	12.54	36.81	12.68	36.55	12.71
	50	27.15	9.09	32.05	10.65	36.95	11.95	36.50	13.25	36.38	13.07	36.42	13.18	36.16	13.21
60%	10	23.27	2.86	27.47	3.35	31.67	3.76	33.60	4.17	36.58	4.13	39.16	4.17	40.71	4.21
	12	23.27	2.91	27.47	3.41	31.67	3.83	33.60	4.24	36.58	4.20	39.16	4.24	40.35	4.29
	14	23.27	2.97	27.47	3.47	31.67	3.90	33.60	4.32	36.58	4.28	38.81	4.32	39.99	4.36
	16	23.27	3.02	27.47	3.53	31.67	3.97	33.60	4.40	36.58	4.35	38.46	4.40	39.63	4.44
	18	23.27	3.07	27.47	3.60	31.67	4.03	33.60	4.47	36.58	4.43	38.11	4.47	39.27	4.52
	19	23.27	3.12	27.47	3.66	31.67	4.10	33.60	4.55	36.58	4.50	37.76	4.55	38.91	4.59
	21	23.27	3.17	27.47	3.72	31.67	4.17	33.60	4.62	36.58	4.58	37.41	4.62	38.55	4.67
	23	23.27	3.23	27.47	3.78	31.67	4.24	33.60	4.70	36.58	4.65	37.06	4.70	38.19	4.75
	25	23.27	3.33	27.47	3.90	31.67	4.38	33.60	4.85	36.24	4.80	36.71	4.85	37.83	4.90
	27	23.27	3.38	27.47	3.96	31.67	4.44	33.60	4.93	35.90	4.88	36.36	4.93	37.47	4.98
	29	23.27	4.16	27.47	4.87	31.67	5.47	33.60	6.06	35.56	6.00	36.01	6.06	37.11	6.12
	31	23.27	4.68	27.47	5.48	31.67	6.15	33.60	6.82	35.21	6.75	35.66	6.82	36.75	6.89
	33	23.27	4.94	27.47	5.79	31.67	6.49	33.60	7.20	34.53	7.13	35.31	7.20	36.39	7.27
	35	23.27	5.20	27.47	6.09	31.67	6.84	33.60	7.58	34.19	7.51	34.96	7.58	36.03	7.65
	37	23.27	5.43	27.47	6.36	31.67	7.13	32.93	7.91	33.50	7.80	33.91	7.83	34.59	7.87
	39	23.27	5.62	27.47	6.58	31.67	7.38	32.69	8.19	33.16	8.07	33.56	8.17	33.87	8.23
	41	23.27	5.85	27.47	6.85	31.67	7.68	32.59	8.52	32.82	8.41	33.21	8.49	33.51	8.56
	43	23.27	6.14	27.47	7.19	31.67	8.07	32.26	8.94	32.48	8.86	32.86	8.93	33.33	8.97
	46	23.27	6.41	27.47	7.50	31.67	8.42	31.61	9.33	31.83	9.20	31.88	9.23	32.00	9.23
	48	23.27	6.63	27.47	7.77	31.67	8.71	31.39	9.66	31.50	9.52	31.55	9.63	31.33	9.64
	50	23.27	6.90	27.47	8.08	31.67	9.07	31.29	10.05	31.18	9.92	31.22	10.00	31.00	10.03
50%	10	19.39	2.02	22.89	2.36	26.39	2.65	28.00	2.94	30.48	2.91	32.63	2.94	33.93	2.97
	12	19.39	2.05	22.89	2.40	26.39	2.70	28.00	2.99	30.48	2.96	32.63	2.99	33.63	3.02
	14	19.39	2.09	22.89	2.45	26.39	2.74	28.00	3.04	30.48	3.01	32.34	3.04	33.33	3.07
	16	19.39	2.13	22.89	2.49	26.39	2.79	28.00	3.10	30.48	3.07	32.05	3.10	33.03	3.13
	18	19.39	2.16	22.89	2.53	26.39	2.84	28.00	3.15	30.48	3.12	31.76	3.15	32.73	3.18
	19	19.39	2.20	22.89	2.58	26.39	2.89	28.00	3.20	30.48	3.17	31.46	3.20	32.43	3.23
	21	19.39	2.24	22.89	2.62	26.39	2.94	28.00	3.26	30.48	3.22	31.17	3.26	32.13	3.29
	23	19.39	2.27	22.89	2.66	26.39	2.99	28.00	3.31	30.48	3.28	30.88	3.31	31.83	3.34
	25	19.39	2.35	22.89	2.75	26.39	3.08	28.00	3.42	30.20	3.38	30.59	3.42	31.53	3.45
	27	19.39	2.38	22.89	2.79	26.39	3.13	28.00	3.47	29.91	3.44	30.30	3.47	31.23	3.50
	29	19.39	2.93	22.89	3.43	26.39	3.85	28.00	4.27	29.63	4.23	30.01	4.27	30.93	4.31
	31	19.39	3.30	22.89	3.86	26.39	4.33	28.00	4.81	29.34	4.76	29.72	4.81	30.63	4.85
	33	19.39	3.48	22.89	4.08	26.39	4.57	28.00	5.07	28.77	5.02	29.43	5.07	30.33	5.12
	35	19.39	3.66	22.89	4.29	26.39	4.82	28.00	5.34	28.49	5.29	29.13	5.34	30.03	5.39
	37	19.39	3.82	22.89	4.48	26.39	5.03	27.44	5.57	27.92	5.49	28.26	5.52	28.82	5.55
	39	19.39	3.96	22.89	4.64	26.39	5.20	27.24	5.77	27.64	5.68	27.97	5.76	28.22	5.80
	41	19.39	4.12	22.89	4.82	26.39	5.41	27.16	6.00	27.35	5.92	27.68	5.98	27.92	6.03
	43	19.39	4.32	22.89	5.06	26.39	5.68	26.88	6.30	27.07	6.24	27.39	6.29	27.77	6.32
	46	19.39	4.51	22.89	5.29	26.39	5.93	26.34	6.57	26.52	6.48	26.56	6.50	26.66	6.50
	48	19.39	4.67	22.89	5.47	26.39	6.14	26.15	6.80	26.25	6.71	26.29	6.78	26.11	6.79
	50	19.39	4.86	22.89	5.69	26.39	6.39	26.07	7.08	25.98	6.99	26.02	7.04	25.83	7.06

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	15.51	1.60	18.31	1.87	21.11	2.10	22.40	2.33	24.39	2.31	26.10	2.33	27.14	2.35
	12	15.51	1.63	18.31	1.91	21.11	2.14	22.40	2.37	24.39	2.35	26.10	2.37	26.90	2.39
	14	15.51	1.66	18.31	1.94	21.11	2.18	22.40	2.41	24.39	2.39	25.87	2.41	26.66	2.44
	16	15.51	1.68	18.31	1.97	21.11	2.21	22.40	2.45	24.39	2.43	25.64	2.45	26.42	2.48
	18	15.51	1.71	18.31	2.01	21.11	2.25	22.40	2.50	24.39	2.47	25.40	2.50	26.18	2.52
	19	15.51	1.74	18.31	2.04	21.11	2.29	22.40	2.54	24.39	2.51	25.17	2.54	25.94	2.56
	21	15.51	1.77	18.31	2.08	21.11	2.33	22.40	2.58	24.39	2.56	24.94	2.58	25.70	2.61
	23	15.51	1.80	18.31	2.11	21.11	2.37	22.40	2.62	24.39	2.60	24.71	2.62	25.46	2.65
	25	15.51	1.86	18.31	2.18	21.11	2.44	22.40	2.71	24.16	2.68	24.47	2.71	25.22	2.74
	27	15.51	1.89	18.31	2.21	21.11	2.48	22.40	2.75	23.93	2.72	24.24	2.75	24.98	2.78
	29	15.51	2.32	18.31	2.72	21.11	3.05	22.40	3.39	23.70	3.35	24.01	3.39	24.74	3.42
	31	15.51	2.61	18.31	3.06	21.11	3.44	22.40	3.81	23.48	3.77	23.77	3.81	24.50	3.85
	33	15.51	2.76	18.31	3.23	21.11	3.63	22.40	4.02	23.02	3.98	23.54	4.02	24.26	4.06
	35	15.51	2.90	18.31	3.40	21.11	3.82	22.40	4.23	22.79	4.19	23.31	4.23	24.02	4.27
	37	15.51	3.03	18.31	3.55	21.11	3.98	21.95	4.42	22.34	4.35	22.61	4.37	23.06	4.40
	39	15.51	3.14	18.31	3.67	21.11	4.12	21.80	4.57	22.11	4.51	22.37	4.56	22.58	4.59
	41	15.51	3.26	18.31	3.82	21.11	4.29	21.73	4.76	21.88	4.69	22.14	4.74	22.34	4.78
	43	15.51	3.43	18.31	4.02	21.11	4.50	21.50	4.99	21.65	4.95	21.91	4.99	22.22	5.01
	46	15.51	3.58	18.31	4.19	21.11	4.70	21.07	5.21	21.22	5.14	21.25	5.15	21.33	5.15
	48	15.51	3.70	18.31	4.34	21.11	4.87	20.92	5.39	21.00	5.32	21.03	5.37	20.89	5.38
	50	15.51	3.85	18.31	4.51	21.11	5.06	20.86	5.61	20.79	5.54	20.81	5.58	20.66	5.60
30%	10	11.63	1.46	13.73	1.71	15.83	1.92	16.80	2.13	18.29	2.11	19.58	2.13	20.36	2.15
	12	11.63	1.49	13.73	1.74	15.83	1.96	16.80	2.17	18.29	2.15	19.58	2.17	20.18	2.19
	14	11.63	1.51	13.73	1.77	15.83	1.99	16.80	2.21	18.29	2.19	19.40	2.21	20.00	2.23
	16	11.63	1.54	13.73	1.81	15.83	2.03	16.80	2.25	18.29	2.22	19.23	2.25	19.82	2.27
	18	11.63	1.57	13.73	1.84	15.83	2.06	16.80	2.29	18.29	2.26	19.05	2.29	19.64	2.31
	19	11.63	1.59	13.73	1.87	15.83	2.10	16.80	2.32	18.29	2.30	18.88	2.32	19.46	2.35
	21	11.63	1.62	13.73	1.90	15.83	2.13	16.80	2.36	18.29	2.34	18.70	2.36	19.28	2.39
	23	11.63	1.65	13.73	1.93	15.83	2.17	16.80	2.40	18.29	2.38	18.53	2.40	19.10	2.42
	25	11.63	1.70	13.73	1.99	15.83	2.24	16.80	2.48	18.12	2.45	18.35	2.48	18.92	2.50
	27	11.63	1.73	13.73	2.02	15.83	2.27	16.80	2.52	17.95	2.49	18.18	2.52	18.74	2.54
	29	11.63	2.13	13.73	2.49	15.83	2.79	16.80	3.10	17.78	3.07	18.00	3.10	18.56	3.13
	31	11.63	2.39	13.73	2.80	15.83	3.14	16.80	3.49	17.61	3.45	17.83	3.49	18.38	3.52
	33	11.63	2.52	13.73	2.96	15.83	3.32	16.80	3.68	17.26	3.64	17.66	3.68	18.20	3.72
	35	11.63	2.66	13.73	3.11	15.83	3.49	16.80	3.87	17.09	3.83	17.48	3.87	18.02	3.91
	37	11.63	2.77	13.73	3.25	15.83	3.65	16.46	4.04	16.75	3.98	16.96	4.00	17.29	4.02
	39	11.63	2.87	13.73	3.36	15.83	3.77	16.35	4.18	16.58	4.12	16.78	4.17	16.93	4.20
	41	11.63	2.99	13.73	3.50	15.83	3.93	16.30	4.35	16.41	4.30	16.61	4.34	16.75	4.37
	43	11.63	3.14	13.73	3.67	15.83	4.12	16.13	4.57	16.24	4.53	16.43	4.56	16.66	4.58
	46	11.63	3.27	13.73	3.83	15.83	4.30	15.81	4.77	15.91	4.70	15.94	4.72	16.00	4.71
	48	11.63	3.39	13.73	3.97	15.83	4.45	15.69	4.94	15.75	4.86	15.77	4.92	15.66	4.93
	50	11.63	3.53	13.73	4.13	15.83	4.63	15.64	5.14	15.59	5.07	15.61	5.11	15.50	5.12
20%	10	7.76	0.85	9.16	0.99	10.56	1.11	11.20	1.23	12.19	1.22	13.05	1.23	13.57	1.24
	12	7.76	0.86	9.16	1.01	10.56	1.13	11.20	1.25	12.19	1.24	13.05	1.25	13.45	1.27
	14	7.76	0.88	9.16	1.03	10.56	1.15	11.20	1.28	12.19	1.26	12.94	1.28	13.33	1.29
	16	7.76	0.89	9.16	1.04	10.56	1.17	11.20	1.30	12.19	1.29	12.82	1.30	13.21	1.31
	18	7.76	0.91	9.16	1.06	10.56	1.19	11.20	1.32	12.19	1.31	12.70	1.32	13.09	1.34
	19	7.76	0.92	9.16	1.08	10.56	1.21	11.20	1.34	12.19	1.33	12.59	1.34	12.97	1.36
	21	7.76	0.94	9.16	1.10	10.56	1.23	11.20	1.37	12.19	1.35	12.47	1.37	12.85	1.38
	23	7.76	0.95	9.16	1.12	10.56	1.25	11.20	1.39	12.19	1.38	12.35	1.39	12.73	1.40
	25	7.76	0.98	9.16	1.15	10.56	1.29	11.20	1.43	12.08	1.42	12.24	1.43	12.61	1.45
	27	7.76	1.00	9.16	1.17	10.56	1.31	11.20	1.46	11.97	1.44	12.12	1.46	12.49	1.47
	29	7.76	1.23	9.16	1.44	10.56	1.62	11.20	1.79	11.85	1.78	12.00	1.79	12.37	1.81
	31	7.76	1.38	9.16	1.62	10.56	1.82	11.20	2.02	11.74	2.00	11.89	2.02	12.25	2.04
	33	7.76	1.46	9.16	1.71	10.56	1.92	11.20	2.13	11.51	2.11	11.77	2.13	12.13	2.15
	35	7.76	1.54	9.16	1.80	10.56	2.02	11.20	2.24	11.40	2.22	11.65	2.24	12.01	2.26
	37	7.76	1.60	9.16	1.88	10.56	2.11	10.98	2.34	11.17	2.30	11.30	2.32	11.53	2.33
	39	7.76	1.66	9.16	1.95	10.56	2.18	10.90	2.42	11.05	2.39	11.19	2.42	11.29	2.43
	41	7.76	1.73	9.16	2.02	10.56	2.27	10.86	2.52	10.94	2.49	11.07	2.51	11.17	2.53
	43	7.76	1.81	9.16	2.13	10.56	2.38	10.75	2.64	10.83	2.62	10.95	2.64	11.11	2.65
	46	7.76	1.89	9.16	2.22	10.56	2.49	10.54	2.76	10.61	2.72	10.63	2.73	10.67	2.73
	48	7.76	1.96	9.16	2.30	10.56	2.58	10.46	2.86	10.50	2.81	10.52	2.85	10.44	2.85
	50	7.76	2.04	9.16	2.39	10.56	2.68	10.43	2.97	10.39	2.93	10.41	2.96	10.33	2.96

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR220ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	46.70	7.99	55.12	9.36	63.55	10.50	67.43	12.10	73.41	11.53	78.58	11.64	81.71	11.76
	12	46.70	8.14	55.12	9.53	63.55	10.69	67.43	12.32	73.41	11.74	78.58	11.86	80.99	11.97
	14	46.70	8.28	55.12	9.70	63.55	10.88	67.43	12.54	73.41	11.95	77.88	12.07	80.26	12.19
	16	46.70	8.43	55.12	9.87	63.55	11.08	67.43	12.76	73.41	12.16	77.18	12.28	79.54	12.40
	18	46.70	8.57	55.12	10.04	63.55	11.27	67.43	12.98	73.41	12.37	76.48	12.49	78.82	12.61
	19	46.70	8.72	55.12	10.21	61.65	11.46	67.43	13.20	73.41	12.58	75.77	12.70	78.09	12.83
	21	46.70	8.86	55.12	10.38	63.55	11.65	67.43	13.42	73.41	12.79	75.07	12.91	77.37	13.04
	23	46.70	9.01	55.12	10.55	63.55	11.84	67.43	13.64	73.41	13.00	74.37	13.13	76.65	13.25
	25	46.70	9.30	55.12	10.89	63.55	12.22	67.43	14.08	72.73	13.42	73.67	13.55	75.92	13.68
	27	46.70	9.44	55.12	11.06	63.55	12.41	67.43	14.30	72.04	13.63	72.97	13.76	75.20	13.90
	29	46.70	11.62	55.12	13.62	63.55	15.28	67.43	17.60	71.35	16.77	72.27	16.94	74.48	17.10
	31	46.70	13.08	55.12	15.32	63.55	17.19	67.43	19.80	70.67	18.87	71.56	19.05	73.76	19.24
	33	46.70	13.80	55.12	16.17	63.55	18.14	67.43	20.90	69.30	19.92	70.86	20.11	73.03	20.31
	35	46.70	14.53	55.12	17.02	63.55	19.10	67.43	22.00	68.61	20.96	70.16	21.17	72.31	21.38
	37	46.70	15.16	55.12	17.76	63.55	19.93	66.08	22.96	67.24	21.77	68.06	21.88	69.42	21.99
	39	46.70	15.69	55.12	18.38	63.55	20.62	65.61	23.76	66.55	22.54	67.35	22.82	67.97	22.98
	41	46.70	16.33	55.12	19.13	63.55	21.46	65.41	24.73	65.87	23.48	66.65	23.71	67.25	23.90
	43	46.70	17.14	55.12	20.08	63.55	22.53	64.73	25.96	65.18	24.74	65.95	24.94	66.89	25.06
	46	46.70	17.89	55.12	20.96	63.55	23.52	63.44	27.09	63.88	25.69	63.97	25.78	64.21	25.77
	48	46.70	18.52	55.12	21.69	63.55	24.34	62.99	28.04	63.22	26.59	63.31	26.88	62.87	26.94
	50	46.70	19.27	55.12	22.57	63.55	25.33	62.79	29.18	62.57	27.71	62.65	27.93	62.20	28.01
120%	10	45.94	7.91	54.23	9.27	62.52	10.40	66.33	11.98	72.22	11.42	77.30	11.53	80.38	11.64
	12	45.94	8.06	54.23	9.44	62.52	10.59	66.33	12.20	72.22	11.63	77.30	11.74	79.67	11.86
	14	45.94	8.20	54.23	9.61	62.52	10.78	66.33	12.42	72.22	11.83	76.61	11.95	78.96	12.07
	16	45.94	8.35	54.23	9.78	62.52	10.97	66.33	12.64	72.22	12.04	75.92	12.16	78.24	12.28
	18	45.94	8.49	54.23	9.94	62.52	11.16	66.33	12.85	72.22	12.25	75.23	12.37	77.53	12.49
	19	45.94	8.63	54.23	10.11	62.52	11.35	66.33	13.07	72.22	12.46	74.54	12.58	76.82	12.70
	21	45.94	8.78	54.23	10.28	62.52	11.54	66.33	13.29	72.22	12.66	73.85	12.79	76.11	12.91
	23	45.94	8.92	54.23	10.45	62.52	11.72	66.33	13.51	72.22	12.87	73.16	13.00	75.40	13.13
	25	45.94	9.21	54.23	10.79	62.52	12.10	66.33	13.94	71.54	13.29	72.47	13.42	74.69	13.55
	27	45.94	9.35	54.23	10.96	62.52	12.29	66.33	14.16	70.87	13.49	71.78	13.63	73.98	13.76
	29	45.94	11.51	54.23	13.48	62.52	15.13	66.33	17.43	70.19	16.61	71.09	16.77	73.27	16.94
	31	45.94	12.95	54.23	15.17	62.52	17.02	66.33	19.61	69.52	18.68	70.40	18.87	72.55	19.05
	33	45.94	13.67	54.23	16.01	62.52	17.96	66.33	20.70	68.17	19.72	69.71	19.92	71.84	20.11
	35	45.94	14.39	54.23	16.85	62.52	18.91	66.33	21.79	67.49	20.76	69.02	20.97	71.13	21.17
	37	45.94	15.02	54.23	17.59	62.52	19.73	65.01	22.74	66.14	21.56	66.95	21.67	68.29	21.78
	39	45.94	15.54	54.23	18.20	62.52	20.42	64.54	23.53	65.47	22.32	66.26	22.60	66.86	22.76
	41	45.94	16.17	54.23	18.94	62.52	21.26	64.34	24.49	64.79	23.25	65.57	23.48	66.15	23.67
	43	45.94	16.98	54.23	19.89	62.52	22.31	63.68	25.71	64.12	24.50	64.88	24.70	65.80	24.81
	46	45.94	17.72	54.23	20.76	62.52	23.29	62.41	26.83	62.84	25.44	62.93	25.53	63.16	25.52
	48	45.94	18.34	54.23	21.48	62.52	24.10	61.96	27.77	62.19	26.33	62.28	26.62	61.85	26.67
	50	45.94	19.08	54.23	22.35	62.52	25.08	61.77	28.90	61.55	27.44	61.63	27.66	61.19	27.74
110%	10	45.17	7.73	53.33	9.05	61.48	10.15	65.23	11.70	71.02	11.15	76.02	11.26	79.05	11.37
	12	45.17	7.87	53.33	9.21	61.48	10.34	65.23	11.91	71.02	11.35	76.02	11.46	78.35	11.57
	14	45.17	8.01	53.33	9.38	61.48	10.52	65.23	12.12	71.02	11.55	75.34	11.67	77.65	11.78
	16	45.17	8.15	53.33	9.54	61.48	10.71	65.23	12.34	71.02	11.75	74.66	11.87	76.95	11.99
	18	45.17	8.29	53.33	9.71	61.48	10.89	65.23	12.55	71.02	11.96	73.98	12.08	76.25	12.19
	19	45.17	8.43	53.33	9.87	61.48	11.08	65.23	12.76	71.02	12.16	73.31	12.28	75.55	12.40
	21	45.17	8.57	53.33	10.04	61.48	11.26	65.23	12.97	71.02	12.36	72.63	12.48	74.85	12.61
	23	45.17	8.71	53.33	10.20	61.48	11.45	65.23	13.19	71.02	12.56	71.95	12.69	74.15	12.81
	25	45.17	8.99	53.33	10.53	61.48	11.81	65.23	13.61	70.36	12.97	71.27	13.10	73.45	13.23
	27	45.17	9.13	53.33	10.69	61.48	12.00	65.23	13.82	69.69	13.17	70.59	13.30	72.75	13.43
	29	45.17	11.24	53.33	13.16	61.48	14.77	65.23	17.02	69.03	16.21	69.91	16.37	72.05	16.53
	31	45.17	12.64	53.33	14.81	61.48	16.61	65.23	19.14	68.37	18.24	69.23	18.42	71.35	18.60
	33	45.17	13.34	53.33	15.63	61.48	17.54	65.23	20.21	67.04	19.25	68.55	19.44	70.65	19.63
	35	45.17	14.05	53.33	16.45	61.48	18.46	65.23	21.27	66.38	20.27	67.88	20.47	69.95	20.67
	37	45.17	14.66	53.33	17.17	61.48	19.26	63.93	22.20	65.05	21.05	65.84	21.15	67.16	21.26
	39	45.17	15.17	53.33	17.77	61.48	19.94	63.47	22.97	64.38	21.79	65.16	22.06	65.76	22.22
	41	45.17	15.79	53.33	18.49	61.48	20.75	63.28	23.91	63.72	22.70	64.48	22.92	65.06	23.11
	43	45.17	16.57	53.33	19.42	61.48	21.78	62.62	25.10	63.06	23.91	63.80	24.11	64.71	24.22
	46	45.17	17.30	53.33	20.26	61.48	22.73	61.37	26.19	61.80	24.84	61.89	24.92	62.12	24.91
	48	45.17	17.90	53.33	20.97	61.48	23.53	60.93	27.11	61.17	25.71	61.25	25.99	60.82	26.04
	50	45.17	18.63	53.33	21.82	61.48	24.48	60.75	28.21	60.53	26.78	60.61	27.00	60.18	27.08

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	42.59	7.32	50.28	8.57	57.96	9.61	61.50	10.45	66.96	10.55	71.67	10.66	74.52	10.76
	12	42.59	7.45	50.28	8.72	57.96	9.79	61.50	10.64	66.96	10.75	71.67	10.85	73.86	10.96
	14	42.59	7.58	50.28	8.88	57.96	9.96	61.50	10.83	66.96	10.94	71.03	11.05	73.20	11.15
	16	42.59	7.71	50.28	9.04	57.96	10.14	61.50	11.02	66.96	11.13	70.39	11.24	72.54	11.35
	18	42.59	7.85	50.28	9.19	57.96	10.31	61.50	11.21	66.96	11.32	69.75	11.43	71.88	11.55
	19	42.59	7.98	50.28	9.35	57.96	10.49	61.50	11.40	66.96	11.51	69.11	11.63	71.23	11.74
	21	42.59	8.11	50.28	9.50	57.96	10.66	61.50	11.59	66.96	11.71	68.47	11.82	70.57	11.94
	23	42.59	8.25	50.28	9.66	57.96	10.84	61.50	11.78	66.96	11.90	67.83	12.02	69.91	12.13
	25	42.59	8.51	50.28	9.97	57.96	11.19	61.50	12.16	66.33	12.28	67.19	12.40	69.25	12.52
	27	42.59	8.65	50.28	10.13	57.96	11.36	61.50	12.35	65.71	12.47	66.55	12.60	68.59	12.72
	29	42.59	10.64	50.28	12.46	57.96	13.98	61.50	15.20	65.08	15.35	65.91	15.50	67.93	15.66
	31	42.59	11.97	50.28	14.02	57.96	15.73	61.50	17.10	64.45	17.27	65.27	17.44	67.27	17.61
	33	42.59	12.64	50.28	14.80	57.96	16.61	61.50	18.05	63.20	18.23	64.63	18.41	66.61	18.59
	35	42.59	13.30	50.28	15.58	57.96	17.48	61.50	19.00	62.58	19.19	63.99	19.38	65.95	19.57
	37	42.59	13.88	50.28	16.26	57.96	18.24	60.27	19.83	61.32	19.93	62.07	20.03	63.31	20.13
	39	42.59	14.36	50.28	16.83	57.96	18.88	59.84	20.52	60.70	20.63	61.43	20.89	61.99	21.04
	41	42.59	14.95	50.28	17.51	57.96	19.65	59.66	21.36	60.07	21.49	60.79	21.71	61.33	21.88
	43	42.59	15.69	50.28	18.38	57.96	20.63	59.04	22.42	59.45	22.64	60.15	22.83	61.00	22.94
	46	42.59	16.38	50.28	19.19	57.96	21.53	57.86	23.40	58.26	23.52	58.35	23.60	58.56	23.59
	48	42.59	16.95	50.28	19.86	57.96	22.28	57.45	24.21	57.66	24.34	57.75	24.61	57.34	24.66
	50	42.59	17.64	50.28	20.66	57.96	23.18	57.27	25.20	57.07	25.36	57.14	25.57	56.73	25.64
90%	10	38.33	6.14	45.25	7.19	52.17	8.07	55.35	9.30	60.26	8.86	64.50	8.95	67.07	9.03
	12	38.33	6.25	45.25	7.32	52.17	8.22	55.35	9.47	60.26	9.02	64.50	9.11	66.48	9.20
	14	38.33	6.36	45.25	7.45	52.17	8.36	55.35	9.64	60.26	9.18	63.93	9.27	65.88	9.36
	16	38.33	6.48	45.25	7.59	52.17	8.51	55.35	9.81	60.26	9.34	63.35	9.44	65.29	9.53
	18	38.33	6.59	45.25	7.72	52.17	8.66	55.35	9.97	60.26	9.50	62.77	9.60	64.70	9.69
	19	38.33	6.70	45.25	7.85	52.17	8.80	55.35	10.14	60.26	9.66	62.20	9.76	64.10	9.86
	21	38.33	6.81	45.25	7.98	52.17	8.95	55.35	10.31	60.26	9.83	61.62	9.92	63.51	10.02
	23	38.33	6.92	45.25	8.11	52.17	9.10	55.35	10.48	60.26	9.99	61.05	10.09	62.92	10.18
	25	38.33	7.14	45.25	8.37	52.17	9.39	55.35	10.82	59.70	10.31	60.47	10.41	62.32	10.51
	27	38.33	7.26	45.25	8.50	52.17	9.54	55.35	10.99	59.13	10.47	59.90	10.57	61.73	10.68
	29	38.33	8.93	45.25	10.46	52.17	11.74	55.35	13.52	58.57	12.89	59.32	13.01	61.14	13.14
	31	38.33	10.05	45.25	11.77	52.17	13.21	55.35	15.21	58.01	14.50	58.74	14.64	60.54	14.78
	33	38.33	10.61	45.25	12.42	52.17	13.94	55.35	16.06	56.88	15.30	58.17	15.45	59.95	15.61
	35	38.33	11.16	45.25	13.08	52.17	14.67	55.35	16.91	56.32	16.11	57.59	16.27	59.35	16.43
	37	38.33	11.65	45.25	13.65	52.17	15.31	54.24	17.64	55.19	16.73	55.86	16.81	56.98	16.90
	39	38.33	12.06	45.25	14.12	52.17	15.85	53.86	18.26	54.63	17.32	55.29	17.54	55.79	17.66
	41	38.33	12.55	45.25	14.70	52.17	16.49	53.69	19.00	54.07	18.04	54.71	18.22	55.20	18.37
	43	38.33	13.17	45.25	15.43	52.17	17.31	53.14	19.95	53.50	19.01	54.14	19.16	54.90	19.25
	46	38.33	13.75	45.25	16.10	52.17	18.07	52.07	20.82	52.43	19.74	52.51	19.81	52.71	19.80
	48	38.33	14.23	45.25	16.67	52.17	18.70	51.70	21.54	51.90	20.43	51.97	20.66	51.61	20.70
	50	38.33	14.81	45.25	17.35	52.17	19.46	51.54	22.42	51.36	21.29	51.43	21.46	51.06	21.52
80%	10	34.07	5.03	40.22	5.89	46.37	6.61	49.20	7.62	53.57	7.26	57.34	7.33	59.62	7.40
	12	34.07	5.12	40.22	6.00	46.37	6.73	49.20	7.76	53.57	7.39	57.34	7.47	59.09	7.54
	14	34.07	5.21	40.22	6.11	46.37	6.85	49.20	7.90	53.57	7.52	56.82	7.60	58.56	7.67
	16	34.07	5.31	40.22	6.22	46.37	6.97	49.20	8.04	53.57	7.66	56.31	7.73	58.04	7.81
	18	34.07	5.40	40.22	6.32	46.37	7.09	49.20	8.17	53.57	7.79	55.80	7.87	57.51	7.94
	19	34.07	5.49	40.22	6.43	46.37	7.21	49.20	8.31	53.57	7.92	55.29	8.00	56.98	8.08
	21	34.07	5.58	40.22	6.54	46.37	7.33	49.20	8.45	53.57	8.05	54.78	8.13	56.45	8.21
	23	34.07	5.67	40.22	6.64	46.37	7.45	49.20	8.59	53.57	8.18	54.26	8.27	55.93	8.35
	25	34.07	5.86	40.22	6.86	46.37	7.70	49.20	8.87	53.06	8.45	53.75	8.53	55.40	8.62
	27	34.07	5.95	40.22	6.97	46.37	7.82	49.20	9.01	52.56	8.58	53.24	8.67	54.87	8.75
	29	34.07	7.32	40.22	8.57	46.37	9.62	49.20	11.08	52.06	10.56	52.73	10.66	54.34	10.77
	31	34.07	8.23	40.22	9.65	46.37	10.82	49.20	12.47	51.56	11.88	52.22	12.00	53.81	12.12
	33	34.07	8.69	40.22	10.18	46.37	11.42	49.20	13.16	50.56	12.54	51.70	12.66	53.29	12.79
	35	34.07	9.15	40.22	10.72	46.37	12.02	49.20	13.85	50.06	13.20	51.19	13.33	52.76	13.46
	37	34.07	9.55	40.22	11.18	46.37	12.55	48.22	14.46	49.06	13.71	49.66	13.78	50.65	13.85
	39	34.07	9.88	40.22	11.57	46.37	12.99	47.87	14.96	48.56	14.19	49.14	14.37	49.59	14.47
	41	34.07	10.28	40.22	12.05	46.37	13.52	47.72	15.57	48.06	14.78	48.63	14.93	49.07	15.05
	43	34.07	10.80	40.22	12.65	46.37	14.19	47.23	16.35	47.56	15.58	48.12	15.70	48.80	15.78
	46	34.07	11.27	40.22	13.20	46.37	14.81	46.29	17.06	46.61	16.18	46.68	16.23	46.85	16.23
	48	34.07	11.66	40.22	13.66	46.37	15.32	45.96	17.66	46.13	16.74	46.20	16.93	45.87	16.96
	50	34.07	12.13	40.22	14.21	46.37	15.95	45.82	18.37	45.66	17.45	45.71	17.59	45.39	17.64

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	29.81	4.00	35.19	4.69	40.57	5.26	43.05	6.06	46.87	5.77	50.17	5.83	52.17	5.89
	12	29.81	4.07	35.19	4.77	40.57	5.35	43.05	6.17	46.87	5.88	50.17	5.94	51.70	5.99
	14	29.81	4.15	35.19	4.86	40.57	5.45	43.05	6.28	46.87	5.98	49.72	6.04	51.24	6.10
	16	29.81	4.22	35.19	4.94	40.57	5.55	43.05	6.39	46.87	6.09	49.27	6.15	50.78	6.21
	18	29.81	4.29	35.19	5.03	40.57	5.64	43.05	6.50	46.87	6.19	48.82	6.25	50.32	6.32
	19	29.81	4.36	35.19	5.11	40.57	5.74	43.05	6.61	46.87	6.30	48.38	6.36	49.86	6.42
	21	29.81	4.44	35.19	5.20	40.57	5.83	43.05	6.72	46.87	6.40	47.93	6.47	49.40	6.53
	23	29.81	4.51	35.19	5.28	40.57	5.93	43.05	6.83	46.87	6.51	47.48	6.57	48.93	6.64
	25	29.81	4.66	35.19	5.45	40.57	6.12	43.05	7.05	46.43	6.72	47.03	6.78	48.47	6.85
	27	29.81	4.73	35.19	5.54	40.57	6.21	43.05	7.16	45.99	6.82	46.59	6.89	48.01	6.96
	29	29.81	5.82	35.19	6.82	40.57	7.65	43.05	8.81	45.56	8.40	46.14	8.48	47.55	8.56
	31	29.81	6.55	35.19	7.67	40.57	8.60	43.05	9.91	45.12	9.45	45.69	9.54	47.09	9.63
	33	29.81	6.91	35.19	8.10	40.57	9.08	43.05	10.47	44.24	9.97	45.24	10.07	46.63	10.17
	35	29.81	7.27	35.19	8.52	40.57	9.56	43.05	11.02	43.80	10.50	44.79	10.60	46.16	10.70
	37	29.81	7.59	35.19	8.89	40.57	9.98	42.19	11.50	42.93	10.90	43.45	10.96	44.32	11.01
	39	29.81	7.86	35.19	9.20	40.57	10.33	41.89	11.90	42.49	11.28	43.00	11.43	43.39	11.51
	41	29.81	8.18	35.19	9.58	40.57	10.75	41.76	12.38	42.05	11.76	42.55	11.87	42.93	11.97
	43	29.81	8.58	35.19	10.06	40.57	11.28	41.33	13.00	41.61	12.39	42.11	12.49	42.70	12.55
	46	29.81	8.96	35.19	10.49	40.57	11.77	40.50	13.57	40.78	12.86	40.84	12.91	40.99	12.90
	48	29.81	9.27	35.19	10.86	40.57	12.18	40.21	14.04	40.36	13.31	40.42	13.46	40.14	13.49
	50	29.81	9.65	35.19	11.30	40.57	12.68	40.09	14.61	39.95	13.87	40.00	13.99	39.71	14.03
60%	10	25.55	3.04	30.17	3.56	34.78	3.99	36.90	4.60	40.17	4.38	43.00	4.43	44.71	4.47
	12	25.55	3.09	30.17	3.62	34.78	4.06	36.90	4.68	40.17	4.46	43.00	4.51	44.32	4.55
	14	25.55	3.15	30.17	3.69	34.78	4.14	36.90	4.77	40.17	4.54	42.62	4.59	43.92	4.63
	16	25.55	3.20	30.17	3.75	34.78	4.21	36.90	4.85	40.17	4.62	42.23	4.67	43.53	4.71
	18	25.55	3.26	30.17	3.82	34.78	4.28	36.90	4.93	40.17	4.70	41.85	4.75	43.13	4.79
	19	25.55	3.31	30.17	3.88	34.78	4.35	36.90	5.02	40.17	4.78	41.47	4.83	42.74	4.87
	21	25.55	3.37	30.17	3.95	34.78	4.43	36.90	5.10	40.17	4.86	41.08	4.91	42.34	4.96
	23	25.55	3.42	30.17	4.01	34.78	4.50	36.90	5.18	40.17	4.94	40.70	4.99	41.94	5.04
	25	25.55	3.53	30.17	4.14	34.78	4.64	36.90	5.35	39.80	5.10	40.31	5.15	41.55	5.20
	27	25.55	3.59	30.17	4.20	34.78	4.72	36.90	5.43	39.42	5.18	39.93	5.23	41.15	5.28
	29	25.55	4.42	30.17	5.17	34.78	5.81	36.90	6.69	39.05	6.37	39.55	6.44	40.76	6.50
	31	25.55	4.97	30.17	5.82	34.78	6.53	36.90	7.53	38.67	7.17	39.16	7.24	40.36	7.31
	33	25.55	5.25	30.17	6.14	34.78	6.89	36.90	7.94	37.92	7.57	38.78	7.64	39.97	7.72
	35	25.55	5.52	30.17	6.47	34.78	7.26	36.90	8.36	37.55	7.97	38.39	8.05	39.57	8.12
	37	25.55	5.76	30.17	6.75	34.78	7.57	36.16	8.73	36.79	8.27	37.24	8.32	37.99	8.36
	39	25.55	5.96	30.17	6.99	34.78	7.84	35.90	9.03	36.42	8.56	36.86	8.67	37.20	8.73
	41	25.55	6.21	30.17	7.27	34.78	8.16	35.79	9.40	36.04	8.92	36.47	9.01	36.80	9.08
	43	25.55	6.52	30.17	7.63	34.78	8.56	35.42	9.87	35.67	9.40	36.09	9.48	36.60	9.52
	46	25.55	6.80	30.17	7.97	34.78	8.94	34.72	10.30	34.96	9.76	35.01	9.80	35.14	9.79
	48	25.55	7.04	30.17	8.24	34.78	9.25	34.47	10.66	34.60	10.11	34.65	10.22	34.41	10.24
	50	25.55	7.32	30.17	8.58	34.78	9.62	34.36	11.09	34.24	10.53	34.29	10.62	34.04	10.65
50%	10	21.29	2.14	25.14	2.51	28.98	2.81	30.75	3.24	33.48	3.09	35.83	3.12	37.26	3.15
	12	21.29	2.18	25.14	2.55	28.98	2.86	30.75	3.30	33.48	3.14	35.83	3.17	36.93	3.20
	14	21.29	2.22	25.14	2.60	28.98	2.91	30.75	3.36	33.48	3.20	35.51	3.23	36.60	3.26
	16	21.29	2.26	25.14	2.64	28.98	2.96	30.75	3.42	33.48	3.25	35.19	3.29	36.27	3.32
	18	21.29	2.29	25.14	2.69	28.98	3.02	30.75	3.47	33.48	3.31	34.87	3.34	35.94	3.38
	19	21.29	2.33	25.14	2.73	28.98	3.07	30.75	3.53	33.48	3.37	34.56	3.40	35.61	3.43
	21	21.29	2.37	25.14	2.78	28.98	3.12	30.75	3.59	33.48	3.42	34.24	3.46	35.28	3.49
	23	21.29	2.41	25.14	2.82	28.98	3.17	30.75	3.65	33.48	3.48	33.92	3.51	34.95	3.55
	25	21.29	2.49	25.14	2.92	28.98	3.27	30.75	3.77	33.17	3.59	33.60	3.63	34.62	3.66
	27	21.29	2.53	25.14	2.96	28.98	3.32	30.75	3.83	32.85	3.65	33.28	3.68	34.29	3.72
	29	21.29	3.11	25.14	3.64	28.98	4.09	30.75	4.71	32.54	4.49	32.96	4.53	33.96	4.58
	31	21.29	3.50	25.14	4.10	28.98	4.60	30.75	5.30	32.23	5.05	32.64	5.10	33.63	5.15
	33	21.29	3.69	25.14	4.33	28.98	4.86	30.75	5.59	31.60	5.33	32.32	5.38	33.30	5.44
	35	21.29	3.89	25.14	4.56	28.98	5.11	30.75	5.89	31.29	5.61	32.00	5.67	32.97	5.72
	37	21.29	4.06	25.14	4.75	28.98	5.33	30.14	6.15	30.66	5.83	31.04	5.86	31.66	5.89
	39	21.29	4.20	25.14	4.92	28.98	5.52	29.92	6.36	30.35	6.03	30.72	6.11	31.00	6.15
	41	21.29	4.37	25.14	5.12	28.98	5.75	29.83	6.62	30.04	6.29	30.40	6.35	30.67	6.40
	43	21.29	4.59	25.14	5.38	28.98	6.03	29.52	6.95	29.72	6.62	30.08	6.68	30.50	6.71
	46	21.29	4.79	25.14	5.61	28.98	6.29	28.93	7.25	29.13	6.88	29.17	6.90	29.28	6.90
	48	21.29	4.96	25.14	5.81	28.98	6.51	28.72	7.51	28.83	7.12	28.87	7.20	28.67	7.21
	50	21.29	5.16	25.14	6.04	28.98	6.78	28.63	7.81	28.53	7.42	28.57	7.48	28.37	7.50

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	17.04	1.70	20.11	1.99	23.19	2.23	24.60	2.57	26.78	2.45	28.67	2.47	29.81	2.50
	12	17.04	1.73	20.11	2.02	23.19	2.27	24.60	2.61	26.78	2.49	28.67	2.52	29.55	2.54
	14	17.04	1.76	20.11	2.06	23.19	2.31	24.60	2.66	26.78	2.54	28.41	2.56	29.28	2.59
	16	17.04	1.79	20.11	2.09	23.19	2.35	24.60	2.71	26.78	2.58	28.16	2.61	29.02	2.63
	18	17.04	1.82	20.11	2.13	23.19	2.39	24.60	2.75	26.78	2.62	27.90	2.65	28.75	2.68
	19	17.04	1.85	20.11	2.17	23.19	2.43	24.60	2.80	26.78	2.67	27.64	2.70	28.49	2.72
	21	17.04	1.88	20.11	2.20	23.19	2.47	24.60	2.85	26.78	2.71	27.39	2.74	28.23	2.77
	23	17.04	1.91	20.11	2.24	23.19	2.51	24.60	2.89	26.78	2.76	27.13	2.79	27.96	2.81
	25	17.04	1.97	20.11	2.31	23.19	2.59	24.60	2.99	26.53	2.85	26.88	2.88	27.70	2.90
	27	17.04	2.00	20.11	2.35	23.19	2.63	24.60	3.03	26.28	2.89	26.62	2.92	27.44	2.95
	29	17.04	2.47	20.11	2.89	23.19	3.24	24.60	3.74	26.03	3.56	26.36	3.59	27.17	3.63
	31	17.04	2.77	20.11	3.25	23.19	3.65	24.60	4.20	25.78	4.00	26.11	4.04	26.91	4.08
	33	17.04	2.93	20.11	3.43	23.19	3.85	24.60	4.44	25.28	4.23	25.85	4.27	26.64	4.31
	35	17.04	3.08	20.11	3.61	23.19	4.05	24.60	4.67	25.03	4.45	25.60	4.49	26.38	4.54
	37	17.04	3.22	20.11	3.77	23.19	4.23	24.11	4.87	24.53	4.62	24.83	4.64	25.32	4.67
	39	17.04	3.33	20.11	3.90	23.19	4.38	23.94	5.04	24.28	4.78	24.57	4.84	24.80	4.88
	41	17.04	3.47	20.11	4.06	23.19	4.55	23.86	5.25	24.03	4.98	24.32	5.03	24.53	5.07
	43	17.04	3.64	20.11	4.26	23.19	4.78	23.62	5.51	23.78	5.25	24.06	5.29	24.40	5.32
	46	17.04	3.80	20.11	4.45	23.19	4.99	23.14	5.75	23.30	5.45	23.34	5.47	23.43	5.47
	48	17.04	3.93	20.11	4.60	23.19	5.16	22.98	5.95	23.07	5.64	23.10	5.71	22.94	5.72
	50	17.04	4.09	20.11	4.79	23.19	5.37	22.91	6.19	22.83	5.88	22.86	5.93	22.69	5.94
30%	10	12.78	1.55	15.08	1.82	17.39	2.04	18.45	2.35	20.09	2.24	21.50	2.26	22.36	2.28
	12	12.78	1.58	15.08	1.85	17.39	2.08	18.45	2.39	20.09	2.28	21.50	2.30	22.16	2.32
	14	12.78	1.61	15.08	1.88	17.39	2.11	18.45	2.44	20.09	2.32	21.31	2.34	21.96	2.37
	16	12.78	1.64	15.08	1.92	17.39	2.15	18.45	2.48	20.09	2.36	21.12	2.38	21.76	2.41
	18	12.78	1.66	15.08	1.95	17.39	2.19	18.45	2.52	20.09	2.40	20.92	2.43	21.57	2.45
	19	12.78	1.69	15.08	1.98	17.39	2.22	18.45	2.56	20.09	2.44	20.73	2.47	21.37	2.49
	21	12.78	1.72	15.08	2.02	17.39	2.26	18.45	2.61	20.09	2.48	20.54	2.51	21.17	2.53
	23	12.78	1.75	15.08	2.05	17.39	2.30	18.45	2.65	20.09	2.52	20.35	2.55	20.97	2.57
	25	12.78	1.81	15.08	2.12	17.39	2.37	18.45	2.73	19.90	2.61	20.16	2.63	20.77	2.66
	27	12.78	1.83	15.08	2.15	17.39	2.41	18.45	2.78	19.71	2.65	19.97	2.67	20.58	2.70
	29	12.78	2.26	15.08	2.64	17.39	2.97	18.45	3.42	19.52	3.26	19.77	3.29	20.38	3.32
	31	12.78	2.54	15.08	2.97	17.39	3.34	18.45	3.84	19.34	3.66	19.58	3.70	20.18	3.74
	33	12.78	2.68	15.08	3.14	17.39	3.52	18.45	4.06	18.96	3.87	19.39	3.91	19.98	3.94
	35	12.78	2.82	15.08	3.30	17.39	3.71	18.45	4.27	18.77	4.07	19.20	4.11	19.78	4.15
	37	12.78	2.94	15.08	3.45	17.39	3.87	18.08	4.46	18.40	4.23	18.62	4.25	18.99	4.27
	39	12.78	3.05	15.08	3.57	17.39	4.00	17.95	4.61	18.21	4.38	18.43	4.43	18.60	4.46
	41	12.78	3.17	15.08	3.71	17.39	4.17	17.90	4.80	18.02	4.56	18.24	4.60	18.40	4.64
	43	12.78	3.33	15.08	3.90	17.39	4.38	17.71	5.04	17.83	4.80	18.05	4.84	18.30	4.87
	46	12.78	3.47	15.08	4.07	17.39	4.57	17.36	5.26	17.48	4.99	17.50	5.01	17.57	5.00
	48	12.78	3.60	15.08	4.21	17.39	4.73	17.23	5.44	17.30	5.16	17.32	5.22	17.20	5.23
	50	12.78	3.74	15.08	4.38	17.39	4.92	17.18	5.67	17.12	5.38	17.14	5.42	17.02	5.44
20%	10	8.52	0.90	10.06	1.05	11.59	1.18	12.30	1.36	13.39	1.30	14.33	1.31	14.90	1.32
	12	8.52	0.91	10.06	1.07	11.59	1.20	12.30	1.38	13.39	1.32	14.33	1.33	14.77	1.34
	14	8.52	0.93	10.06	1.09	11.59	1.22	12.30	1.41	13.39	1.34	14.21	1.36	14.64	1.37
	16	8.52	0.95	10.06	1.11	11.59	1.24	12.30	1.43	13.39	1.37	14.08	1.38	14.51	1.39
	18	8.52	0.96	10.06	1.13	11.59	1.27	12.30	1.46	13.39	1.39	13.95	1.40	14.38	1.42
	19	8.52	0.98	10.06	1.15	11.59	1.29	12.30	1.48	13.39	1.41	13.82	1.43	14.25	1.44
	21	8.52	1.00	10.06	1.17	11.59	1.31	12.30	1.51	13.39	1.44	13.69	1.45	14.11	1.47
	23	8.52	1.01	10.06	1.19	11.59	1.33	12.30	1.53	13.39	1.46	13.57	1.47	13.98	1.49
	25	8.52	1.04	10.06	1.22	11.59	1.37	12.30	1.58	13.27	1.51	13.44	1.52	13.85	1.54
	27	8.52	1.06	10.06	1.24	11.59	1.39	12.30	1.61	13.14	1.53	13.31	1.55	13.72	1.56
	29	8.52	1.31	10.06	1.53	11.59	1.72	12.30	1.98	13.02	1.88	13.18	1.90	13.59	1.92
	31	8.52	1.47	10.06	1.72	11.59	1.93	12.30	2.22	12.89	2.12	13.05	2.14	13.45	2.16
	33	8.52	1.55	10.06	1.82	11.59	2.04	12.30	2.35	12.64	2.24	12.93	2.26	13.32	2.28
	35	8.52	1.63	10.06	1.91	11.59	2.15	12.30	2.47	12.52	2.36	12.80	2.38	13.19	2.40
	37	8.52	1.70	10.06	2.00	11.59	2.24	12.05	2.58	12.26	2.45	12.41	2.46	12.66	2.47
	39	8.52	1.76	10.06	2.07	11.59	2.32	11.97	2.67	12.14	2.53	12.29	2.56	12.40	2.58
	41	8.52	1.83	10.06	2.15	11.59	2.41	11.93	2.78	12.01	2.64	12.16	2.66	12.27	2.69
	43	8.52	1.93	10.06	2.26	11.59	2.53	11.81	2.92	11.89	2.78	12.03	2.80	12.20	2.81
	46	8.52	2.01	10.06	2.35	11.59	2.64	11.57	3.04	11.65	2.89	11.67	2.90	11.71	2.90
	48	8.52	2.08	10.06	2.44	11.59	2.73	11.49	3.15	11.53	2.99	11.55	3.02	11.47	3.03
	50	8.52	2.16	10.06	2.54	11.59	2.85	11.45	3.28	11.41	3.11	11.43	3.14	11.35	3.15

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR240ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	50.87	7.99	60.05	9.36	69.24	10.50	73.46	11.42	79.98	11.53	85.61	11.64	89.02	11.76
	12	50.87	8.14	60.05	9.53	69.24	10.69	73.46	11.62	79.98	11.74	85.61	11.86	88.23	11.97
	14	50.87	8.28	60.05	9.70	69.24	10.88	73.46	11.83	79.98	11.95	84.84	12.07	87.44	12.19
	16	50.87	8.43	60.05	9.87	69.24	11.08	73.46	12.04	79.98	12.16	84.08	12.28	86.65	12.40
	18	50.87	8.57	60.05	10.04	69.24	11.27	73.46	12.25	79.98	12.37	83.32	12.49	85.87	12.61
	19	50.87	8.72	60.05	10.21	67.16	11.46	73.46	12.45	79.98	12.58	82.55	12.70	85.08	12.83
	21	50.87	8.86	60.05	10.38	69.24	11.65	73.46	12.66	79.98	12.79	81.79	12.91	84.29	13.04
	23	50.87	9.01	60.05	10.55	69.24	11.84	73.46	12.87	79.98	13.00	81.02	13.13	83.50	13.25
	25	50.87	9.30	60.05	10.89	69.24	12.22	73.46	13.28	79.23	13.42	80.26	13.55	82.71	13.68
	27	50.87	9.44	60.05	11.06	69.24	12.41	73.46	13.49	78.48	13.63	79.49	13.76	81.93	13.90
	29	50.87	11.62	60.05	13.62	69.24	15.28	73.46	16.60	77.74	16.77	78.73	16.94	81.14	17.10
	31	50.87	13.08	60.05	15.32	69.24	17.19	73.46	18.68	76.99	18.87	77.96	19.05	80.35	19.24
	33	50.87	13.80	60.05	16.17	69.24	18.14	73.46	19.72	75.49	19.92	77.20	20.11	79.56	20.31
	35	50.87	14.53	60.05	17.02	69.24	19.10	73.46	20.76	74.75	20.96	76.44	21.17	78.78	21.38
	37	50.87	15.16	60.05	17.76	69.24	19.93	71.99	21.66	73.25	21.77	74.14	21.88	75.62	21.99
	39	50.87	15.69	60.05	18.38	69.24	20.62	71.48	22.42	72.50	22.54	73.38	22.82	74.05	22.98
	41	50.87	16.33	60.05	19.13	69.24	21.46	71.26	23.33	71.76	23.48	72.61	23.71	73.26	23.90
	43	50.87	17.14	60.05	20.08	69.24	22.53	70.52	24.49	71.01	24.74	71.85	24.94	72.87	25.06
	46	50.87	17.89	60.05	20.96	69.24	23.52	69.11	25.56	69.59	25.69	69.69	25.78	69.95	25.77
	48	50.87	18.52	60.05	21.69	69.24	24.34	68.62	26.45	68.88	26.59	68.98	26.88	69.50	26.94
	50	50.87	19.27	60.05	22.57	69.24	25.33	68.41	27.53	68.17	27.71	68.26	27.93	67.77	28.01
120%	10	50.04	7.91	59.08	9.27	68.11	10.40	72.26	11.31	78.68	11.42	84.21	11.53	87.57	11.64
	12	50.04	8.06	59.08	9.44	68.11	10.59	72.26	11.51	78.68	11.63	84.21	11.74	86.79	11.86
	14	50.04	8.20	59.08	9.61	68.11	10.78	72.26	11.72	78.68	11.83	83.46	11.95	86.02	12.07
	16	50.04	8.35	59.08	9.78	68.11	10.97	72.26	11.92	78.68	12.04	82.71	12.16	85.24	12.28
	18	50.04	8.49	59.08	9.94	68.11	11.16	72.26	12.13	78.68	12.25	81.96	12.37	84.47	12.49
	19	50.04	8.63	59.08	10.11	68.11	11.35	72.26	12.33	78.68	12.46	81.21	12.58	83.69	12.70
	21	50.04	8.78	59.08	10.28	68.11	11.54	72.26	12.54	78.68	12.66	80.45	12.79	82.92	12.91
	23	50.04	8.92	59.08	10.45	68.11	11.72	72.26	12.74	78.68	12.87	79.70	13.00	82.14	13.13
	25	50.04	9.21	59.08	10.79	68.11	12.10	72.26	13.15	77.94	13.29	78.95	13.42	81.37	13.55
	27	50.04	9.35	59.08	10.96	68.11	12.29	72.26	13.36	77.21	13.49	78.20	13.63	80.59	13.76
	29	50.04	11.51	59.08	13.48	68.11	15.13	72.26	16.44	76.47	16.61	77.45	16.77	79.82	16.94
	31	50.04	12.95	59.08	15.17	68.11	17.02	72.26	18.50	75.73	18.68	76.69	18.87	79.04	19.05
	33	50.04	13.67	59.08	16.01	68.11	17.96	72.26	19.53	74.26	19.72	75.94	19.92	78.27	20.11
	35	50.04	14.39	59.08	16.85	68.11	18.91	72.26	20.55	73.53	20.76	75.19	20.97	77.49	21.17
	37	50.04	15.02	59.08	17.59	68.11	19.73	70.82	21.45	72.06	21.56	72.94	21.67	74.39	21.78
	39	50.04	15.54	59.08	18.20	68.11	20.42	70.31	22.20	71.32	22.32	72.18	22.60	72.84	22.76
	41	50.04	16.17	59.08	18.94	68.11	21.26	70.10	23.10	70.59	23.25	71.43	23.48	72.07	23.67
	43	50.04	16.98	59.08	19.89	68.11	22.31	69.37	24.25	69.85	24.50	70.68	24.70	71.68	24.81
	46	50.04	17.72	59.08	20.76	68.11	23.29	67.99	25.31	68.46	25.44	68.56	25.53	68.81	25.52
	48	50.04	18.34	59.08	21.48	68.11	24.10	67.50	26.19	67.76	26.33	67.85	26.62	67.38	26.67
	50	50.04	19.08	59.08	22.35	68.11	25.08	67.29	27.26	67.06	27.44	67.15	27.66	66.66	27.74
110%	10	49.21	7.73	58.10	9.05	66.98	10.15	71.07	11.04	77.37	11.15	82.82	11.26	86.12	11.37
	12	49.21	7.87	58.10	9.21	66.98	10.34	71.07	11.24	77.37	11.35	82.82	11.46	85.35	11.57
	14	49.21	8.01	58.10	9.38	66.98	10.52	71.07	11.44	77.37	11.55	82.08	11.67	84.59	11.78
	16	49.21	8.15	58.10	9.54	66.98	10.71	71.07	11.64	77.37	11.75	81.34	11.87	83.83	11.99
	18	49.21	8.29	58.10	9.71	66.98	10.89	71.07	11.84	77.37	11.96	80.60	12.08	83.07	12.19
	19	49.21	8.43	58.10	9.87	66.98	11.08	71.07	12.04	77.37	12.16	79.86	12.28	82.31	12.40
	21	49.21	8.57	58.10	10.04	66.98	11.26	71.07	12.24	77.37	12.36	79.12	12.48	81.54	12.61
	23	49.21	8.71	58.10	10.20	66.98	11.45	71.07	12.44	77.37	12.56	78.38	12.69	80.78	12.81
	25	49.21	8.99	58.10	10.53	66.98	11.81	71.07	12.84	76.65	12.97	77.64	13.10	80.02	13.23
	27	49.21	9.13	58.10	10.69	66.98	12.00	71.07	13.04	75.93	13.17	76.90	13.30	79.26	13.43
	29	49.21	11.24	58.10	13.16	66.98	14.77	71.07	16.05	75.20	16.21	76.16	16.37	78.50	16.53
	31	49.21	12.64	58.10	14.81	66.98	16.61	71.07	18.06	74.48	18.24	75.43	18.42	77.73	18.60
	33	49.21	13.34	58.10	15.63	66.98	17.54	71.07	19.06	73.03	19.25	74.69	19.44	76.97	19.63
	35	49.21	14.05	58.10	16.45	66.98	18.46	71.07	20.07	72.31	20.27	73.95	20.47	76.21	20.67
	37	49.21	14.66	58.10	17.17	66.98	19.26	69.65	20.94	70.87	21.05	71.73	21.15	73.16	21.26
	39	49.21	15.17	58.10	17.77	66.98	19.94	69.15	21.67	70.14	21.79	70.99	22.06	71.64	22.22
	41	49.21	15.79	58.10	18.49	66.98	20.75	68.94	22.55	69.42	22.70	70.25	22.92	70.87	23.11
	43	49.21	16.57	58.10	19.42	66.98	21.78	68.23	23.68	68.70	23.91	69.51	24.11	70.49	24.22
	46	49.21	17.30	58.10	20.26	66.98	22.73	66.86	24.71	67.32	24.84	67.42	24.92	67.67	24.91
	48	49.21	17.90	58.10	20.97	66.98	23.53	66.38	25.57	66.64	25.71	66.73	25.99	66.26	26.04
	50	49.21	18.63	58.10	21.82	66.98	24.48	66.18	26.61	65.95	26.78	66.03	27.00	65.56	27.08

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	46.40	7.32	54.77	8.57	63.15	9.61	67.00	10.45	72.94	10.55	78.08	10.66	81.19	10.76
	12	46.40	7.45	54.77	8.72	63.15	9.79	67.00	10.64	72.94	10.75	78.08	10.85	80.47	10.96
	14	46.40	7.58	54.77	8.88	63.15	9.96	67.00	10.83	72.94	10.94	77.38	11.05	79.75	11.15
	16	46.40	7.71	54.77	9.04	63.15	10.14	67.00	11.02	72.94	11.13	76.68	11.24	79.03	11.35
	18	46.40	7.85	54.77	9.19	63.15	10.31	67.00	11.21	72.94	11.32	75.99	11.43	78.31	11.55
	19	46.40	7.98	54.77	9.35	63.15	10.49	67.00	11.40	72.94	11.51	75.29	11.63	77.60	11.74
	21	46.40	8.11	54.77	9.50	63.15	10.66	67.00	11.59	72.94	11.71	74.59	11.82	76.88	11.94
	23	46.40	8.25	54.77	9.66	63.15	10.84	67.00	11.78	72.94	11.90	73.90	12.02	76.16	12.13
	25	46.40	8.51	54.77	9.97	63.15	11.19	67.00	12.16	72.26	12.28	73.20	12.40	75.44	12.52
	27	46.40	8.65	54.77	10.13	63.15	11.36	67.00	12.35	71.58	12.47	72.50	12.60	74.72	12.72
	29	46.40	10.64	54.77	12.46	63.15	13.98	67.00	15.20	70.90	15.35	71.80	15.50	74.00	15.66
	31	46.40	11.97	54.77	14.02	63.15	15.73	67.00	17.10	70.22	17.27	71.11	17.44	73.28	17.61
	33	46.40	12.64	54.77	14.80	63.15	16.61	67.00	18.05	68.85	18.23	70.41	18.41	72.57	18.59
	35	46.40	13.30	54.77	15.58	63.15	17.48	67.00	19.00	68.17	19.19	69.71	19.38	71.85	19.57
	37	46.40	13.88	54.77	16.26	63.15	18.24	65.66	19.83	66.81	19.93	67.62	20.03	68.97	20.13
	39	46.40	14.36	54.77	16.83	63.15	18.88	65.19	20.52	66.13	20.63	66.92	20.89	67.54	21.04
	41	46.40	14.95	54.77	17.51	63.15	19.65	64.99	21.36	65.45	21.49	66.23	21.71	66.82	21.88
	43	46.40	15.69	54.77	18.38	63.15	20.63	64.32	22.42	64.76	22.64	65.53	22.83	66.46	22.94
	46	46.40	16.38	54.77	19.19	63.15	21.53	63.03	23.40	63.47	23.52	63.56	23.60	63.80	23.59
	48	46.40	16.95	54.77	19.86	63.15	22.28	62.58	24.21	62.82	24.34	62.91	24.61	62.47	24.66
	50	46.40	17.64	54.77	20.66	63.15	23.18	62.39	25.20	62.17	25.36	62.25	25.57	61.81	25.64
90%	10	41.76	6.14	49.30	7.19	56.83	8.07	60.30	8.77	65.65	8.86	70.27	8.95	73.07	9.03
	12	41.76	6.25	49.30	7.32	56.83	8.22	60.30	8.93	65.65	9.02	70.27	9.11	72.42	9.20
	14	41.76	6.36	49.30	7.45	56.83	8.36	60.30	9.09	65.65	9.18	69.64	9.27	71.78	9.36
	16	41.76	6.48	49.30	7.59	56.83	8.51	60.30	9.25	65.65	9.34	69.02	9.44	71.13	9.53
	18	41.76	6.59	49.30	7.72	56.83	8.66	60.30	9.41	65.65	9.50	68.39	9.60	70.48	9.69
	19	41.76	6.70	49.30	7.85	56.83	8.80	60.30	9.57	65.65	9.66	67.76	9.76	69.84	9.86
	21	41.76	6.81	49.30	7.98	56.83	8.95	60.30	9.73	65.65	9.83	67.13	9.92	69.19	10.02
	23	41.76	6.92	49.30	8.11	56.83	9.10	60.30	9.89	65.65	9.99	66.51	10.09	68.54	10.18
	25	41.76	7.14	49.30	8.37	56.83	9.39	60.30	10.21	65.04	10.31	65.88	10.41	67.90	10.51
	27	41.76	7.26	49.30	8.50	56.83	9.54	60.30	10.37	64.42	10.47	65.25	10.57	67.25	10.68
	29	41.76	8.93	49.30	10.46	56.83	11.74	60.30	12.76	63.81	12.89	64.62	13.01	66.60	13.14
	31	41.76	10.05	49.30	11.77	56.83	13.21	60.30	14.35	63.20	14.50	64.00	14.64	65.96	14.78
	33	41.76	10.61	49.30	12.42	56.83	13.94	60.30	15.15	61.97	15.30	63.37	15.45	65.31	15.61
	35	41.76	11.16	49.30	13.08	56.83	14.67	60.30	15.95	61.36	16.11	62.74	16.27	64.66	16.43
	37	41.76	11.65	49.30	13.65	56.83	15.31	59.09	16.64	60.13	16.73	60.86	16.81	62.08	16.90
	39	41.76	12.06	49.30	14.12	56.83	15.85	58.67	17.22	59.51	17.32	60.23	17.54	60.78	17.66
	41	41.76	12.55	49.30	14.70	56.83	16.49	58.49	17.93	58.90	18.04	59.61	18.22	60.14	18.37
	43	41.76	13.17	49.30	15.43	56.83	17.31	57.89	18.82	58.29	19.01	58.98	19.16	59.81	19.25
	46	41.76	13.75	49.30	16.10	56.83	18.07	56.73	19.64	57.12	19.74	57.21	19.81	57.42	19.80
	48	41.76	14.23	49.30	16.67	56.83	18.70	56.33	20.32	56.54	20.43	56.62	20.66	56.22	20.70
	50	41.76	14.81	49.30	17.35	56.83	19.46	56.15	21.15	55.96	21.29	56.03	21.46	55.63	21.52
80%	10	37.12	5.03	43.82	5.89	50.52	6.61	53.60	7.19	58.36	7.26	62.46	7.33	64.95	7.40
	12	37.12	5.12	43.82	6.00	50.52	6.73	53.60	7.32	58.36	7.39	62.46	7.47	64.38	7.54
	14	37.12	5.21	43.82	6.11	50.52	6.85	53.60	7.45	58.36	7.52	61.91	7.60	63.80	7.67
	16	37.12	5.31	43.82	6.22	50.52	6.97	53.60	7.58	58.36	7.66	61.35	7.73	63.23	7.81
	18	37.12	5.40	43.82	6.32	50.52	7.09	53.60	7.71	58.36	7.79	60.79	7.87	62.65	7.94
	19	37.12	5.49	43.82	6.43	50.52	7.21	53.60	7.84	58.36	7.92	60.23	8.00	62.08	8.08
	21	37.12	5.58	43.82	6.54	50.52	7.33	53.60	7.97	58.36	8.05	59.67	8.13	61.50	8.21
	23	37.12	5.67	43.82	6.64	50.52	7.45	53.60	8.10	58.36	8.18	59.12	8.27	60.93	8.35
	25	37.12	5.86	43.82	6.86	50.52	7.70	53.60	8.36	57.81	8.45	58.56	8.53	60.35	8.62
	27	37.12	5.95	43.82	6.97	50.52	7.82	53.60	8.50	57.26	8.58	58.00	8.67	59.78	8.75
	29	37.12	7.32	43.82	8.57	50.52	9.62	53.60	10.46	56.72	10.56	57.44	10.66	59.20	10.77
	31	37.12	8.23	43.82	9.65	50.52	10.82	53.60	11.76	56.17	11.88	56.89	12.00	58.63	12.12
	33	37.12	8.69	43.82	10.18	50.52	11.42	53.60	12.42	55.08	12.54	56.33	12.66	58.05	12.79
	35	37.12	9.15	43.82	10.72	50.52	12.02	53.60	13.07	54.54	13.20	55.77	13.33	57.48	13.46
	37	37.12	9.55	43.82	11.18	50.52	12.55	52.53	13.64	53.45	13.71	54.10	13.78	55.18	13.85
	39	37.12	9.88	43.82	11.57	50.52	12.99	52.15	14.12	52.90	14.19	53.54	14.37	54.03	14.47
	41	37.12	10.28	43.82	12.05	50.52	13.52	51.99	14.69	52.36	14.78	52.98	14.93	53.45	15.05
	43	37.12	10.80	43.82	12.65	50.52	14.19	51.46	15.42	51.81	15.58	52.42	15.70	53.17	15.78
	46	37.12	11.27	43.82	13.20	50.52	14.81	50.43	16.09	50.77	16.18	50.85	16.23	51.04	16.23
	48	37.12	11.66	43.82	13.66	50.52	15.32	50.07	16.66	50.26	16.74	50.33	16.93	49.98	16.96
	50	37.12	12.13	43.82	14.21	50.52	15.95	49.91	17.33	49.74	17.45	49.80	17.59	49.45	17.64

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



## Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	32.48	4.00	38.34	4.69	44.20	5.26	46.90	5.72	51.06	5.77	54.66	5.83	56.83	5.89
	12	32.48	4.07	38.34	4.77	44.20	5.35	46.90	5.82	51.06	5.88	54.66	5.94	56.33	5.99
	14	32.48	4.15	38.34	4.86	44.20	5.45	46.90	5.92	51.06	5.98	54.17	6.04	55.83	6.10
	16	32.48	4.22	38.34	4.94	44.20	5.55	46.90	6.03	51.06	6.09	53.68	6.15	55.32	6.21
	18	32.48	4.29	38.34	5.03	44.20	5.64	46.90	6.13	51.06	6.19	53.19	6.25	54.82	6.32
	19	32.48	4.36	38.34	5.11	44.20	5.74	46.90	6.24	51.06	6.30	52.70	6.36	54.32	6.42
	21	32.48	4.44	38.34	5.20	44.20	5.83	46.90	6.34	51.06	6.40	52.22	6.47	53.81	6.53
	23	32.48	4.51	38.34	5.28	44.20	5.93	46.90	6.44	51.06	6.51	51.73	6.57	53.31	6.64
	25	32.48	4.66	38.34	5.45	44.20	6.12	46.90	6.65	50.58	6.72	51.24	6.78	52.81	6.85
	27	32.48	4.73	38.34	5.54	44.20	6.21	46.90	6.76	50.11	6.82	50.75	6.89	52.30	6.96
	29	32.48	5.82	38.34	6.82	44.20	7.65	46.90	8.31	49.63	8.40	50.26	8.48	51.80	8.56
	31	32.48	6.55	38.34	7.67	44.20	8.60	46.90	9.35	49.15	9.45	49.78	9.54	51.30	9.63
	33	32.48	6.91	38.34	8.10	44.20	9.08	46.90	9.87	48.20	9.97	49.29	10.07	50.80	10.17
	35	32.48	7.27	38.34	8.52	44.20	9.56	46.90	10.39	47.72	10.50	48.80	10.60	50.29	10.70
	37	32.48	7.59	38.34	8.89	44.20	9.98	45.96	10.85	46.77	10.90	47.34	10.96	48.28	11.01
	39	32.48	7.86	38.34	9.20	44.20	10.33	45.63	11.22	46.29	11.28	46.85	11.43	47.28	11.51
	41	32.48	8.18	38.34	9.58	44.20	10.75	45.49	11.68	45.81	11.76	46.36	11.87	46.77	11.97
	43	32.48	8.58	38.34	10.06	44.20	11.28	45.02	12.26	45.33	12.39	45.87	12.49	46.52	12.55
	46	32.48	8.96	38.34	10.49	44.20	11.77	44.12	12.80	44.43	12.86	44.50	12.91	44.66	12.90
	48	32.48	9.27	38.34	10.86	44.20	12.18	43.81	13.24	43.97	13.31	44.04	13.46	43.73	13.49
	50	32.48	9.65	38.34	11.30	44.20	12.68	43.67	13.78	43.52	13.87	43.58	13.99	43.26	14.03
60%	10	27.84	3.04	32.86	3.56	37.89	3.99	40.20	4.34	43.77	4.38	46.85	4.43	48.71	4.47
	12	27.84	3.09	32.86	3.62	37.89	4.06	40.20	4.42	43.77	4.46	46.85	4.51	48.28	4.55
	14	27.84	3.15	32.86	3.69	37.89	4.14	40.20	4.50	43.77	4.54	46.43	4.59	47.85	4.63
	16	27.84	3.20	32.86	3.75	37.89	4.21	40.20	4.57	43.77	4.62	46.01	4.67	47.42	4.71
	18	27.84	3.26	32.86	3.82	37.89	4.28	40.20	4.65	43.77	4.70	45.59	4.75	46.99	4.79
	19	27.84	3.31	32.86	3.88	37.89	4.35	40.20	4.73	43.77	4.78	45.17	4.83	46.56	4.87
	21	27.84	3.37	32.86	3.95	37.89	4.43	40.20	4.81	43.77	4.86	44.76	4.91	46.13	4.96
	23	27.84	3.42	32.86	4.01	37.89	4.50	40.20	4.89	43.77	4.94	44.34	4.99	45.69	5.04
	25	27.84	3.53	32.86	4.14	37.89	4.64	40.20	5.05	43.36	5.10	43.92	5.15	45.26	5.20
	27	27.84	3.59	32.86	4.20	37.89	4.72	40.20	5.13	42.95	5.18	43.50	5.23	44.83	5.28
	29	27.84	4.42	32.86	5.17	37.89	5.81	40.20	6.31	42.54	6.37	43.08	6.44	44.40	6.50
	31	27.84	4.97	32.86	5.82	37.89	6.53	40.20	7.10	42.13	7.17	42.66	7.24	43.97	7.31
	33	27.84	5.25	32.86	6.14	37.89	6.89	40.20	7.49	41.31	7.57	42.25	7.64	43.54	7.72
	35	27.84	5.52	32.86	6.47	37.89	7.26	40.20	7.89	40.90	7.97	41.83	8.05	43.11	8.12
	37	27.84	5.76	32.86	6.75	37.89	7.57	39.40	8.23	40.09	8.27	40.57	8.32	41.38	8.36
	39	27.84	5.96	32.86	6.99	37.89	7.84	39.11	8.52	39.68	8.56	40.15	8.67	40.52	8.73
	41	27.84	6.21	32.86	7.27	37.89	8.16	38.99	8.87	39.27	8.92	39.74	9.01	40.09	9.08
	43	27.84	6.52	32.86	7.63	37.89	8.56	38.59	9.31	38.86	9.40	39.32	9.48	39.88	9.52
	46	27.84	6.80	32.86	7.97	37.89	8.94	37.82	9.71	38.08	9.76	38.14	9.80	38.28	9.79
	48	27.84	7.04	32.86	8.24	37.89	9.25	37.55	10.05	37.69	10.11	37.75	10.22	37.48	10.24
	50	27.84	7.32	32.86	8.58	37.89	9.62	37.43	10.46	37.30	10.53	37.35	10.62	37.08	10.65
50%	10	23.20	2.14	27.39	2.51	31.57	2.81	33.50	3.06	36.47	3.09	39.04	3.12	40.59	3.15
	12	23.20	2.18	27.39	2.55	31.57	2.86	33.50	3.11	36.47	3.14	39.04	3.17	40.23	3.20
	14	23.20	2.22	27.39	2.60	31.57	2.91	33.50	3.17	36.47	3.20	38.69	3.23	39.88	3.26
	16	23.20	2.26	27.39	2.64	31.57	2.96	33.50	3.22	36.47	3.25	38.34	3.29	39.52	3.32
	18	23.20	2.29	27.39	2.69	31.57	3.02	33.50	3.28	36.47	3.31	37.99	3.34	39.16	3.38
	19	23.20	2.33	27.39	2.73	31.57	3.07	33.50	3.33	36.47	3.37	37.65	3.40	38.80	3.43
	21	23.20	2.37	27.39	2.78	31.57	3.12	33.50	3.39	36.47	3.42	37.30	3.46	38.44	3.49
	23	23.20	2.41	27.39	2.82	31.57	3.17	33.50	3.44	36.47	3.48	36.95	3.51	38.08	3.55
	25	23.20	2.49	27.39	2.92	31.57	3.27	33.50	3.56	36.13	3.59	36.60	3.63	37.72	3.66
	27	23.20	2.53	27.39	2.96	31.57	3.32	33.50	3.61	35.79	3.65	36.25	3.68	37.36	3.72
	29	23.20	3.11	27.39	3.64	31.57	4.09	33.50	4.44	35.45	4.49	35.90	4.53	37.00	4.58
	31	23.20	3.50	27.39	4.10	31.57	4.60	33.50	5.00	35.11	5.05	35.55	5.10	36.64	5.15
	33	23.20	3.69	27.39	4.33	31.57	4.86	33.50	5.28	34.43	5.33	35.21	5.38	36.28	5.44
	35	23.20	3.89	27.39	4.56	31.57	5.11	33.50	5.56	34.09	5.61	34.86	5.67	35.92	5.72
	37	23.20	4.06	27.39	4.75	31.57	5.33	32.83	5.80	33.40	5.83	33.81	5.86	34.49	5.89
	39	23.20	4.20	27.39	4.92	31.57	5.52	32.60	6.00	33.06	6.03	33.46	6.11	33.77	6.15
	41	23.20	4.37	27.39	5.12	31.57	5.75	32.50	6.25	32.72	6.29	33.11	6.35	33.41	6.40
	43	23.20	4.59	27.39	5.38	31.57	6.03	32.16	6.56	32.38	6.62	32.77	6.68	33.23	6.71
	46	23.20	4.79	27.39	5.61	31.57	6.29	31.52	6.84	31.73	6.88	31.78	6.90	31.90	6.90
	48	23.20	4.96	27.39	5.81	31.57	6.51	31.29	7.08	31.41	7.12	31.45	7.20	31.24	7.21
	50	23.20	5.16	27.39	6.04	31.57	6.78	31.20	7.37	31.09	7.42	31.13	7.48	30.90	7.50

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	18.56	1.70	21.91	1.99	25.26	2.23	26.80	2.42	29.18	2.45	31.23	2.47	32.48	2.50
	12	18.56	1.73	21.91	2.02	25.26	2.27	26.80	2.47	29.18	2.49	31.23	2.52	32.19	2.54
	14	18.56	1.76	21.91	2.06	25.26	2.31	26.80	2.51	29.18	2.54	30.95	2.56	31.90	2.59
	16	18.56	1.79	21.91	2.09	25.26	2.35	26.80	2.55	29.18	2.58	30.67	2.61	31.61	2.63
	18	18.56	1.82	21.91	2.13	25.26	2.39	26.80	2.60	29.18	2.62	30.40	2.65	31.33	2.68
	19	18.56	1.85	21.91	2.17	25.26	2.43	26.80	2.64	29.18	2.67	30.12	2.70	31.04	2.72
	21	18.56	1.88	21.91	2.20	25.26	2.47	26.80	2.69	29.18	2.71	29.84	2.74	30.75	2.77
	23	18.56	1.91	21.91	2.24	25.26	2.51	26.80	2.73	29.18	2.76	29.56	2.79	30.46	2.81
	25	18.56	1.97	21.91	2.31	25.26	2.59	26.80	2.82	28.91	2.85	29.28	2.88	30.18	2.90
	27	18.56	2.00	21.91	2.35	25.26	2.63	26.80	2.86	28.63	2.89	29.00	2.92	29.89	2.95
	29	18.56	2.47	21.91	2.89	25.26	3.24	26.80	3.52	28.36	3.56	28.72	3.59	29.60	3.63
	31	18.56	2.77	21.91	3.25	25.26	3.65	26.80	3.96	28.09	4.00	28.44	4.04	29.31	4.08
	33	18.56	2.93	21.91	3.43	25.26	3.85	26.80	4.18	27.54	4.23	28.16	4.27	29.03	4.31
	35	18.56	3.08	21.91	3.61	25.26	4.05	26.80	4.40	27.27	4.45	27.89	4.49	28.74	4.54
	37	18.56	3.22	21.91	3.77	25.26	4.23	26.26	4.60	26.72	4.62	27.05	4.64	27.59	4.67
	39	18.56	3.33	21.91	3.90	25.26	4.38	26.08	4.76	26.45	4.78	26.77	4.84	27.01	4.88
	41	18.56	3.47	21.91	4.06	25.26	4.55	26.00	4.95	26.18	4.98	26.49	5.03	26.73	5.07
	43	18.56	3.64	21.91	4.26	25.26	4.78	25.73	5.20	25.91	5.25	26.21	5.29	26.58	5.32
	46	18.56	3.80	21.91	4.45	25.26	4.99	25.21	5.42	25.39	5.45	25.43	5.47	25.52	5.47
	48	18.56	3.93	21.91	4.60	25.26	5.16	25.03	5.61	25.13	5.64	25.16	5.71	24.99	5.72
	50	18.56	4.09	21.91	4.79	25.26	5.37	24.96	5.84	24.87	5.88	24.90	5.93	24.72	5.94
30%	10	13.92	1.55	16.43	1.82	18.94	2.04	20.10	2.22	21.88	2.24	23.42	2.26	24.36	2.28
	12	13.92	1.58	16.43	1.85	18.94	2.08	20.10	2.26	21.88	2.28	23.42	2.30	24.14	2.32
	14	13.92	1.61	16.43	1.88	18.94	2.11	20.10	2.30	21.88	2.32	23.21	2.34	23.93	2.37
	16	13.92	1.64	16.43	1.92	18.94	2.15	20.10	2.34	21.88	2.36	23.01	2.38	23.71	2.41
	18	13.92	1.66	16.43	1.95	18.94	2.19	20.10	2.38	21.88	2.40	22.80	2.43	23.49	2.45
	19	13.92	1.69	16.43	1.98	18.94	2.22	20.10	2.42	21.88	2.44	22.59	2.47	23.28	2.49
	21	13.92	1.72	16.43	2.02	18.94	2.26	20.10	2.46	21.88	2.48	22.38	2.51	23.06	2.53
	23	13.92	1.75	16.43	2.05	18.94	2.30	20.10	2.50	21.88	2.52	22.17	2.55	22.85	2.57
	25	13.92	1.81	16.43	2.12	18.94	2.37	20.10	2.58	21.68	2.61	21.96	2.63	22.63	2.66
	27	13.92	1.83	16.43	2.15	18.94	2.41	20.10	2.62	21.47	2.65	21.75	2.67	22.42	2.70
	29	13.92	2.26	16.43	2.64	18.94	2.97	20.10	3.22	21.27	3.26	21.54	3.29	22.20	3.32
	31	13.92	2.54	16.43	2.97	18.94	3.34	20.10	3.63	21.07	3.66	21.33	3.70	21.99	3.74
	33	13.92	2.68	16.43	3.14	18.94	3.52	20.10	3.83	20.66	3.87	21.12	3.91	21.77	3.94
	35	13.92	2.82	16.43	3.30	18.94	3.71	20.10	4.03	20.45	4.07	20.91	4.11	21.55	4.15
	37	13.92	2.94	16.43	3.45	18.94	3.87	19.70	4.21	20.04	4.23	20.29	4.25	20.69	4.27
	39	13.92	3.05	16.43	3.57	18.94	4.00	19.56	4.35	19.84	4.38	20.08	4.43	20.26	4.46
	41	13.92	3.17	16.43	3.71	18.94	4.17	19.50	4.53	19.63	4.56	19.87	4.60	20.05	4.64
	43	13.92	3.33	16.43	3.90	18.94	4.38	19.30	4.76	19.43	4.80	19.66	4.84	19.94	4.87
	46	13.92	3.47	16.43	4.07	18.94	4.57	18.91	4.96	19.04	4.99	19.07	5.01	19.14	5.00
	48	13.92	3.60	16.43	4.21	18.94	4.73	18.78	5.14	18.85	5.16	18.87	5.22	18.74	5.23
	50	13.92	3.74	16.43	4.38	18.94	4.92	18.72	5.35	18.65	5.38	18.68	5.42	18.54	5.44
20%	10	9.28	0.90	10.95	1.05	12.63	1.18	13.40	1.28	14.59	1.30	15.62	1.31	16.24	1.32
	12	9.28	0.91	10.95	1.07	12.63	1.20	13.40	1.31	14.59	1.32	15.62	1.33	16.09	1.34
	14	9.28	0.93	10.95	1.09	12.63	1.22	13.40	1.33	14.59	1.34	15.48	1.36	15.95	1.37
	16	9.28	0.95	10.95	1.11	12.63	1.24	13.40	1.35	14.59	1.37	15.34	1.38	15.81	1.39
	18	9.28	0.96	10.95	1.13	12.63	1.27	13.40	1.38	14.59	1.39	15.20	1.40	15.66	1.42
	19	9.28	0.98	10.95	1.15	12.63	1.29	13.40	1.40	14.59	1.41	15.06	1.43	15.52	1.44
	21	9.28	1.00	10.95	1.17	12.63	1.31	13.40	1.42	14.59	1.44	14.92	1.45	15.38	1.47
	23	9.28	1.01	10.95	1.19	12.63	1.33	13.40	1.45	14.59	1.46	14.78	1.47	15.23	1.49
	25	9.28	1.04	10.95	1.22	12.63	1.37	13.40	1.49	14.45	1.51	14.64	1.52	15.09	1.54
	27	9.28	1.06	10.95	1.24	12.63	1.39	13.40	1.52	14.32	1.53	14.50	1.55	14.94	1.56
	29	9.28	1.31	10.95	1.53	12.63	1.72	13.40	1.87	14.18	1.88	14.36	1.90	14.80	1.92
	31	9.28	1.47	10.95	1.72	12.63	1.93	13.40	2.10	14.04	2.12	14.22	2.14	14.66	2.16
	33	9.28	1.55	10.95	1.82	12.63	2.04	13.40	2.22	13.77	2.24	14.08	2.26	14.51	2.28
	35	9.28	1.63	10.95	1.91	12.63	2.15	13.40	2.33	13.63	2.36	13.94	2.38	14.37	2.40
	37	9.28	1.70	10.95	2.00	12.63	2.24	13.13	2.43	13.36	2.45	13.52	2.46	13.79	2.47
	39	9.28	1.76	10.95	2.07	12.63	2.32	13.04	2.52	13.23	2.53	13.38	2.56	13.51	2.58
	41	9.28	1.83	10.95	2.15	12.63	2.41	13.00	2.62	13.09	2.64	13.25	2.66	13.36	2.69
	43	9.28	1.93	10.95	2.26	12.63	2.53	12.86	2.75	12.95	2.78	13.11	2.80	13.29	2.81
	46	9.28	2.01	10.95	2.35	12.63	2.64	12.61	2.87	12.69	2.89	12.71	2.90	12.76	2.90
	48	9.28	2.08	10.95	2.44	12.63	2.73	12.52	2.97	12.56	2.99	12.58	3.02	12.49	3.03
	50	9.28	2.16	10.95	2.54	12.63	2.85	12.48	3.09	12.43	3.11	12.45	3.14	12.36	3.15

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR260ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	55.43	9.08	65.43	10.64	75.44	11.94	80.04	12.98	87.14	13.11	93.27	13.24	96.99	13.37
	12	55.43	9.25	65.43	10.84	75.44	12.16	80.04	13.21	87.14	13.35	93.27	13.48	96.13	13.61
	14	55.43	9.41	65.43	11.03	75.44	12.37	80.04	13.45	87.14	13.58	92.44	13.72	95.27	13.85
	16	55.43	9.58	65.43	11.22	75.44	12.59	80.04	13.69	87.14	13.82	91.61	13.96	94.41	14.10
	18	55.43	9.75	65.43	11.42	75.44	12.81	80.04	13.92	87.14	14.06	90.78	14.20	93.55	14.34
	19	55.43	9.91	65.43	11.61	73.17	13.03	80.04	14.16	87.14	14.30	89.94	14.44	92.70	14.58
	21	55.43	10.08	65.43	11.80	75.44	13.24	80.04	14.39	87.14	14.54	89.11	14.68	91.84	14.83
	23	55.43	10.24	65.43	12.00	75.44	13.46	80.04	14.63	87.14	14.78	88.28	14.92	90.98	15.07
	25	55.43	10.57	65.43	12.38	75.44	13.89	80.04	15.10	86.33	15.25	87.44	15.40	90.12	15.55
	27	55.43	10.74	65.43	12.58	75.44	14.11	80.04	15.34	85.51	15.49	86.61	15.64	89.26	15.80
	29	55.43	13.21	65.43	15.48	75.44	17.37	80.04	18.88	84.70	19.07	85.78	19.25	88.41	19.44
	31	55.43	14.87	65.43	17.41	75.44	19.54	80.04	21.24	83.88	21.45	84.95	21.66	87.55	21.87
	33	55.43	15.69	65.43	18.38	75.44	20.62	80.04	22.42	82.25	22.64	84.11	22.86	86.69	23.09
	35	55.43	16.52	65.43	19.35	75.44	21.71	80.04	23.60	81.44	23.83	83.28	24.07	85.83	24.30
	37	55.43	17.24	65.43	20.19	75.44	22.66	78.44	24.63	79.81	24.75	80.78	24.88	82.40	25.00
	39	55.43	17.84	65.43	20.90	75.44	23.45	77.88	25.48	79.00	25.62	79.95	25.95	80.68	26.13
	41	55.43	18.57	65.43	21.75	75.44	24.40	77.64	26.52	78.18	26.69	79.12	26.96	79.82	27.17
	43	55.43	19.49	65.43	22.83	75.44	25.62	76.84	27.84	77.37	28.12	78.28	28.35	79.39	28.48
	46	55.43	20.34	65.43	23.83	75.44	26.73	75.30	29.06	75.82	29.21	75.94	29.31	76.22	29.30
	48	55.43	21.05	65.43	24.66	75.44	27.67	74.76	30.07	75.05	30.23	75.15	30.56	74.63	30.62
	50	55.43	21.91	65.43	25.66	75.44	28.79	74.53	31.30	74.27	31.50	74.37	31.75	73.84	31.85
120%	10	54.52	9.00	64.37	10.54	74.21	11.82	78.74	12.85	85.72	12.98	91.76	13.11	95.41	13.24
	12	54.52	9.16	64.37	10.73	74.21	12.04	78.74	13.09	85.72	13.22	91.76	13.35	94.56	13.48
	14	54.52	9.32	64.37	10.92	74.21	12.25	78.74	13.32	85.72	13.45	90.94	13.59	93.72	13.72
	16	54.52	9.49	64.37	11.11	74.21	12.47	78.74	13.55	85.72	13.69	90.12	13.82	92.88	13.96
	18	54.52	9.65	64.37	11.31	74.21	12.68	78.74	13.79	85.72	13.92	89.30	14.06	92.03	14.20
	19	54.52	9.81	64.37	11.50	74.21	12.90	78.74	14.02	85.72	14.16	88.48	14.30	91.19	14.44
	21	54.52	9.98	64.37	11.69	74.21	13.11	78.74	14.25	85.72	14.40	87.66	14.54	90.34	14.68
	23	54.52	10.14	64.37	11.88	74.21	13.33	78.74	14.49	85.72	14.63	86.84	14.78	89.50	14.92
	25	54.52	10.47	64.37	12.26	74.21	13.76	78.74	14.96	84.92	15.10	86.02	15.25	88.65	15.40
	27	54.52	10.63	64.37	12.45	74.21	13.97	78.74	15.19	84.12	15.34	85.20	15.49	87.81	15.64
	29	54.52	13.09	64.37	15.33	74.21	17.20	78.74	18.69	83.32	18.88	84.38	19.07	86.97	19.25
	31	54.52	14.72	64.37	17.25	74.21	19.35	78.74	21.03	82.52	21.24	83.56	21.45	86.12	21.66
	33	54.52	15.54	64.37	18.20	74.21	20.42	78.74	22.20	80.91	22.42	82.74	22.64	85.28	22.86
	35	54.52	16.36	64.37	19.16	74.21	21.50	78.74	23.37	80.11	23.60	81.92	23.83	84.43	24.07
	37	54.52	17.07	64.37	20.00	74.21	22.44	77.16	24.39	78.51	24.51	79.47	24.64	81.05	24.76
	39	54.52	17.67	64.37	20.69	74.21	23.22	76.61	25.24	77.71	25.37	78.65	25.69	79.37	25.87
	41	54.52	18.39	64.37	21.54	74.21	24.16	76.37	26.26	76.91	26.43	77.83	26.69	78.52	26.91
	43	54.52	19.30	64.37	22.61	74.21	25.37	75.59	27.57	76.11	27.85	77.01	28.08	78.10	28.21
	46	54.52	20.14	64.37	23.60	74.21	26.47	74.07	28.78	74.59	28.92	74.70	29.02	74.98	29.01
	48	54.52	20.85	64.37	24.42	74.21	27.40	73.55	29.78	73.82	29.94	73.93	30.27	73.41	30.32
	50	54.52	21.69	64.37	25.41	74.21	28.51	73.32	30.99	73.06	31.19	73.16	31.45	72.63	31.54
110%	10	53.62	8.78	63.30	10.29	72.98	11.54	77.43	12.55	84.30	12.67	90.24	12.80	93.83	12.92
	12	53.62	8.94	63.30	10.47	72.98	11.75	77.43	12.77	84.30	12.90	90.24	13.03	93.00	13.16
	14	53.62	9.10	63.30	10.66	72.98	11.96	77.43	13.00	84.30	13.13	89.43	13.26	92.17	13.39
	16	53.62	9.26	63.30	10.85	72.98	12.17	77.43	13.23	84.30	13.36	88.62	13.49	91.34	13.63
	18	53.62	9.42	63.30	11.04	72.98	12.38	77.43	13.46	84.30	13.59	87.82	13.73	90.51	13.86
	19	53.62	9.58	63.30	11.22	72.98	12.59	77.43	13.69	84.30	13.82	87.01	13.96	89.68	14.10
	21	53.62	9.74	63.30	11.41	72.98	12.80	77.43	13.91	84.30	14.05	86.21	14.19	88.85	14.33
	23	53.62	9.90	63.30	11.60	72.98	13.01	77.43	14.14	84.30	14.28	85.40	14.43	88.02	14.57
	25	53.62	10.22	63.30	11.97	72.98	13.43	77.43	14.60	83.51	14.74	84.60	14.89	87.19	15.04
	27	53.62	10.38	63.30	12.16	72.98	13.64	77.43	14.83	82.73	14.98	83.79	15.12	86.36	15.27
	29	53.62	12.77	63.30	14.96	72.98	16.79	77.43	18.25	81.94	18.43	82.99	18.61	85.53	18.80
	31	53.62	14.37	63.30	16.83	72.98	18.89	77.43	20.53	81.15	20.74	82.18	20.94	84.70	21.15
	33	53.62	15.17	63.30	17.77	72.98	19.94	77.43	21.67	79.58	21.89	81.37	22.10	83.86	22.32
	35	53.62	15.97	63.30	18.70	72.98	20.99	77.43	22.81	78.79	23.04	80.57	23.27	83.03	23.50
	37	53.62	16.66	63.30	19.52	72.98	21.90	75.88	23.81	77.21	23.93	78.15	24.05	79.71	24.17
	39	53.62	17.25	63.30	20.20	72.98	22.66	75.34	24.64	76.42	24.77	77.35	25.08	78.05	25.26
	41	53.62	17.95	63.30	21.02	72.98	23.59	75.11	25.64	75.64	25.80	76.54	26.06	77.22	26.27
	43	53.62	18.84	63.30	22.07	72.98	24.76	74.33	26.92	74.85	27.19	75.73	27.41	76.81	27.54
	46	53.62	19.66	63.30	23.03	72.98	25.84	72.85	28.09	73.35	28.24	73.46	28.33	73.73	28.32
	48	53.62	20.35	63.30	23.84	72.98	26.74	72.33	29.07	72.60	29.22	72.70	29.55	72.20	29.60
	50	53.62	21.18	63.30	24.81	72.98	27.83	72.10	30.25	71.85	30.45	71.95	30.70	71.43	30.79

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	50.55	8.32	59.68	9.74	68.80	10.93	73.00	11.88	79.48	12.00	85.07	12.12	88.46	12.24
	12	50.55	8.47	59.68	9.92	68.80	11.13	73.00	12.10	79.48	12.22	85.07	12.34	87.68	12.46
	14	50.55	8.62	59.68	10.10	68.80	11.33	73.00	12.31	79.48	12.44	84.31	12.56	86.89	12.68
	16	50.55	8.77	59.68	10.27	68.80	11.53	73.00	12.53	79.48	12.65	83.55	12.78	86.11	12.90
	18	50.55	8.92	59.68	10.45	68.80	11.72	73.00	12.74	79.48	12.87	82.79	13.00	85.33	13.13
	19	50.55	9.07	59.68	10.63	68.80	11.92	73.00	12.96	79.48	13.09	82.03	13.22	84.54	13.35
	21	50.55	9.22	59.68	10.80	68.80	12.12	73.00	13.18	79.48	13.31	81.27	13.44	83.76	13.57
	23	50.55	9.37	59.68	10.98	68.80	12.32	73.00	13.39	79.48	13.53	80.51	13.66	82.98	13.79
	25	50.55	9.68	59.68	11.34	68.80	12.72	73.00	13.82	78.73	13.96	79.75	14.10	82.20	14.24
	27	50.55	9.83	59.68	11.51	68.80	12.92	73.00	14.04	77.99	14.18	78.99	14.32	81.41	14.46
	29	50.55	12.10	59.68	14.17	68.80	15.90	73.00	17.28	77.25	17.45	78.24	17.63	80.63	17.80
	31	50.55	13.61	59.68	15.94	68.80	17.88	73.00	19.44	76.51	19.63	77.48	19.83	79.85	20.02
	33	50.55	14.36	59.68	16.83	68.80	18.88	73.00	20.52	75.02	20.73	76.72	20.93	79.06	21.14
	35	50.55	15.12	59.68	17.71	68.80	19.87	73.00	21.60	74.28	21.82	75.96	22.03	78.28	22.25
	37	50.55	15.78	59.68	18.48	68.80	20.74	71.54	22.54	72.79	22.66	73.68	22.77	75.15	22.88
	39	50.55	16.33	59.68	19.13	68.80	21.46	71.03	23.33	72.05	23.45	72.92	23.75	73.58	23.92
	41	50.55	16.99	59.68	19.91	68.80	22.34	70.81	24.28	71.31	24.43	72.16	24.68	72.80	24.87
	43	50.55	17.84	59.68	20.90	68.80	23.45	70.08	25.49	70.56	25.74	71.40	25.95	72.41	26.07
	46	50.55	18.62	59.68	21.81	68.80	24.47	68.68	26.60	69.15	26.74	69.26	26.83	69.51	26.82
	48	50.55	19.27	59.68	22.57	68.80	25.32	68.19	27.53	68.45	27.67	68.54	27.98	68.07	28.03
	50	50.55	20.05	59.68	23.49	68.80	26.36	67.98	28.65	67.74	28.83	67.83	29.07	67.34	29.15
90%	10	45.50	6.98	53.71	8.18	61.92	9.17	65.70	9.97	71.53	10.07	76.56	10.17	79.61	10.27
	12	45.50	7.11	53.71	8.33	61.92	9.34	65.70	10.15	71.53	10.25	76.56	10.36	78.91	10.46
	14	45.50	7.23	53.71	8.47	61.92	9.51	65.70	10.33	71.53	10.44	75.88	10.54	78.20	10.64
	16	45.50	7.36	53.71	8.62	61.92	9.67	65.70	10.52	71.53	10.62	75.20	10.73	77.50	10.83
	18	45.50	7.49	53.71	8.77	61.92	9.84	65.70	10.70	71.53	10.80	74.51	10.91	76.79	11.02
	19	45.50	7.61	53.71	8.92	61.92	10.01	65.70	10.88	71.53	10.99	73.83	11.10	76.09	11.20
	21	45.50	7.74	53.71	9.07	61.92	10.18	65.70	11.06	71.53	11.17	73.15	11.28	75.39	11.39
	23	45.50	7.87	53.71	9.22	61.92	10.34	65.70	11.24	71.53	11.35	72.46	11.47	74.68	11.58
	25	45.50	8.12	53.71	9.52	61.92	10.68	65.70	11.60	70.86	11.72	71.78	11.84	73.98	11.95
	27	45.50	8.25	53.71	9.66	61.92	10.84	65.70	11.79	70.19	11.90	71.10	12.02	73.27	12.14
	29	45.50	10.15	53.71	11.89	61.92	13.34	65.70	14.50	69.52	14.65	70.41	14.79	72.57	14.94
	31	45.50	11.42	53.71	13.38	61.92	15.01	65.70	16.32	68.86	16.48	69.73	16.64	71.86	16.81
	33	45.50	12.06	53.71	14.12	61.92	15.85	65.70	17.22	67.52	17.40	69.04	17.57	71.16	17.74
	35	45.50	12.69	53.71	14.87	61.92	16.68	65.70	18.13	66.85	18.31	68.36	18.49	70.45	18.67
	37	45.50	13.24	53.71	15.52	61.92	17.41	64.39	18.92	65.51	19.02	66.31	19.11	67.64	19.21
	39	45.50	13.71	53.71	16.06	61.92	18.01	63.93	19.58	64.84	19.69	65.63	19.94	66.23	20.08
	41	45.50	14.27	53.71	16.71	61.92	18.75	63.73	20.38	64.18	20.51	64.94	20.71	65.52	20.88
	43	45.50	14.98	53.71	17.54	61.92	19.68	63.07	21.39	63.51	21.61	64.26	21.79	65.17	21.89
	46	45.50	15.63	53.71	18.31	61.92	20.54	61.81	22.33	62.24	22.44	62.33	22.52	62.56	22.51
	48	45.50	16.17	53.71	18.95	61.92	21.26	61.37	23.11	61.60	23.23	61.69	23.48	61.26	23.53
	50	45.50	16.83	53.71	19.72	61.92	22.12	61.18	24.05	60.97	24.20	61.05	24.40	60.61	24.47
80%	10	40.44	5.72	47.74	6.70	55.04	7.52	58.40	8.17	63.58	8.25	68.06	8.34	70.77	8.42
	12	40.44	5.82	47.74	6.82	55.04	7.65	58.40	8.32	63.58	8.40	68.06	8.49	70.14	8.57
	14	40.44	5.93	47.74	6.94	55.04	7.79	58.40	8.47	63.58	8.55	67.45	8.64	69.51	8.72
	16	40.44	6.03	47.74	7.07	55.04	7.93	58.40	8.62	63.58	8.70	66.84	8.79	68.89	8.88
	18	40.44	6.14	47.74	7.19	55.04	8.07	58.40	8.77	63.58	8.85	66.23	8.94	68.26	9.03
	19	40.44	6.24	47.74	7.31	55.04	8.20	58.40	8.91	63.58	9.00	65.63	9.09	67.64	9.18
	21	40.44	6.34	47.74	7.43	55.04	8.34	58.40	9.06	63.58	9.15	65.02	9.24	67.01	9.34
	23	40.44	6.45	47.74	7.55	55.04	8.48	58.40	9.21	63.58	9.30	64.41	9.40	66.38	9.49
	25	40.44	6.66	47.74	7.80	55.04	8.75	58.40	9.51	62.99	9.60	63.80	9.70	65.76	9.79
	27	40.44	6.76	47.74	7.92	55.04	8.89	58.40	9.66	62.39	9.75	63.20	9.85	65.13	9.95
	29	40.44	8.32	47.74	9.75	55.04	10.94	58.40	11.89	61.80	12.01	62.59	12.12	64.50	12.24
	31	40.44	9.36	47.74	10.97	55.04	12.30	58.40	13.37	61.20	13.51	61.98	13.64	63.88	13.77
	33	40.44	9.88	47.74	11.57	55.04	12.99	58.40	14.12	60.02	14.26	61.37	14.40	63.25	14.54
	35	40.44	10.40	47.74	12.18	55.04	13.67	58.40	14.86	59.42	15.01	60.77	15.16	62.63	15.30
	37	40.44	10.85	47.74	12.71	55.04	14.27	57.23	15.51	58.23	15.59	58.94	15.66	60.12	15.74
	39	40.44	11.23	47.74	13.16	55.04	14.76	56.82	16.05	57.64	16.13	58.33	16.34	58.87	16.45
	41	40.44	11.69	47.74	13.69	55.04	15.36	56.65	16.70	57.05	16.81	57.73	16.97	58.24	17.11
	43	40.44	12.27	47.74	14.38	55.04	16.13	56.06	17.53	56.45	17.71	57.12	17.85	57.93	17.94
	46	40.44	12.81	47.74	15.00	55.04	16.83	54.94	18.30	55.32	18.39	55.41	18.45	55.61	18.45
	48	40.44	13.25	47.74	15.53	55.04	17.42	54.55	18.94	54.76	19.04	54.83	19.25	54.45	19.28
	50	40.44	13.79	47.74	16.16	55.04	18.13	54.38	19.71	54.19	19.83	54.26	20.00	53.87	20.05

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	35.39	4.55	41.77	5.33	48.16	5.98	51.10	6.50	55.63	6.56	59.55	6.63	61.92	6.69
	12	35.39	4.63	41.77	5.43	48.16	6.09	51.10	6.62	55.63	6.68	59.55	6.75	61.37	6.81
	14	35.39	4.71	41.77	5.52	48.16	6.20	51.10	6.73	55.63	6.80	59.02	6.87	60.82	6.94
	16	35.39	4.80	41.77	5.62	48.16	6.30	51.10	6.85	55.63	6.92	58.49	6.99	60.28	7.06
	18	35.39	4.88	41.77	5.72	48.16	6.41	51.10	6.97	55.63	7.04	57.95	7.11	59.73	7.18
	19	35.39	4.96	41.77	5.81	48.16	6.52	51.10	7.09	55.63	7.16	57.42	7.23	59.18	7.30
	21	35.39	5.04	41.77	5.91	48.16	6.63	51.10	7.21	55.63	7.28	56.89	7.35	58.63	7.42
	23	35.39	5.13	41.77	6.01	48.16	6.74	51.10	7.33	55.63	7.40	56.36	7.47	58.08	7.54
	25	35.39	5.29	41.77	6.20	48.16	6.96	51.10	7.56	55.11	7.64	55.83	7.71	57.54	7.79
	27	35.39	5.38	41.77	6.30	48.16	7.07	51.10	7.68	54.59	7.76	55.30	7.83	56.99	7.91
	29	35.39	6.62	41.77	7.75	48.16	8.70	51.10	9.45	54.07	9.55	54.76	9.64	56.44	9.74
	31	35.39	7.44	41.77	8.72	48.16	9.78	51.10	10.63	53.55	10.74	54.23	10.85	55.89	10.95
	33	35.39	7.86	41.77	9.20	48.16	10.33	51.10	11.22	52.51	11.34	53.70	11.45	55.35	11.56
	35	35.39	8.27	41.77	9.69	48.16	10.87	51.10	11.81	51.99	11.93	53.17	12.05	54.80	12.17
	37	35.39	8.63	41.77	10.11	48.16	11.34	50.08	12.33	50.95	12.39	51.57	12.46	52.61	12.52
	39	35.39	8.93	41.77	10.46	48.16	11.74	49.72	12.76	50.43	12.83	51.04	12.99	51.51	13.08
	41	35.39	9.30	41.77	10.89	48.16	12.22	49.57	13.28	49.91	13.36	50.51	13.50	50.96	13.60
	43	35.39	9.76	41.77	11.43	48.16	12.83	49.06	13.94	49.39	14.08	49.98	14.20	50.69	14.26
	46	35.39	10.18	41.77	11.93	48.16	13.39	48.07	14.55	48.41	14.62	48.48	14.67	48.66	14.67
	48	35.39	10.54	41.77	12.35	48.16	13.85	47.73	15.06	47.91	15.14	47.98	15.30	47.65	15.33
	50	35.39	10.97	41.77	12.85	48.16	14.42	47.58	15.67	47.42	15.77	47.48	15.90	47.14	15.94
60%	10	30.33	3.45	35.81	4.04	41.28	4.54	43.80	4.93	47.69	4.98	51.04	5.03	53.07	5.08
	12	30.33	3.52	35.81	4.12	41.28	4.62	43.80	5.02	47.69	5.07	51.04	5.12	52.61	5.17
	14	30.33	3.58	35.81	4.19	41.28	4.70	43.80	5.11	47.69	5.16	50.59	5.21	52.14	5.26
	16	30.33	3.64	35.81	4.26	41.28	4.78	43.80	5.20	47.69	5.25	50.13	5.31	51.67	5.36
	18	30.33	3.70	35.81	4.34	41.28	4.87	43.80	5.29	47.69	5.34	49.68	5.40	51.20	5.45
	19	30.33	3.77	35.81	4.41	41.28	4.95	43.80	5.38	47.69	5.43	49.22	5.49	50.73	5.54
	21	30.33	3.83	35.81	4.49	41.28	5.03	43.80	5.47	47.69	5.52	48.76	5.58	50.26	5.63
	23	30.33	3.89	35.81	4.56	41.28	5.11	43.80	5.56	47.69	5.62	48.31	5.67	49.79	5.73
	25	30.33	4.02	35.81	4.71	41.28	5.28	43.80	5.74	47.24	5.80	47.85	5.85	49.32	5.91
	27	30.33	4.08	35.81	4.78	41.28	5.36	43.80	5.83	46.79	5.89	47.40	5.95	48.85	6.00
	29	30.33	5.02	35.81	5.88	41.28	6.60	43.80	7.17	46.35	7.25	46.94	7.32	48.38	7.39
	31	30.33	5.65	35.81	6.62	41.28	7.42	43.80	8.07	45.90	8.15	46.49	8.23	47.91	8.31
	33	30.33	5.96	35.81	6.99	41.28	7.84	43.80	8.52	45.01	8.60	46.03	8.69	47.44	8.77
	35	30.33	6.28	35.81	7.35	41.28	8.25	43.80	8.97	44.57	9.06	45.57	9.15	46.97	9.24
	37	30.33	6.55	35.81	7.67	41.28	8.61	42.92	9.36	43.68	9.41	44.21	9.45	45.09	9.50
	39	30.33	6.78	35.81	7.94	41.28	8.91	42.62	9.68	43.23	9.74	43.75	9.86	44.15	9.93
	41	30.33	7.06	35.81	8.26	41.28	9.27	42.49	10.08	42.78	10.14	43.30	10.24	43.68	10.33
	43	30.33	7.41	35.81	8.68	41.28	9.73	42.05	10.58	42.34	10.69	42.84	10.77	43.45	10.82
	46	30.33	7.73	35.81	9.06	41.28	10.16	41.21	11.04	41.49	11.10	41.55	11.14	41.71	11.13
	48	30.33	8.00	35.81	9.37	41.28	10.51	40.91	11.43	41.07	11.49	41.13	11.62	40.84	11.64
	50	30.33	8.33	35.81	9.75	41.28	10.94	40.79	11.89	40.64	11.97	40.70	12.07	40.41	12.10
50%	10	25.28	2.43	29.84	2.85	34.40	3.20	36.50	3.47	39.74	3.51	42.54	3.54	44.23	3.58
	12	25.28	2.48	29.84	2.90	34.40	3.25	36.50	3.54	39.74	3.57	42.54	3.61	43.84	3.64
	14	25.28	2.52	29.84	2.95	34.40	3.31	36.50	3.60	39.74	3.64	42.16	3.67	43.45	3.71
	16	25.28	2.56	29.84	3.00	34.40	3.37	36.50	3.66	39.74	3.70	41.78	3.74	43.05	3.77
	18	25.28	2.61	29.84	3.06	34.40	3.43	36.50	3.73	39.74	3.76	41.40	3.80	42.66	3.84
	19	25.28	2.65	29.84	3.11	34.40	3.49	36.50	3.79	39.74	3.83	41.02	3.87	42.27	3.90
	21	25.28	2.70	29.84	3.16	34.40	3.54	36.50	3.85	39.74	3.89	40.64	3.93	41.88	3.97
	23	25.28	2.74	29.84	3.21	34.40	3.60	36.50	3.92	39.74	3.96	40.26	3.99	41.49	4.03
	25	25.28	2.83	29.84	3.31	34.40	3.72	36.50	4.04	39.37	4.08	39.88	4.12	41.10	4.16
	27	25.28	2.87	29.84	3.37	34.40	3.78	36.50	4.11	39.00	4.15	39.50	4.19	40.71	4.23
	29	25.28	3.54	29.84	4.14	34.40	4.65	36.50	5.05	38.62	5.10	39.12	5.15	40.31	5.20
	31	25.28	3.98	29.84	4.66	34.40	5.23	36.50	5.68	38.25	5.74	38.74	5.80	39.92	5.86
	33	25.28	4.20	29.84	4.92	34.40	5.52	36.50	6.00	37.51	6.06	38.36	6.12	39.53	6.18
	35	25.28	4.42	29.84	5.18	34.40	5.81	36.50	6.32	37.14	6.38	37.98	6.44	39.14	6.51
	37	25.28	4.61	29.84	5.41	34.40	6.06	35.77	6.59	36.40	6.63	36.84	6.66	37.58	6.69
	39	25.28	4.78	29.84	5.59	34.40	6.28	35.51	6.82	36.02	6.86	36.46	6.95	36.79	6.99
	41	25.28	4.97	29.84	5.82	34.40	6.53	35.41	7.10	35.65	7.15	36.08	7.22	36.40	7.27
	43	25.28	5.22	29.84	6.11	34.40	6.86	35.04	7.45	35.28	7.53	35.70	7.59	36.21	7.62
	46	25.28	5.44	29.84	6.38	34.40	7.16	34.34	7.78	34.58	7.82	34.63	7.84	34.76	7.84
	48	25.28	5.63	29.84	6.60	34.40	7.41	34.09	8.05	34.22	8.09	34.27	8.18	34.03	8.20
	50	25.28	5.86	29.84	6.87	34.40	7.71	33.99	8.38	33.87	8.43	33.91	8.50	33.67	8.52

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	20.22	1.93	23.87	2.26	27.52	2.53	29.20	2.75	31.79	2.78	34.03	2.81	35.38	2.84
	12	20.22	1.96	23.87	2.30	27.52	2.58	29.20	2.80	31.79	2.83	34.03	2.86	35.07	2.89
	14	20.22	2.00	23.87	2.34	27.52	2.63	29.20	2.85	31.79	2.88	33.72	2.91	34.76	2.94
	16	20.22	2.03	23.87	2.38	27.52	2.67	29.20	2.90	31.79	2.93	33.42	2.96	34.44	2.99
	18	20.22	2.07	23.87	2.42	27.52	2.72	29.20	2.95	31.79	2.98	33.12	3.01	34.13	3.04
	19	20.22	2.10	23.87	2.46	27.52	2.76	29.20	3.00	31.79	3.03	32.81	3.06	33.82	3.09
	21	20.22	2.14	23.87	2.50	27.52	2.81	29.20	3.05	31.79	3.08	32.51	3.12	33.50	3.15
	23	20.22	2.17	23.87	2.55	27.52	2.86	29.20	3.10	31.79	3.14	32.21	3.17	33.19	3.20
	25	20.22	2.24	23.87	2.63	27.52	2.95	29.20	3.20	31.49	3.24	31.90	3.27	32.88	3.30
	27	20.22	2.28	23.87	2.67	27.52	2.99	29.20	3.25	31.20	3.29	31.60	3.32	32.57	3.35
	29	20.22	2.80	23.87	3.28	27.52	3.69	29.20	4.01	30.90	4.05	31.29	4.09	32.25	4.13
	31	20.22	3.15	23.87	3.70	27.52	4.15	29.20	4.51	30.60	4.55	30.99	4.60	31.94	4.64
	33	20.22	3.33	23.87	3.90	27.52	4.38	29.20	4.76	30.01	4.80	30.69	4.85	31.63	4.90
	35	20.22	3.51	23.87	4.11	27.52	4.61	29.20	5.01	29.71	5.06	30.38	5.11	31.31	5.16
	37	20.22	3.66	23.87	4.28	27.52	4.81	28.62	5.23	29.12	5.25	29.47	5.28	30.06	5.30
	39	20.22	3.79	23.87	4.43	27.52	4.98	28.41	5.41	28.82	5.44	29.17	5.51	29.43	5.54
	41	20.22	3.94	23.87	4.62	27.52	5.18	28.32	5.63	28.52	5.66	28.86	5.72	29.12	5.77
	43	20.22	4.14	23.87	4.85	27.52	5.44	28.03	5.91	28.23	5.97	28.56	6.02	28.96	6.04
	46	20.22	4.32	23.87	5.06	27.52	5.67	27.47	6.17	27.66	6.20	27.70	6.22	27.81	6.22
	48	20.22	4.47	23.87	5.23	27.52	5.87	27.28	6.38	27.38	6.42	27.42	6.49	27.23	6.50
	50	20.22	4.65	23.87	5.45	27.52	6.11	27.19	6.64	27.10	6.68	27.13	6.74	26.94	6.76
30%	10	15.17	1.76	17.90	2.07	20.64	2.32	21.90	2.52	23.84	2.55	25.52	2.57	26.54	2.60
	12	15.17	1.80	17.90	2.10	20.64	2.36	21.90	2.57	23.84	2.59	25.52	2.62	26.30	2.64
	14	15.17	1.83	17.90	2.14	20.64	2.40	21.90	2.61	23.84	2.64	25.29	2.66	26.07	2.69
	16	15.17	1.86	17.90	2.18	20.64	2.44	21.90	2.66	23.84	2.68	25.07	2.71	25.83	2.74
	18	15.17	1.89	17.90	2.22	20.64	2.49	21.90	2.70	23.84	2.73	24.84	2.76	25.60	2.78
	19	15.17	1.92	17.90	2.25	20.64	2.53	21.90	2.75	23.84	2.78	24.61	2.80	25.36	2.83
	21	15.17	1.96	17.90	2.29	20.64	2.57	21.90	2.79	23.84	2.82	24.38	2.85	25.13	2.88
	23	15.17	1.99	17.90	2.33	20.64	2.61	21.90	2.84	23.84	2.87	24.15	2.90	24.89	2.93
	25	15.17	2.05	17.90	2.40	20.64	2.70	21.90	2.93	23.62	2.96	23.93	2.99	24.66	3.02
	27	15.17	2.08	17.90	2.44	20.64	2.74	21.90	2.98	23.40	3.01	23.70	3.04	24.42	3.07
	29	15.17	2.57	17.90	3.01	20.64	3.37	21.90	3.67	23.17	3.70	23.47	3.74	24.19	3.78
	31	15.17	2.89	17.90	3.38	20.64	3.79	21.90	4.12	22.95	4.16	23.24	4.21	23.95	4.25
	33	15.17	3.05	17.90	3.57	20.64	4.00	21.90	4.35	22.51	4.40	23.01	4.44	23.72	4.48
	35	15.17	3.21	17.90	3.76	20.64	4.22	21.90	4.58	22.28	4.63	22.79	4.67	23.48	4.72
	37	15.17	3.35	17.90	3.92	20.64	4.40	21.46	4.78	21.84	4.81	22.10	4.83	22.55	4.85
	39	15.17	3.46	17.90	4.06	20.64	4.55	21.31	4.95	21.61	4.97	21.88	5.04	22.08	5.07
	41	15.17	3.60	17.90	4.22	20.64	4.74	21.24	5.15	21.39	5.18	21.65	5.23	21.84	5.28
	43	15.17	3.78	17.90	4.43	20.64	4.97	21.02	5.41	21.17	5.46	21.42	5.51	21.72	5.53
	46	15.17	3.95	17.90	4.63	20.64	5.19	20.60	5.64	20.75	5.67	20.78	5.69	20.85	5.69
	48	15.17	4.09	17.90	4.79	20.64	5.37	20.46	5.84	20.53	5.87	20.56	5.93	20.42	5.95
	50	15.17	4.25	17.90	4.98	20.64	5.59	20.39	6.08	20.32	6.12	20.35	6.17	20.20	6.18
20%	10	10.11	1.02	11.94	1.20	13.76	1.34	14.60	1.46	15.90	1.47	17.01	1.49	17.69	1.50
	12	10.11	1.04	11.94	1.22	13.76	1.37	14.60	1.48	15.90	1.50	17.01	1.51	17.54	1.53
	14	10.11	1.06	11.94	1.24	13.76	1.39	14.60	1.51	15.90	1.53	16.86	1.54	17.38	1.56
	16	10.11	1.08	11.94	1.26	13.76	1.41	14.60	1.54	15.90	1.55	16.71	1.57	17.22	1.58
	18	10.11	1.09	11.94	1.28	13.76	1.44	14.60	1.56	15.90	1.58	16.56	1.60	17.07	1.61
	19	10.11	1.11	11.94	1.30	13.76	1.46	14.60	1.59	15.90	1.61	16.41	1.62	16.91	1.64
	21	10.11	1.13	11.94	1.33	13.76	1.49	14.60	1.62	15.90	1.63	16.25	1.65	16.75	1.67
	23	10.11	1.15	11.94	1.35	13.76	1.51	14.60	1.64	15.90	1.66	16.10	1.68	16.60	1.69
	25	10.11	1.19	11.94	1.39	13.76	1.56	14.60	1.70	15.75	1.71	15.95	1.73	16.44	1.75
	27	10.11	1.21	11.94	1.41	13.76	1.59	14.60	1.72	15.60	1.74	15.80	1.76	16.28	1.77
	29	10.11	1.48	11.94	1.74	13.76	1.95	14.60	2.12	15.45	2.14	15.65	2.16	16.13	2.18
	31	10.11	1.67	11.94	1.96	13.76	2.19	14.60	2.39	15.30	2.41	15.50	2.43	15.97	2.46
	33	10.11	1.76	11.94	2.07	13.76	2.32	14.60	2.52	15.00	2.54	15.34	2.57	15.81	2.59
	35	10.11	1.86	11.94	2.17	13.76	2.44	14.60	2.65	14.86	2.68	15.19	2.70	15.66	2.73
	37	10.11	1.94	11.94	2.27	13.76	2.55	14.31	2.77	14.56	2.78	14.74	2.79	15.03	2.81
	39	10.11	2.00	11.94	2.35	13.76	2.63	14.21	2.86	14.41	2.88	14.58	2.91	14.72	2.94
	41	10.11	2.09	11.94	2.44	13.76	2.74	14.16	2.98	14.26	3.00	14.43	3.03	14.56	3.05
	43	10.11	2.19	11.94	2.57	13.76	2.88	14.02	3.13	14.11	3.16	14.28	3.19	14.48	3.20
	46	10.11	2.29	11.94	2.68	13.76	3.00	13.74	3.26	13.83	3.28	13.85	3.29	13.90	3.29
	48	10.11	2.36	11.94	2.77	13.76	3.11	13.64	3.38	13.69	3.40	13.71	3.43	13.61	3.44
	50	10.11	2.46	11.94	2.88	13.76	3.23	13.60	3.52	13.55	3.54	13.57	3.57	13.47	3.58

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR280ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	59.60	9.88	70.36	11.58	81.12	12.99	86.07	14.12	93.71	14.26	100.30	14.40	104.30	14.54
	12	59.60	10.06	70.36	11.79	81.12	13.23	86.07	14.38	93.71	14.52	100.30	14.66	103.37	14.81
	14	59.60	10.24	70.36	12.00	81.12	13.46	86.07	14.63	93.71	14.78	99.41	14.93	102.45	15.07
	16	59.60	10.42	70.36	12.21	81.12	13.70	86.07	14.89	93.71	15.04	98.51	15.19	101.53	15.34
	18	59.60	10.60	70.36	12.42	81.12	13.93	86.07	15.15	93.71	15.30	97.62	15.45	100.60	15.60
	19	59.60	10.78	70.36	12.63	78.69	14.17	86.07	15.40	93.71	15.56	96.72	15.71	99.68	15.87
	21	59.60	10.96	70.36	12.84	81.12	14.41	86.07	15.66	93.71	15.82	95.82	15.97	98.76	16.13
	23	59.60	11.14	70.36	13.05	81.12	14.64	86.07	15.92	93.71	16.08	94.93	16.23	97.83	16.39
	25	59.60	11.50	70.36	13.47	81.12	15.12	86.07	16.43	92.83	16.59	94.03	16.76	96.91	16.92
	27	59.60	11.68	70.36	13.68	81.12	15.35	86.07	16.69	91.95	16.85	93.14	17.02	95.99	17.19
	29	59.60	14.38	70.36	16.84	81.12	18.89	86.07	20.54	91.08	20.74	92.24	20.95	95.07	21.15
	31	59.60	16.17	70.36	18.95	81.12	21.26	86.07	23.10	90.20	23.34	91.35	23.57	94.14	23.80
	33	59.60	17.07	70.36	20.00	81.12	22.44	86.07	24.39	88.45	24.63	90.45	24.88	93.22	25.12
	35	59.60	17.97	70.36	21.05	81.12	23.62	86.07	25.67	87.58	25.93	89.56	26.19	92.30	26.44
	37	59.60	18.75	70.36	21.97	81.12	24.65	84.35	26.79	85.82	26.93	86.87	27.07	88.60	27.20
	39	59.60	19.41	70.36	22.74	81.12	25.51	83.75	27.73	84.95	27.87	85.97	28.23	86.76	28.43
	41	59.60	20.20	70.36	23.66	81.12	26.55	83.49	28.86	84.07	29.04	85.08	29.33	85.84	29.56
	43	59.60	21.21	70.36	24.84	81.12	27.87	82.63	30.29	83.20	30.60	84.18	30.85	85.37	30.99
	46	59.60	22.13	70.36	25.92	81.12	29.08	80.97	31.61	81.53	31.78	81.66	31.88	81.96	31.88
	48	59.60	22.90	70.36	26.83	81.12	30.10	80.40	32.72	80.70	32.89	80.81	33.25	80.25	33.31
	50	59.60	23.83	70.36	27.92	81.12	31.33	80.15	34.05	79.87	34.27	79.97	34.55	79.40	34.65
120%	10	58.63	9.79	69.22	11.47	79.80	12.86	84.67	13.98	92.18	14.12	98.67	14.26	102.60	14.40
	12	58.63	9.97	69.22	11.67	79.80	13.10	84.67	14.24	92.18	14.38	98.67	14.52	101.69	14.66
	14	58.63	10.14	69.22	11.88	79.80	13.33	84.67	14.49	92.18	14.64	97.79	14.78	100.78	14.93
	16	58.63	10.32	69.22	12.09	79.80	13.57	84.67	14.75	92.18	14.89	96.91	15.04	99.87	15.19
	18	58.63	10.50	69.22	12.30	79.80	13.80	84.67	15.00	92.18	15.15	96.03	15.30	98.96	15.45
	19	58.63	10.68	69.22	12.51	79.80	14.03	84.67	15.25	92.18	15.41	95.14	15.56	98.06	15.71
	21	58.63	10.86	69.22	12.72	79.80	14.27	84.67	15.51	92.18	15.66	94.26	15.82	97.15	15.97
	23	58.63	11.03	69.22	12.92	79.80	14.50	84.67	15.76	92.18	15.92	93.38	16.08	96.24	16.23
	25	58.63	11.39	69.22	13.34	79.80	14.97	84.67	16.27	91.32	16.43	92.50	16.60	95.33	16.76
	27	58.63	11.57	69.22	13.55	79.80	15.20	84.67	16.52	90.46	16.69	91.62	16.86	94.43	17.02
	29	58.63	14.24	69.22	16.68	79.80	18.71	84.67	20.34	89.60	20.54	90.74	20.74	93.52	20.95
	31	58.63	16.02	69.22	18.76	79.80	21.05	84.67	22.88	88.73	23.11	89.86	23.34	92.61	23.57
	33	58.63	16.91	69.22	19.80	79.80	22.22	84.67	24.15	87.01	24.39	88.98	24.63	91.70	24.88
	35	58.63	17.80	69.22	20.85	79.80	23.39	84.67	25.42	86.15	25.68	88.10	25.93	90.79	26.19
	37	58.63	18.57	69.22	21.76	79.80	24.41	82.97	26.53	84.43	26.67	85.45	26.80	87.16	26.93
	39	58.63	19.22	69.22	22.51	79.80	25.26	82.38	27.46	83.57	27.60	84.57	27.95	85.35	28.15
	41	58.63	20.00	69.22	23.43	79.80	26.29	82.13	28.58	82.70	28.76	83.69	29.04	84.44	29.28
	43	58.63	21.00	69.22	24.60	79.80	27.60	81.28	30.00	81.84	30.30	82.81	30.55	83.98	30.69
	46	58.63	21.91	69.22	25.67	79.80	28.80	79.66	31.31	80.21	31.47	80.33	31.57	80.62	31.57
	48	58.63	22.68	69.22	26.57	79.80	29.81	79.09	32.40	79.39	32.57	79.50	32.93	78.95	32.99
	50	58.63	23.60	69.22	27.65	79.80	31.02	78.84	33.72	78.57	33.93	78.67	34.21	78.11	34.31
110%	10	57.66	9.55	68.07	11.19	78.48	12.56	83.27	13.65	90.65	13.79	97.03	13.92	100.90	14.06
	12	57.66	9.73	68.07	11.40	78.48	12.79	83.27	13.90	90.65	14.04	97.03	14.18	100.01	14.31
	14	57.66	9.90	68.07	11.60	78.48	13.01	83.27	14.15	90.65	14.29	96.17	14.43	99.11	14.57
	16	57.66	10.08	68.07	11.80	78.48	13.24	83.27	14.39	90.65	14.54	95.30	14.68	98.22	14.83
	18	57.66	10.25	68.07	12.01	78.48	13.47	83.27	14.64	90.65	14.79	94.44	14.94	97.33	15.08
	19	57.66	10.42	68.07	12.21	78.48	13.70	83.27	14.89	90.65	15.04	93.57	15.19	96.43	15.34
	21	57.66	10.60	68.07	12.41	78.48	13.93	83.27	15.14	90.65	15.29	92.70	15.44	95.54	15.59
	23	57.66	10.77	68.07	12.62	78.48	14.16	83.27	15.39	90.65	15.54	91.84	15.69	94.65	15.85
	25	57.66	11.12	68.07	13.02	78.48	14.61	83.27	15.88	89.81	16.04	90.97	16.20	93.75	16.36
	27	57.66	11.29	68.07	13.23	78.48	14.84	83.27	16.13	88.96	16.29	90.10	16.45	92.86	16.62
	29	57.66	13.90	68.07	16.28	78.48	18.27	83.27	19.85	88.11	20.05	89.24	20.25	91.97	20.45
	31	57.66	15.63	68.07	18.32	78.48	20.55	83.27	22.34	87.26	22.56	88.37	22.78	91.08	23.01
	33	57.66	16.50	68.07	19.33	78.48	21.69	83.27	23.58	85.57	23.81	87.50	24.05	90.18	24.28
	35	57.66	17.37	68.07	20.35	78.48	22.83	83.27	24.82	84.72	25.07	86.64	25.31	89.29	25.56
	37	57.66	18.13	68.07	21.24	78.48	23.83	81.60	25.90	83.03	26.03	84.04	26.16	85.72	26.29
	39	57.66	18.76	68.07	21.98	78.48	24.66	81.02	26.80	82.18	26.95	83.17	27.29	83.93	27.48
	41	57.66	19.53	68.07	22.87	78.48	25.66	80.77	27.89	81.33	28.07	82.31	28.35	83.04	28.58
	43	57.66	20.50	68.07	24.01	78.48	26.94	79.94	29.28	80.49	29.58	81.44	29.82	82.59	29.96
	46	57.66	21.39	68.07	25.06	78.48	28.12	78.34	30.56	78.88	30.72	79.00	30.82	79.29	30.82
	48	57.66	22.14	68.07	25.93	78.48	29.10	77.78	31.63	78.07	31.80	78.18	32.15	77.64	32.21
	50	57.66	23.04	68.07	26.99	78.48	30.28	77.54	32.92	77.27	33.13	77.37	33.40	76.81	33.49

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	54.36	9.05	64.17	10.60	73.99	11.89	78.50	12.93	85.46	13.05	91.48	13.18	95.12	13.31
	12	54.36	9.21	64.17	10.79	73.99	12.11	78.50	13.16	85.46	13.29	91.48	13.42	94.28	13.55
	14	54.36	9.38	64.17	10.98	73.99	12.32	78.50	13.40	85.46	13.53	90.66	13.66	93.44	13.80
	16	54.36	9.54	64.17	11.18	73.99	12.54	78.50	13.63	85.46	13.77	89.85	13.90	92.60	14.04
	18	54.36	9.71	64.17	11.37	73.99	12.76	78.50	13.87	85.46	14.00	89.03	14.14	91.76	14.28
	19	54.36	9.87	64.17	11.56	73.99	12.97	78.50	14.10	85.46	14.24	88.21	14.38	90.91	14.52
	21	54.36	10.03	64.17	11.75	73.99	13.19	78.50	14.34	85.46	14.48	87.40	14.62	90.07	14.77
	23	54.36	10.20	64.17	11.95	73.99	13.40	78.50	14.57	85.46	14.72	86.58	14.86	89.23	15.01
	25	54.36	10.53	64.17	12.33	73.99	13.84	78.50	15.04	84.67	15.19	85.76	15.34	88.39	15.49
	27	54.36	10.69	64.17	12.53	73.99	14.05	78.50	15.28	83.87	15.43	84.95	15.58	87.55	15.73
	29	54.36	13.16	64.17	15.42	73.99	17.30	78.50	18.80	83.07	18.99	84.13	19.18	86.70	19.36
	31	54.36	14.81	64.17	17.34	73.99	19.46	78.50	21.15	82.27	21.36	83.31	21.57	85.86	21.78
	33	54.36	15.63	64.17	18.31	73.99	20.54	78.50	22.33	80.67	22.55	82.50	22.77	85.02	22.99
	35	54.36	16.45	64.17	19.27	73.99	21.62	78.50	23.50	79.87	23.74	81.68	23.97	84.18	24.21
	37	54.36	17.17	64.17	20.11	73.99	22.56	76.93	24.52	78.28	24.65	79.23	24.78	80.81	24.90
	39	54.36	17.77	64.17	20.81	73.99	23.35	76.38	25.38	77.48	25.52	78.41	25.84	79.13	26.02
	41	54.36	18.49	64.17	21.66	73.99	24.30	76.15	26.41	76.68	26.58	77.60	26.85	78.29	27.06
	43	54.36	19.41	64.17	22.74	73.99	25.51	75.36	27.73	75.88	28.01	76.78	28.24	77.87	28.37
	46	54.36	20.26	64.17	23.73	73.99	26.62	73.85	28.94	74.36	29.09	74.48	29.19	74.75	29.18
	48	54.36	20.96	64.17	24.56	73.99	27.55	73.33	29.95	73.60	30.11	73.71	30.44	73.19	30.50
	50	54.36	21.82	64.17	25.56	73.99	28.68	73.10	31.17	72.84	31.37	72.94	31.63	72.42	31.72
90%	10	48.93	7.59	57.76	8.90	66.59	9.98	70.65	10.85	76.92	10.96	82.33	11.07	85.61	11.17
	12	48.93	7.73	57.76	9.06	66.59	10.16	70.65	11.05	76.92	11.16	82.33	11.27	84.85	11.38
	14	48.93	7.87	57.76	9.22	66.59	10.34	70.65	11.24	76.92	11.36	81.60	11.47	84.10	11.58
	16	48.93	8.01	57.76	9.38	66.59	10.53	70.65	11.44	76.92	11.56	80.86	11.67	83.34	11.78
	18	48.93	8.15	57.76	9.54	66.59	10.71	70.65	11.64	76.92	11.75	80.13	11.87	82.58	11.99
	19	48.93	8.28	57.76	9.71	66.59	10.89	70.65	11.84	76.92	11.95	79.39	12.07	81.82	12.19
	21	48.93	8.42	57.76	9.87	66.59	11.07	70.65	12.03	76.92	12.15	78.66	12.27	81.06	12.39
	23	48.93	8.56	57.76	10.03	66.59	11.25	70.65	12.23	76.92	12.35	77.92	12.47	80.31	12.60
	25	48.93	8.84	57.76	10.35	66.59	11.61	70.65	12.62	76.20	12.75	77.19	12.88	79.55	13.00
	27	48.93	8.98	57.76	10.51	66.59	11.80	70.65	12.82	75.48	12.95	76.45	13.08	78.79	13.21
	29	48.93	11.05	57.76	12.94	66.59	14.52	70.65	15.78	74.76	15.94	75.72	16.10	78.03	16.25
	31	48.93	12.43	57.76	14.56	66.59	16.33	70.65	17.75	74.04	17.93	74.98	18.11	77.28	18.29
	33	48.93	13.12	57.76	15.37	66.59	17.24	70.65	18.74	72.61	18.93	74.25	19.11	76.52	19.30
	35	48.93	13.81	57.76	16.18	66.59	18.15	70.65	19.73	71.89	19.92	73.51	20.12	75.76	20.32
	37	48.93	14.41	57.76	16.88	66.59	18.94	69.24	20.59	70.45	20.69	71.31	20.80	72.73	20.90
	39	48.93	14.91	57.76	17.47	66.59	19.60	68.74	21.30	69.73	21.42	70.57	21.69	71.22	21.84
	41	48.93	15.52	57.76	18.18	66.59	20.40	68.53	22.17	69.01	22.31	69.84	22.53	70.46	22.71
	43	48.93	16.29	57.76	19.09	66.59	21.41	67.82	23.28	68.29	23.51	69.10	23.70	70.08	23.81
	46	48.93	17.00	57.76	19.92	66.59	22.35	66.47	24.29	66.93	24.42	67.03	24.50	67.28	24.49
	48	48.93	17.60	57.76	20.61	66.59	23.13	65.99	25.14	66.24	25.27	66.34	25.55	65.87	25.60
	50	48.93	18.31	57.76	21.45	66.59	24.07	65.79	26.16	65.56	26.33	65.65	26.55	65.17	26.62
80%	10	43.49	6.22	51.34	7.29	59.19	8.18	62.80	8.89	68.37	8.98	73.18	9.07	76.10	9.16
	12	43.49	6.34	51.34	7.42	59.19	8.33	62.80	9.05	68.37	9.14	73.18	9.23	75.42	9.32
	14	43.49	6.45	51.34	7.56	59.19	8.48	62.80	9.21	68.37	9.31	72.53	9.40	74.75	9.49
	16	43.49	6.56	51.34	7.69	59.19	8.63	62.80	9.38	68.37	9.47	71.88	9.56	74.08	9.66
	18	43.49	6.68	51.34	7.82	59.19	8.77	62.80	9.54	68.37	9.63	71.22	9.73	73.40	9.82
	19	43.49	6.79	51.34	7.95	59.19	8.92	62.80	9.70	68.37	9.80	70.57	9.89	72.73	9.99
	21	43.49	6.90	51.34	8.09	59.19	9.07	62.80	9.86	68.37	9.96	69.92	10.06	72.06	10.16
	23	43.49	7.02	51.34	8.22	59.19	9.22	62.80	10.02	68.37	10.12	69.26	10.22	71.38	10.32
	25	43.49	7.24	51.34	8.48	59.19	9.52	62.80	10.35	67.73	10.45	68.61	10.55	70.71	10.66
	27	43.49	7.36	51.34	8.62	59.19	9.67	62.80	10.51	67.09	10.61	67.96	10.72	70.04	10.82
	29	43.49	9.05	51.34	10.60	59.19	11.90	62.80	12.93	66.45	13.06	67.30	13.19	69.36	13.32
	31	43.49	10.18	51.34	11.93	59.19	13.38	62.80	14.55	65.82	14.69	66.65	14.84	68.69	14.99
	33	43.49	10.75	51.34	12.59	59.19	14.13	62.80	15.36	64.54	15.51	66.00	15.66	68.02	15.82
	35	43.49	11.32	51.34	13.26	59.19	14.87	62.80	16.17	63.90	16.33	65.34	16.49	67.34	16.65
	37	43.49	11.81	51.34	13.83	59.19	15.52	61.54	16.87	62.62	16.96	63.38	17.04	64.65	17.13
	39	43.49	12.22	51.34	14.32	59.19	16.06	61.10	17.46	61.98	17.55	62.73	17.77	63.30	17.90
	41	43.49	12.72	51.34	14.90	59.19	16.72	60.92	18.17	61.34	18.29	62.08	18.47	62.63	18.61
	43	43.49	13.35	51.34	15.64	59.19	17.55	60.29	19.07	60.70	19.27	61.42	19.42	62.29	19.51
	46	43.49	13.93	51.34	16.32	59.19	18.31	59.08	19.91	59.49	20.01	59.58	20.08	59.80	20.07
	48	43.49	14.42	51.34	16.89	59.19	18.95	58.66	20.60	58.88	20.71	58.97	20.94	58.56	20.98
	50	43.49	15.01	51.34	17.58	59.19	19.72	58.48	21.44	58.28	21.58	58.35	21.75	57.93	21.82

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	38.05	4.95	44.92	5.80	51.79	6.50	54.95	7.07	59.83	7.14	64.04	7.21	66.59	7.28
	12	38.05	5.04	44.92	5.90	51.79	6.62	54.95	7.20	59.83	7.27	64.04	7.34	66.00	7.41
	14	38.05	5.13	44.92	6.01	51.79	6.74	54.95	7.33	59.83	7.40	63.46	7.47	65.41	7.55
	16	38.05	5.22	44.92	6.11	51.79	6.86	54.95	7.46	59.83	7.53	62.89	7.60	64.82	7.68
	18	38.05	5.31	44.92	6.22	51.79	6.98	54.95	7.58	59.83	7.66	62.32	7.74	64.23	7.81
	19	38.05	5.40	44.92	6.32	51.79	7.10	54.95	7.71	59.83	7.79	61.75	7.87	63.64	7.94
	21	38.05	5.49	44.92	6.43	51.79	7.21	54.95	7.84	59.83	7.92	61.18	8.00	63.05	8.08
	23	38.05	5.58	44.92	6.53	51.79	7.33	54.95	7.97	59.83	8.05	60.61	8.13	62.46	8.21
	25	38.05	5.76	44.92	6.75	51.79	7.57	54.95	8.23	59.27	8.31	60.03	8.39	61.87	8.47
	27	38.05	5.85	44.92	6.85	51.79	7.69	54.95	8.35	58.71	8.44	59.46	8.52	61.28	8.61
	29	38.05	7.20	44.92	8.43	51.79	9.46	54.95	10.28	58.15	10.39	58.89	10.49	60.69	10.59
	31	38.05	8.10	44.92	9.49	51.79	10.64	54.95	11.57	57.59	11.68	58.32	11.80	60.10	11.92
	33	38.05	8.55	44.92	10.01	51.79	11.23	54.95	12.21	56.47	12.33	57.75	12.46	59.51	12.58
	35	38.05	9.00	44.92	10.54	51.79	11.83	54.95	12.85	55.91	12.98	57.18	13.11	58.93	13.24
	37	38.05	9.39	44.92	11.00	51.79	12.34	53.85	13.41	54.79	13.48	55.46	13.55	56.57	13.62
	39	38.05	9.72	44.92	11.38	51.79	12.77	53.47	13.88	54.23	13.96	54.89	14.13	55.39	14.23
	41	38.05	10.11	44.92	11.85	51.79	13.29	53.30	14.45	53.68	14.54	54.32	14.68	54.80	14.80
	43	38.05	10.62	44.92	12.44	51.79	13.95	52.75	15.17	53.12	15.32	53.74	15.44	54.51	15.52
	46	38.05	11.08	44.92	12.98	51.79	14.56	51.70	15.83	52.05	15.91	52.13	15.96	52.33	15.96
	48	38.05	11.47	44.92	13.43	51.79	15.07	51.33	16.38	51.52	16.47	51.60	16.65	51.24	16.68
	50	38.05	11.93	44.92	13.98	51.79	15.68	51.17	17.05	50.99	17.16	51.06	17.30	50.69	17.35
60%	10	32.62	3.76	38.50	4.40	44.39	4.94	47.10	5.37	51.28	5.42	54.89	5.47	57.07	5.53
	12	32.62	3.82	38.50	4.48	44.39	5.03	47.10	5.46	51.28	5.52	54.89	5.57	56.57	5.63
	14	32.62	3.89	38.50	4.56	44.39	5.12	47.10	5.56	51.28	5.62	54.40	5.67	56.06	5.73
	16	32.62	3.96	38.50	4.64	44.39	5.21	47.10	5.66	51.28	5.72	53.91	5.77	55.56	5.83
	18	32.62	4.03	38.50	4.72	44.39	5.30	47.10	5.76	51.28	5.81	53.42	5.87	55.05	5.93
	19	32.62	4.10	38.50	4.80	44.39	5.39	47.10	5.85	51.28	5.91	52.93	5.97	54.55	6.03
	21	32.62	4.17	38.50	4.88	44.39	5.48	47.10	5.95	51.28	6.01	52.44	6.07	54.04	6.13
	23	32.62	4.23	38.50	4.96	44.39	5.56	47.10	6.05	51.28	6.11	51.95	6.17	53.54	6.23
	25	32.62	4.37	38.50	5.12	44.39	5.74	47.10	6.24	50.80	6.31	51.46	6.37	53.03	6.43
	27	32.62	4.44	38.50	5.20	44.39	5.83	47.10	6.34	50.32	6.40	50.97	6.47	52.53	6.53
	29	32.62	5.46	38.50	6.40	44.39	7.18	47.10	7.80	49.84	7.88	50.48	7.96	52.02	8.04
	31	32.62	6.15	38.50	7.20	44.39	8.08	47.10	8.78	49.36	8.87	49.99	8.96	51.52	9.04
	33	32.62	6.49	38.50	7.60	44.39	8.53	47.10	9.27	48.40	9.36	49.50	9.45	51.01	9.55
	35	32.62	6.83	38.50	8.00	44.39	8.98	47.10	9.76	47.92	9.85	49.01	9.95	50.51	10.05
	37	32.62	7.13	38.50	8.35	44.39	9.37	46.16	10.18	46.97	10.23	47.54	10.29	48.49	10.34
	39	32.62	7.38	38.50	8.64	44.39	9.69	45.83	10.54	46.49	10.59	47.05	10.73	47.48	10.80
	41	32.62	7.68	38.50	8.99	44.39	10.09	45.69	10.97	46.01	11.04	46.56	11.15	46.97	11.23
	43	32.62	8.06	38.50	9.44	44.39	10.59	45.22	11.51	45.53	11.63	46.07	11.72	46.72	11.78
	46	32.62	8.41	38.50	9.85	44.39	11.05	44.31	12.01	44.62	12.08	44.69	12.12	44.85	12.11
	48	32.62	8.70	38.50	10.20	44.39	11.44	44.00	12.43	44.16	12.50	44.22	12.64	43.92	12.66
	50	32.62	9.06	38.50	10.61	44.39	11.90	43.86	12.94	43.71	13.02	43.76	13.13	43.45	13.17
50%	10	27.18	2.65	32.09	3.10	36.99	3.48	39.25	3.78	42.73	3.82	45.74	3.86	47.56	3.89
	12	27.18	2.69	32.09	3.16	36.99	3.54	39.25	3.85	42.73	3.89	45.74	3.93	47.14	3.96
	14	27.18	2.74	32.09	3.21	36.99	3.60	39.25	3.92	42.73	3.96	45.33	4.00	46.72	4.03
	16	27.18	2.79	32.09	3.27	36.99	3.67	39.25	3.99	42.73	4.03	44.92	4.07	46.30	4.11
	18	27.18	2.84	32.09	3.32	36.99	3.73	39.25	4.05	42.73	4.10	44.52	4.14	45.88	4.18
	19	27.18	2.89	32.09	3.38	36.99	3.79	39.25	4.12	42.73	4.16	44.11	4.21	45.46	4.25
	21	27.18	2.93	32.09	3.44	36.99	3.86	39.25	4.19	42.73	4.23	43.70	4.28	45.04	4.32
	23	27.18	2.98	32.09	3.49	36.99	3.92	39.25	4.26	42.73	4.30	43.29	4.35	44.62	4.39
	25	27.18	3.08	32.09	3.61	36.99	4.05	39.25	4.40	42.33	4.44	42.88	4.49	44.19	4.53
	27	27.18	3.13	32.09	3.66	36.99	4.11	39.25	4.47	41.93	4.51	42.47	4.56	43.77	4.60
	29	27.18	3.85	32.09	4.51	36.99	5.06	39.25	5.50	41.53	5.55	42.06	5.61	43.35	5.66
	31	27.18	4.33	32.09	5.07	36.99	5.69	39.25	6.18	41.13	6.25	41.66	6.31	42.93	6.37
	33	27.18	4.57	32.09	5.35	36.99	6.01	39.25	6.53	40.34	6.59	41.25	6.66	42.51	6.72
	35	27.18	4.81	32.09	5.64	36.99	6.32	39.25	6.87	39.94	6.94	40.84	7.01	42.09	7.08
	37	27.18	5.02	32.09	5.88	36.99	6.60	38.47	7.17	39.14	7.21	39.61	7.24	40.41	7.28
	39	27.18	5.20	32.09	6.09	36.99	6.83	38.19	7.42	38.74	7.46	39.21	7.56	39.56	7.61
	41	27.18	5.41	32.09	6.33	36.99	7.11	38.07	7.72	38.34	7.77	38.80	7.85	39.14	7.91
	43	27.18	5.68	32.09	6.65	36.99	7.46	37.68	8.11	37.94	8.19	38.39	8.26	38.93	8.30
	46	27.18	5.92	32.09	6.94	36.99	7.79	36.93	8.46	37.18	8.51	37.24	8.53	37.38	8.53
	48	27.18	6.13	32.09	7.18	36.99	8.06	36.66	8.76	36.80	8.80	36.85	8.90	36.60	8.92
	50	27.18	6.38	32.09	7.47	36.99	8.39	36.55	9.11	36.42	9.17	36.47	9.25	36.21	9.27

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	21.74	2.10	25.67	2.46	29.59	2.76	31.40	3.00	34.19	3.03	36.59	3.06	38.05	3.09
	12	21.74	2.14	25.67	2.50	29.59	2.81	31.40	3.05	34.19	3.08	36.59	3.11	37.71	3.14
	14	21.74	2.17	25.67	2.55	29.59	2.86	31.40	3.11	34.19	3.14	36.27	3.17	37.38	3.20
	16	21.74	2.21	25.67	2.59	29.59	2.91	31.40	3.16	34.19	3.19	35.94	3.22	37.04	3.25
	18	21.74	2.25	25.67	2.64	29.59	2.96	31.40	3.21	34.19	3.25	35.61	3.28	36.70	3.31
	19	21.74	2.29	25.67	2.68	29.59	3.01	31.40	3.27	34.19	3.30	35.29	3.33	36.37	3.37
	21	21.74	2.33	25.67	2.72	29.59	3.06	31.40	3.32	34.19	3.36	34.96	3.39	36.03	3.42
	23	21.74	2.36	25.67	2.77	29.59	3.11	31.40	3.38	34.19	3.41	34.63	3.45	35.69	3.48
	25	21.74	2.44	25.67	2.86	29.59	3.21	31.40	3.49	33.87	3.52	34.31	3.56	35.36	3.59
	27	21.74	2.48	25.67	2.90	29.59	3.26	31.40	3.54	33.55	3.58	33.98	3.61	35.02	3.65
	29	21.74	3.05	25.67	3.57	29.59	4.01	31.40	4.36	33.23	4.40	33.65	4.45	34.68	4.49
	31	21.74	3.43	25.67	4.02	29.59	4.51	31.40	4.90	32.91	4.95	33.33	5.00	34.35	5.05
	33	21.74	3.62	25.67	4.24	29.59	4.76	31.40	5.18	32.27	5.23	33.00	5.28	34.01	5.33
	35	21.74	3.81	25.67	4.47	29.59	5.01	31.40	5.45	31.95	5.50	32.67	5.56	33.67	5.61
	37	21.74	3.98	25.67	4.66	29.59	5.23	30.77	5.69	31.31	5.71	31.69	5.74	32.32	5.77
	39	21.74	4.12	25.67	4.82	29.59	5.41	30.55	5.88	30.99	5.91	31.36	5.99	31.65	6.03
	41	21.74	4.29	25.67	5.02	29.59	5.63	30.46	6.12	30.67	6.16	31.04	6.22	31.31	6.27
	43	21.74	4.50	25.67	5.27	29.59	5.91	30.14	6.43	30.35	6.49	30.71	6.55	31.15	6.58
	46	21.74	4.70	25.67	5.50	29.59	6.17	29.54	6.71	29.74	6.74	29.79	6.77	29.90	6.76
	48	21.74	4.86	25.67	5.69	29.59	6.39	29.33	6.94	29.44	6.98	29.48	7.06	29.28	7.07
	50	21.74	5.06	25.67	5.92	29.59	6.65	29.24	7.23	29.14	7.27	29.18	7.33	28.97	7.35
30%	10	16.31	1.92	19.25	2.25	22.20	2.52	23.55	2.74	25.64	2.77	27.44	2.80	28.54	2.82
	12	16.31	1.95	19.25	2.29	22.20	2.57	23.55	2.79	25.64	2.82	27.44	2.85	28.28	2.88
	14	16.31	1.99	19.25	2.33	22.20	2.61	23.55	2.84	25.64	2.87	27.20	2.90	28.03	2.93
	16	16.31	2.02	19.25	2.37	22.20	2.66	23.55	2.89	25.64	2.92	26.95	2.95	27.78	2.98
	18	16.31	2.06	19.25	2.41	22.20	2.71	23.55	2.94	25.64	2.97	26.71	3.00	27.53	3.03
	19	16.31	2.09	19.25	2.45	22.20	2.75	23.55	2.99	25.64	3.02	26.46	3.05	27.27	3.08
	21	16.31	2.13	19.25	2.49	22.20	2.80	23.55	3.04	25.64	3.07	26.22	3.10	27.02	3.13
	23	16.31	2.16	19.25	2.53	22.20	2.84	23.55	3.09	25.64	3.12	25.97	3.15	26.77	3.18
	25	16.31	2.23	19.25	2.62	22.20	2.94	23.55	3.19	25.40	3.22	25.73	3.25	26.52	3.29
	27	16.31	2.27	19.25	2.66	22.20	2.98	23.55	3.24	25.16	3.27	25.48	3.30	26.26	3.34
	29	16.31	2.79	19.25	3.27	22.20	3.67	23.55	3.99	24.92	4.03	25.24	4.07	26.01	4.11
	31	16.31	3.14	19.25	3.68	22.20	4.13	23.55	4.49	24.68	4.53	24.99	4.58	25.76	4.62
	33	16.31	3.31	19.25	3.88	22.20	4.36	23.55	4.74	24.20	4.78	24.75	4.83	25.51	4.88
	35	16.31	3.49	19.25	4.09	22.20	4.59	23.55	4.98	23.96	5.03	24.50	5.08	25.25	5.13
	37	16.31	3.64	19.25	4.27	22.20	4.79	23.08	5.20	23.48	5.23	23.77	5.26	24.24	5.28
	39	16.31	3.77	19.25	4.41	22.20	4.95	22.91	5.38	23.24	5.41	23.52	5.48	23.74	5.52
	41	16.31	3.92	19.25	4.59	22.20	5.15	22.84	5.60	23.00	5.64	23.28	5.69	23.49	5.74
	43	16.31	4.12	19.25	4.82	22.20	5.41	22.61	5.88	22.76	5.94	23.03	5.99	23.36	6.02
	46	16.31	4.30	19.25	5.03	22.20	5.65	22.16	6.14	22.31	6.17	22.34	6.19	22.43	6.19
	48	16.31	4.45	19.25	5.21	22.20	5.84	22.00	6.35	22.08	6.39	22.11	6.46	21.96	6.47
	50	16.31	4.63	19.25	5.42	22.20	6.08	21.93	6.61	21.85	6.65	21.88	6.71	21.72	6.73
20%	10	10.87	1.11	12.83	1.30	14.80	1.46	15.70	1.59	17.09	1.60	18.30	1.62	19.02	1.63
	12	10.87	1.13	12.83	1.32	14.80	1.49	15.70	1.62	17.09	1.63	18.30	1.65	18.86	1.66
	14	10.87	1.15	12.83	1.35	14.80	1.51	15.70	1.64	17.09	1.66	18.13	1.68	18.69	1.69
	16	10.87	1.17	12.83	1.37	14.80	1.54	15.70	1.67	17.09	1.69	17.97	1.71	18.52	1.72
	18	10.87	1.19	12.83	1.40	14.80	1.57	15.70	1.70	17.09	1.72	17.81	1.74	18.35	1.75
	19	10.87	1.21	12.83	1.42	14.80	1.59	15.70	1.73	17.09	1.75	17.64	1.77	18.18	1.78
	21	10.87	1.23	12.83	1.44	14.80	1.62	15.70	1.76	17.09	1.78	17.48	1.79	18.01	1.81
	23	10.87	1.25	12.83	1.47	14.80	1.65	15.70	1.79	17.09	1.81	17.32	1.82	17.85	1.84
	25	10.87	1.29	12.83	1.51	14.80	1.70	15.70	1.85	16.93	1.86	17.15	1.88	17.68	1.90
	27	10.87	1.31	12.83	1.54	14.80	1.72	15.70	1.87	16.77	1.89	16.99	1.91	17.51	1.93
	29	10.87	1.62	12.83	1.89	14.80	2.12	15.70	2.31	16.61	2.33	16.83	2.35	17.34	2.38
	31	10.87	1.82	12.83	2.13	14.80	2.39	15.70	2.60	16.45	2.62	16.66	2.65	17.17	2.67
	33	10.87	1.92	12.83	2.25	14.80	2.52	15.70	2.74	16.13	2.77	16.50	2.79	17.00	2.82
	35	10.87	2.02	12.83	2.36	14.80	2.65	15.70	2.88	15.97	2.91	16.34	2.94	16.84	2.97
	37	10.87	2.11	12.83	2.47	14.80	2.77	15.39	3.01	15.66	3.03	15.85	3.04	16.16	3.06
	39	10.87	2.18	12.83	2.55	14.80	2.87	15.28	3.11	15.50	3.13	15.68	3.17	15.83	3.19
	41	10.87	2.27	12.83	2.66	14.80	2.98	15.23	3.24	15.34	3.26	15.52	3.29	15.66	3.32
	43	10.87	2.38	12.83	2.79	14.80	3.13	15.07	3.40	15.18	3.44	15.36	3.47	15.57	3.48
	46	10.87	2.49	12.83	2.91	14.80	3.27	14.77	3.55	14.87	3.57	14.90	3.58	14.95	3.58
	48	10.87	2.57	12.83	3.01	14.80	3.38	14.67	3.68	14.72	3.70	14.74	3.74	14.64	3.74
	50	10.87	2.68	12.83	3.14	14.80	3.52	14.62	3.83	14.57	3.85	14.59	3.88	14.48	3.89

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR300ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	64.54	10.81	76.19	12.66	87.84	14.21	93.20	15.44	101.47	15.60	108.61	15.75	112.93	15.90
	12	64.54	11.01	76.19	12.89	87.84	14.46	93.20	15.72	101.47	15.88	108.61	16.04	111.93	16.19
	14	64.54	11.20	76.19	13.12	87.84	14.72	93.20	16.00	101.47	16.16	107.64	16.32	110.93	16.48
	16	64.54	11.40	76.19	13.35	87.84	14.98	93.20	16.28	101.47	16.45	106.67	16.61	109.93	16.77
	18	64.54	11.60	76.19	13.58	87.84	15.24	93.20	16.56	101.47	16.73	105.70	16.90	108.93	17.06
	19	64.54	11.79	76.19	13.81	85.20	15.50	93.20	16.85	101.47	17.01	104.73	17.18	107.93	17.35
	21	64.54	11.99	76.19	14.04	87.84	15.76	93.20	17.13	101.47	17.30	103.76	17.47	106.93	17.64
	23	64.54	12.18	76.19	14.27	87.84	16.01	93.20	17.41	101.47	17.58	102.79	17.75	105.94	17.93
	25	64.54	12.58	76.19	14.73	87.84	16.53	93.20	17.97	100.52	18.15	101.82	18.33	104.94	18.51
	27	64.54	12.77	76.19	14.96	87.84	16.79	93.20	18.25	99.57	18.43	100.85	18.61	103.94	18.80
	29	64.54	15.72	76.19	18.42	87.84	20.66	93.20	22.46	98.62	22.68	99.88	22.91	102.94	23.13
	31	64.54	17.69	76.19	20.72	87.84	23.25	93.20	25.27	97.67	25.52	98.91	25.77	101.94	26.03
	33	64.54	18.67	76.19	21.87	87.84	24.54	93.20	26.67	95.78	26.94	97.94	27.20	100.94	27.47
	35	64.54	19.65	76.19	23.02	87.84	25.83	93.20	28.08	94.83	28.36	96.97	28.64	99.94	28.92
	37	64.54	20.51	76.19	24.03	87.84	26.96	91.33	29.30	92.93	29.45	94.06	29.60	95.94	29.74
	39	64.54	21.22	76.19	24.86	87.84	27.90	90.68	30.32	91.98	30.48	93.09	30.87	93.94	31.09
	41	64.54	22.09	76.19	25.88	87.84	29.03	90.40	31.56	91.03	31.76	92.12	32.07	92.94	32.33
	43	64.54	23.19	76.19	27.17	87.84	30.48	89.47	33.13	90.09	33.46	91.15	33.73	92.44	33.89
	46	64.54	24.20	76.19	28.35	87.84	31.81	87.68	34.57	88.28	34.75	88.42	34.87	88.75	34.86
	48	64.54	25.05	76.19	29.34	87.84	32.92	87.05	35.78	87.38	35.97	87.51	36.37	86.90	36.43
	50	64.54	26.07	76.19	30.53	87.84	34.26	86.78	37.24	86.48	37.48	86.59	37.78	85.97	37.89
120%	10	63.49	10.70	74.95	12.54	86.41	14.07	91.68	15.29	99.81	15.44	106.84	15.60	111.09	15.75
	12	63.49	10.90	74.95	12.77	86.41	14.32	91.68	15.57	99.81	15.73	106.84	15.88	110.11	16.04
	14	63.49	11.09	74.95	12.99	86.41	14.58	91.68	15.85	99.81	16.01	105.88	16.16	109.13	16.32
	16	63.49	11.29	74.95	13.22	86.41	14.84	91.68	16.13	99.81	16.29	104.93	16.45	108.14	16.61
	18	63.49	11.48	74.95	13.45	86.41	15.09	91.68	16.40	99.81	16.57	103.98	16.73	107.16	16.90
	19	63.49	11.68	74.95	13.68	86.41	15.35	91.68	16.68	99.81	16.85	103.02	17.02	106.18	17.18
	21	63.49	11.87	74.95	13.91	86.41	15.60	91.68	16.96	99.81	17.13	102.07	17.30	105.19	17.47
	23	63.49	12.07	74.95	14.13	86.41	15.86	91.68	17.24	99.81	17.41	101.12	17.58	104.21	17.75
	25	63.49	12.46	74.95	14.59	86.41	16.37	91.68	17.79	98.88	17.97	100.16	18.15	103.23	18.33
	27	63.49	12.65	74.95	14.82	86.41	16.63	91.68	18.07	97.95	18.25	99.21	18.43	102.24	18.61
	29	63.49	15.57	74.95	18.24	86.41	20.46	91.68	22.24	97.01	22.46	98.25	22.69	101.26	22.91
	31	63.49	17.52	74.95	20.52	86.41	23.02	91.68	25.02	96.08	25.27	97.30	25.52	100.28	25.77
	33	63.49	18.49	74.95	21.66	86.41	24.30	91.68	26.41	94.22	26.68	96.35	26.94	99.29	27.20
	35	63.49	19.46	74.95	22.80	86.41	25.58	91.68	27.80	93.28	28.08	95.39	28.36	98.31	28.64
	37	63.49	20.31	74.95	23.79	86.41	26.69	89.85	29.01	91.42	29.16	92.53	29.31	94.38	29.46
	39	63.49	21.02	74.95	24.62	86.41	27.62	89.20	30.03	90.48	30.19	91.58	30.57	92.41	30.78
	41	63.49	21.88	74.95	25.63	86.41	28.75	88.93	31.25	89.55	31.45	90.62	31.76	91.43	32.02
	43	63.49	22.97	74.95	26.90	86.41	30.18	88.01	32.81	88.62	33.14	89.67	33.41	90.94	33.56
	46	63.49	23.97	74.95	28.07	86.41	31.50	86.25	34.24	86.85	34.41	86.98	34.53	87.30	34.52
	48	63.49	24.80	74.95	29.05	86.41	32.60	85.64	35.43	85.96	35.62	86.08	36.01	85.48	36.08
	50	63.49	25.81	74.95	30.24	86.41	33.93	85.37	36.88	85.07	37.11	85.18	37.42	84.57	37.52
110%	10	62.44	10.45	73.71	12.24	84.98	13.73	90.16	14.93	98.16	15.08	105.07	15.23	109.25	15.38
	12	62.44	10.64	73.71	12.46	84.98	13.98	90.16	15.20	98.16	15.35	105.07	15.50	108.29	15.65
	14	62.44	10.83	73.71	12.69	84.98	14.23	90.16	15.47	98.16	15.62	104.13	15.78	107.32	15.93
	16	62.44	11.02	73.71	12.91	84.98	14.48	90.16	15.74	98.16	15.90	103.19	16.06	106.35	16.21
	18	62.44	11.21	73.71	13.13	84.98	14.73	90.16	16.01	98.16	16.17	102.26	16.33	105.39	16.49
	19	62.44	11.40	73.71	13.35	84.98	14.98	90.16	16.28	98.16	16.45	101.32	16.61	104.42	16.77
	21	62.44	11.59	73.71	13.58	84.98	15.23	90.16	16.56	98.16	16.72	100.38	16.89	103.45	17.05
	23	62.44	11.78	73.71	13.80	84.98	15.48	90.16	16.83	98.16	17.00	99.44	17.16	102.48	17.33
	25	62.44	12.16	73.71	14.24	84.98	15.98	90.16	17.37	97.24	17.54	98.50	17.72	101.52	17.89
	27	62.44	12.35	73.71	14.47	84.98	16.23	90.16	17.64	96.33	17.82	97.56	17.99	100.55	18.17
	29	62.44	15.20	73.71	17.80	84.98	19.98	90.16	21.71	95.41	21.93	96.63	22.15	99.58	22.36
	31	62.44	17.10	73.71	20.03	84.98	22.47	90.16	24.43	94.49	24.67	95.69	24.92	98.62	25.16
	33	62.44	18.05	73.71	21.14	84.98	23.72	90.16	25.78	92.66	26.04	94.75	26.30	97.65	26.56
	35	62.44	19.00	73.71	22.26	84.98	24.97	90.16	27.14	91.74	27.41	93.81	27.68	96.68	27.95
	37	62.44	19.83	73.71	23.23	84.98	26.06	88.36	28.32	89.90	28.47	91.00	28.61	92.82	28.75
	39	62.44	20.52	73.71	24.04	84.98	26.97	87.73	29.31	88.99	29.47	90.06	29.84	90.88	30.05
	41	62.44	21.35	73.71	25.02	84.98	28.07	87.46	30.51	88.07	30.70	89.12	31.01	89.92	31.25
	43	62.44	22.42	73.71	26.26	84.98	29.46	86.55	32.03	87.15	32.35	88.18	32.61	89.43	32.76
	46	62.44	23.40	73.71	27.41	84.98	30.75	84.82	33.42	85.41	33.59	85.54	33.71	85.86	33.70
	48	62.44	24.21	73.71	28.36	84.98	31.82	84.22	34.59	84.54	34.77	84.66	35.15	84.07	35.22
	50	62.44	25.20	73.71	29.52	84.98	33.12	83.96	36.00	83.67	36.23	83.77	36.52	83.17	36.63

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	58.86	9.89	69.49	11.59	80.11	13.00	85.00	14.14	92.54	14.28	99.06	14.42	103.00	14.56
	12	58.86	10.07	69.49	11.80	80.11	13.24	85.00	14.39	92.54	14.54	99.06	14.68	102.09	14.82
	14	58.86	10.25	69.49	12.01	80.11	13.48	85.00	14.65	92.54	14.80	98.17	14.94	101.18	15.09
	16	58.86	10.43	69.49	12.22	80.11	13.71	85.00	14.91	92.54	15.06	97.29	15.20	100.26	15.35
	18	58.86	10.61	69.49	12.43	80.11	13.95	85.00	15.16	92.54	15.31	96.40	15.47	99.35	15.62
	19	58.86	10.79	69.49	12.64	80.11	14.19	85.00	15.42	92.54	15.57	95.52	15.73	98.44	15.88
	21	58.86	10.97	69.49	12.86	80.11	14.42	85.00	15.68	92.54	15.83	94.63	15.99	97.53	16.15
	23	58.86	11.15	69.49	13.07	80.11	14.66	85.00	15.93	92.54	16.09	93.75	16.25	96.62	16.41
	25	58.86	11.51	69.49	13.49	80.11	15.13	85.00	16.45	91.68	16.61	92.86	16.78	95.71	16.94
	27	58.86	11.69	69.49	13.70	80.11	15.37	85.00	16.71	90.81	16.87	91.98	17.04	94.80	17.21
	29	58.86	14.39	69.49	16.86	80.11	18.92	85.00	20.56	89.95	20.77	91.10	20.97	93.88	21.18
	31	58.86	16.19	69.49	18.97	80.11	21.28	85.00	23.13	89.08	23.36	90.21	23.59	92.97	23.82
	33	58.86	17.09	69.49	20.02	80.11	22.46	85.00	24.42	87.35	24.66	89.33	24.90	92.06	25.15
	35	58.86	17.99	69.49	21.07	80.11	23.64	85.00	25.70	86.49	25.96	88.44	26.21	91.15	26.47
	37	58.86	18.77	69.49	21.99	80.11	24.67	83.30	26.82	84.76	26.96	85.79	27.09	87.50	27.23
	39	58.86	19.43	69.49	22.76	80.11	25.54	82.71	27.76	83.89	27.90	84.90	28.26	85.68	28.46
	41	58.86	20.22	69.49	23.69	80.11	26.58	82.45	28.89	83.03	29.07	84.02	29.36	84.77	29.59
	43	58.86	21.23	69.49	24.87	80.11	27.90	81.60	30.33	82.16	30.63	83.14	30.88	84.31	31.02
	46	58.86	22.15	69.49	25.95	80.11	29.12	79.97	31.65	80.52	31.81	80.64	31.92	80.94	31.91
	48	58.86	22.93	69.49	26.86	80.11	30.13	79.40	32.75	79.70	32.93	79.81	33.29	79.25	33.35
	50	58.86	23.86	69.49	27.95	80.11	31.36	79.15	34.09	78.88	34.30	78.98	34.59	78.41	34.68
90%	10	52.98	8.31	62.54	9.73	72.10	10.92	76.50	11.86	83.29	11.98	89.15	12.10	92.70	12.22
	12	52.98	8.46	62.54	9.91	72.10	11.11	76.50	12.08	83.29	12.20	89.15	12.32	91.88	12.44
	14	52.98	8.61	62.54	10.08	72.10	11.31	76.50	12.30	83.29	12.42	88.35	12.54	91.06	12.67
	16	52.98	8.76	62.54	10.26	72.10	11.51	76.50	12.51	83.29	12.64	87.56	12.76	90.24	12.89
	18	52.98	8.91	62.54	10.44	72.10	11.71	76.50	12.73	83.29	12.86	86.76	12.98	89.42	13.11
	19	52.98	9.06	62.54	10.61	72.10	11.91	76.50	12.94	83.29	13.07	85.97	13.20	88.60	13.33
	21	52.98	9.21	62.54	10.79	72.10	12.11	76.50	13.16	83.29	13.29	85.17	13.42	87.78	13.55
	23	52.98	9.36	62.54	10.97	72.10	12.30	76.50	13.37	83.29	13.51	84.37	13.64	86.96	13.78
	25	52.98	9.66	62.54	11.32	72.10	12.70	76.50	13.81	82.51	13.94	83.58	14.08	86.14	14.22
	27	52.98	9.82	62.54	11.50	72.10	12.90	76.50	14.02	81.73	14.16	82.78	14.30	85.32	14.44
	29	52.98	12.08	62.54	14.15	72.10	15.88	76.50	17.26	80.95	17.43	81.99	17.60	84.50	17.78
	31	52.98	13.59	62.54	15.92	72.10	17.86	76.50	19.42	80.17	19.61	81.19	19.80	83.68	20.00
	33	52.98	14.35	62.54	16.80	72.10	18.85	76.50	20.49	78.62	20.70	80.39	20.90	82.86	21.11
	35	52.98	15.10	62.54	17.69	72.10	19.85	76.50	21.57	77.84	21.79	79.60	22.00	82.03	22.22
	37	52.98	15.76	62.54	18.46	72.10	20.71	74.97	22.51	76.28	22.63	77.21	22.74	78.75	22.86
	39	52.98	16.31	62.54	19.10	72.10	21.43	74.43	23.30	75.50	23.42	76.41	23.72	77.11	23.89
	41	52.98	16.97	62.54	19.88	72.10	22.31	74.21	24.25	74.73	24.40	75.62	24.64	76.29	24.84
	43	52.98	17.82	62.54	20.87	72.10	23.42	73.44	25.46	73.95	25.71	74.82	25.92	75.88	26.04
	46	52.98	18.60	62.54	21.78	72.10	24.44	71.97	26.57	72.47	26.70	72.58	26.79	72.85	26.79
	48	52.98	19.24	62.54	22.54	72.10	25.29	71.46	27.49	71.73	27.64	71.83	27.94	71.33	27.99
	50	52.98	20.03	62.54	23.46	72.10	26.32	71.24	28.61	70.99	28.80	71.08	29.03	70.57	29.11
80%	10	47.09	6.81	55.59	7.97	64.09	8.95	68.00	9.72	74.03	9.82	79.24	9.92	82.40	10.01
	12	47.09	6.93	55.59	8.12	64.09	9.11	68.00	9.90	74.03	10.00	79.24	10.10	81.67	10.20
	14	47.09	7.05	55.59	8.26	64.09	9.27	68.00	10.08	74.03	10.18	78.54	10.28	80.94	10.38
	16	47.09	7.18	55.59	8.41	64.09	9.43	68.00	10.25	74.03	10.36	77.83	10.46	80.21	10.56
	18	47.09	7.30	55.59	8.55	64.09	9.60	68.00	10.43	74.03	10.53	77.12	10.64	79.48	10.74
	19	47.09	7.42	55.59	8.70	64.09	9.76	68.00	10.61	74.03	10.71	76.41	10.82	78.75	10.93
	21	47.09	7.55	55.59	8.84	64.09	9.92	68.00	10.78	74.03	10.89	75.71	11.00	78.02	11.11
	23	47.09	7.67	55.59	8.99	64.09	10.08	68.00	10.96	74.03	11.07	75.00	11.18	77.29	11.29
	25	47.09	7.92	55.59	9.28	64.09	10.41	68.00	11.31	73.34	11.43	74.29	11.54	76.57	11.65
	27	47.09	8.04	55.59	9.42	64.09	10.57	68.00	11.49	72.65	11.61	73.58	11.72	75.84	11.84
	29	47.09	9.90	55.59	11.60	64.09	13.01	68.00	14.14	71.96	14.28	72.88	14.43	75.11	14.57
	31	47.09	11.14	55.59	13.05	64.09	14.64	68.00	15.91	71.27	16.07	72.17	16.23	74.38	16.39
	33	47.09	11.76	55.59	13.77	64.09	15.45	68.00	16.79	69.88	16.96	71.46	17.13	73.65	17.30
	35	47.09	12.37	55.59	14.50	64.09	16.26	68.00	17.68	69.19	17.86	70.75	18.03	72.92	18.21
	37	47.09	12.91	55.59	15.13	64.09	16.97	66.64	18.45	67.81	18.54	68.63	18.64	70.00	18.73
	39	47.09	13.36	55.59	15.66	64.09	17.57	66.16	19.09	67.11	19.19	67.92	19.44	68.54	19.57
	41	47.09	13.91	55.59	16.29	64.09	18.28	65.96	19.87	66.42	20.00	67.22	20.20	67.82	20.36
	43	47.09	14.60	55.59	17.11	64.09	19.19	65.28	20.86	65.73	21.07	66.51	21.24	67.45	21.34
	46	47.09	15.24	55.59	17.85	64.09	20.03	63.97	21.77	64.42	21.88	64.51	21.96	64.75	21.95
	48	47.09	15.77	55.59	18.47	64.09	20.73	63.52	22.53	63.76	22.65	63.85	22.90	63.40	22.94
	50	47.09	16.41	55.59	19.23	64.09	21.57	63.32	23.45	63.10	23.60	63.18	23.79	62.73	23.86

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



## Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	41.20	5.41	48.64	6.34	56.08	7.11	59.50	7.73	64.78	7.81	69.34	7.89	72.10	7.96
	12	41.20	5.51	48.64	6.46	56.08	7.24	59.50	7.87	64.78	7.95	69.34	8.03	71.46	8.11
	14	41.20	5.61	48.64	6.57	56.08	7.37	59.50	8.01	64.78	8.09	68.72	8.17	70.82	8.25
	16	41.20	5.71	48.64	6.69	56.08	7.50	59.50	8.15	64.78	8.23	68.10	8.32	70.19	8.40
	18	41.20	5.81	48.64	6.80	56.08	7.63	59.50	8.29	64.78	8.38	67.48	8.46	69.55	8.54
	19	41.20	5.90	48.64	6.92	56.08	7.76	59.50	8.43	64.78	8.52	66.86	8.60	68.91	8.69
	21	41.20	6.00	48.64	7.03	56.08	7.89	59.50	8.57	64.78	8.66	66.24	8.75	68.27	8.83
	23	41.20	6.10	48.64	7.15	56.08	8.02	59.50	8.72	64.78	8.80	65.62	8.89	67.63	8.98
	25	41.20	6.30	48.64	7.38	56.08	8.28	59.50	9.00	64.17	9.09	65.01	9.18	67.00	9.27
	27	41.20	6.40	48.64	7.49	56.08	8.41	59.50	9.14	63.57	9.23	64.39	9.32	66.36	9.41
	29	41.20	7.87	48.64	9.22	56.08	10.35	59.50	11.25	62.96	11.36	63.77	11.47	65.72	11.58
	31	41.20	8.86	48.64	10.37	56.08	11.64	59.50	12.65	62.36	12.78	63.15	12.90	65.08	13.03
	33	41.20	9.35	48.64	10.95	56.08	12.29	59.50	13.35	61.15	13.49	62.53	13.62	64.44	13.75
	35	41.20	9.84	48.64	11.53	56.08	12.93	59.50	14.06	60.54	14.20	61.91	14.34	63.80	14.48
	37	41.20	10.27	48.64	12.03	56.08	13.50	58.31	14.67	59.33	14.75	60.05	14.82	61.25	14.89
	39	41.20	10.63	48.64	12.45	56.08	13.97	57.89	15.18	58.73	15.26	59.43	15.46	59.98	15.56
	41	41.20	11.06	48.64	12.96	56.08	14.54	57.72	15.80	58.12	15.90	58.81	16.06	59.34	16.19
	43	41.20	11.61	48.64	13.60	56.08	15.26	57.12	16.59	57.51	16.75	58.20	16.89	59.02	16.97
	46	41.20	12.12	48.64	14.19	56.08	15.93	55.98	17.31	56.36	17.40	56.45	17.46	56.66	17.45
	48	41.20	12.54	48.64	14.69	56.08	16.48	55.58	17.91	55.79	18.01	55.87	18.21	55.48	18.24
	50	41.20	13.05	48.64	15.29	56.08	17.15	55.41	18.64	55.21	18.76	55.29	18.92	54.89	18.97
60%	10	35.32	4.11	41.69	4.81	48.07	5.40	51.00	5.87	55.52	5.93	59.43	5.99	61.80	6.04
	12	35.32	4.18	41.69	4.90	48.07	5.50	51.00	5.97	55.52	6.03	59.43	6.09	61.25	6.15
	14	35.32	4.26	41.69	4.99	48.07	5.60	51.00	6.08	55.52	6.14	58.90	6.20	60.71	6.26
	16	35.32	4.33	41.69	5.07	48.07	5.69	51.00	6.19	55.52	6.25	58.37	6.31	60.16	6.37
	18	35.32	4.41	41.69	5.16	48.07	5.79	51.00	6.29	55.52	6.36	57.84	6.42	59.61	6.48
	19	35.32	4.48	41.69	5.25	48.07	5.89	51.00	6.40	55.52	6.47	57.31	6.53	59.07	6.59
	21	35.32	4.56	41.69	5.34	48.07	5.99	51.00	6.51	55.52	6.57	56.78	6.64	58.52	6.70
	23	35.32	4.63	41.69	5.42	48.07	6.09	51.00	6.62	55.52	6.68	56.25	6.75	57.97	6.81
	25	35.32	4.78	41.69	5.60	48.07	6.28	51.00	6.83	55.01	6.90	55.72	6.96	57.42	7.03
	27	35.32	4.85	41.69	5.69	48.07	6.38	51.00	6.94	54.49	7.00	55.19	7.07	56.88	7.14
	29	35.32	5.97	41.69	7.00	48.07	7.85	51.00	8.54	53.97	8.62	54.66	8.71	56.33	8.79
	31	35.32	6.72	41.69	7.87	48.07	8.83	51.00	9.60	53.45	9.70	54.13	9.79	55.78	9.89
	33	35.32	7.10	41.69	8.31	48.07	9.33	51.00	10.14	52.41	10.24	53.60	10.34	55.24	10.44
	35	35.32	7.47	41.69	8.75	48.07	9.82	51.00	10.67	51.89	10.78	53.07	10.88	54.69	10.99
	37	35.32	7.79	41.69	9.13	48.07	10.24	49.98	11.13	50.85	11.19	51.47	11.25	52.50	11.30
	39	35.32	8.07	41.69	9.45	48.07	10.60	49.62	11.52	50.34	11.58	50.94	11.73	51.41	11.81
	41	35.32	8.39	41.69	9.83	48.07	11.03	49.47	11.99	49.82	12.07	50.41	12.19	50.86	12.29
	43	35.32	8.81	41.69	10.32	48.07	11.58	48.96	12.59	49.30	12.72	49.88	12.82	50.59	12.88
	46	35.32	9.20	41.69	10.77	48.07	12.09	47.98	13.14	48.31	13.21	48.39	13.25	48.56	13.25
	48	35.32	9.52	41.69	11.15	48.07	12.51	47.64	13.60	47.82	13.67	47.89	13.82	47.55	13.85
	50	35.32	9.91	41.69	11.60	48.07	13.02	47.49	14.15	47.33	14.24	47.39	14.36	47.05	14.40
50%	10	29.43	2.89	34.74	3.39	40.06	3.80	42.50	4.13	46.27	4.17	49.53	4.22	51.50	4.26
	12	29.43	2.95	34.74	3.45	40.06	3.87	42.50	4.21	46.27	4.25	49.53	4.29	51.04	4.33
	14	29.43	3.00	34.74	3.51	40.06	3.94	42.50	4.28	46.27	4.33	49.09	4.37	50.59	4.41
	16	29.43	3.05	34.74	3.57	40.06	4.01	42.50	4.36	46.27	4.40	48.64	4.45	50.13	4.49
	18	29.43	3.10	34.74	3.64	40.06	4.08	42.50	4.43	46.27	4.48	48.20	4.52	49.68	4.57
	19	29.43	3.16	34.74	3.70	40.06	4.15	42.50	4.51	46.27	4.55	47.76	4.60	49.22	4.64
	21	29.43	3.21	34.74	3.76	40.06	4.22	42.50	4.58	46.27	4.63	47.32	4.68	48.77	4.72
	23	29.43	3.26	34.74	3.82	40.06	4.29	42.50	4.66	46.27	4.71	46.87	4.75	48.31	4.80
	25	29.43	3.37	34.74	3.94	40.06	4.43	42.50	4.81	45.84	4.86	46.43	4.91	47.85	4.95
	27	29.43	3.42	34.74	4.01	40.06	4.49	42.50	4.88	45.41	4.93	45.99	4.98	47.40	5.03
	29	29.43	4.21	34.74	4.93	40.06	5.53	42.50	6.01	44.97	6.07	45.55	6.13	46.94	6.19
	31	29.43	4.73	34.74	5.55	40.06	6.22	42.50	6.76	44.54	6.83	45.11	6.90	46.49	6.97
	33	29.43	5.00	34.74	5.85	40.06	6.57	42.50	7.14	43.68	7.21	44.66	7.28	46.03	7.35
	35	29.43	5.26	34.74	6.16	40.06	6.91	42.50	7.52	43.24	7.59	44.22	7.67	45.57	7.74
	37	29.43	5.49	34.74	6.43	40.06	7.22	41.65	7.84	42.38	7.88	42.89	7.92	43.75	7.96
	39	29.43	5.68	34.74	6.66	40.06	7.47	41.35	8.12	41.95	8.16	42.45	8.26	42.84	8.32
	41	29.43	5.91	34.74	6.93	40.06	7.77	41.23	8.45	41.51	8.50	42.01	8.59	42.38	8.65
	43	29.43	6.21	34.74	7.27	40.06	8.16	40.80	8.87	41.08	8.96	41.57	9.03	42.16	9.07
	46	29.43	6.48	34.74	7.59	40.06	8.51	39.98	9.25	40.26	9.30	40.32	9.33	40.47	9.33
	48	29.43	6.70	34.74	7.85	40.06	8.81	39.70	9.58	39.85	9.63	39.91	9.73	39.63	9.75
	50	29.43	6.98	34.74	8.17	40.06	9.17	39.58	9.97	39.44	10.03	39.49	10.11	39.21	10.14

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	23.55	2.29	27.80	2.69	32.05	3.01	34.00	3.28	37.02	3.31	39.62	3.34	41.20	3.38
	12	23.55	2.34	27.80	2.74	32.05	3.07	34.00	3.34	37.02	3.37	39.62	3.40	40.84	3.44
	14	23.55	2.38	27.80	2.78	32.05	3.12	34.00	3.40	37.02	3.43	39.27	3.46	40.47	3.50
	16	23.55	2.42	27.80	2.83	32.05	3.18	34.00	3.46	37.02	3.49	38.91	3.52	40.11	3.56
	18	23.55	2.46	27.80	2.88	32.05	3.23	34.00	3.52	37.02	3.55	38.56	3.59	39.74	3.62
	19	23.55	2.50	27.80	2.93	32.05	3.29	34.00	3.57	37.02	3.61	38.21	3.65	39.38	3.68
	21	23.55	2.54	27.80	2.98	32.05	3.34	34.00	3.63	37.02	3.67	37.85	3.71	39.01	3.74
	23	23.55	2.59	27.80	3.03	32.05	3.40	34.00	3.69	37.02	3.73	37.50	3.77	38.65	3.80
	25	23.55	2.67	27.80	3.13	32.05	3.51	34.00	3.81	36.67	3.85	37.15	3.89	38.28	3.93
	27	23.55	2.71	27.80	3.18	32.05	3.56	34.00	3.87	36.32	3.91	36.79	3.95	37.92	3.99
	29	23.55	3.34	27.80	3.91	32.05	4.38	34.00	4.77	35.98	4.81	36.44	4.86	37.55	4.91
	31	23.55	3.75	27.80	4.40	32.05	4.93	34.00	5.36	35.63	5.42	36.08	5.47	37.19	5.52
	33	23.55	3.96	27.80	4.64	32.05	5.21	34.00	5.66	34.94	5.72	35.73	5.77	36.82	5.83
	35	23.55	4.17	27.80	4.89	32.05	5.48	34.00	5.96	34.60	6.02	35.38	6.08	36.46	6.14
	37	23.55	4.35	27.80	5.10	32.05	5.72	33.32	6.22	33.90	6.25	34.32	6.28	35.00	6.31
	39	23.55	4.50	27.80	5.28	32.05	5.92	33.08	6.43	33.56	6.47	33.96	6.55	34.27	6.60
	41	23.55	4.69	27.80	5.49	32.05	6.16	32.98	6.70	33.21	6.74	33.61	6.81	33.91	6.86
	43	23.55	4.92	27.80	5.76	32.05	6.47	32.64	7.03	32.87	7.10	33.25	7.16	33.73	7.19
	46	23.55	5.14	27.80	6.02	32.05	6.75	31.99	7.34	32.21	7.37	32.26	7.40	32.38	7.40
	48	23.55	5.31	27.80	6.23	32.05	6.99	31.76	7.59	31.88	7.63	31.92	7.72	31.70	7.73
	50	23.55	5.53	27.80	6.48	32.05	7.27	31.66	7.90	31.55	7.95	31.59	8.02	31.36	8.04
30%	10	17.66	2.10	20.85	2.46	24.03	2.76	25.50	3.00	27.76	3.03	29.72	3.06	30.90	3.09
	12	17.66	2.14	20.85	2.50	24.03	2.81	25.50	3.05	27.76	3.08	29.72	3.11	30.63	3.14
	14	17.66	2.18	20.85	2.55	24.03	2.86	25.50	3.11	27.76	3.14	29.45	3.17	30.35	3.20
	16	17.66	2.21	20.85	2.59	24.03	2.91	25.50	3.16	27.76	3.19	29.19	3.23	30.08	3.26
	18	17.66	2.25	20.85	2.64	24.03	2.96	25.50	3.22	27.76	3.25	28.92	3.28	29.81	3.31
	19	17.66	2.29	20.85	2.68	24.03	3.01	25.50	3.27	27.76	3.30	28.66	3.34	29.53	3.37
	21	17.66	2.33	20.85	2.73	24.03	3.06	25.50	3.33	27.76	3.36	28.39	3.39	29.26	3.43
	23	17.66	2.37	20.85	2.77	24.03	3.11	25.50	3.38	27.76	3.41	28.12	3.45	28.99	3.48
	25	17.66	2.44	20.85	2.86	24.03	3.21	25.50	3.49	27.50	3.52	27.86	3.56	28.71	3.59
	27	17.66	2.48	20.85	2.91	24.03	3.26	25.50	3.54	27.24	3.58	27.59	3.61	28.44	3.65
	29	17.66	3.05	20.85	3.58	24.03	4.01	25.50	4.36	26.98	4.40	27.33	4.45	28.17	4.49
	31	17.66	3.43	20.85	4.02	24.03	4.51	25.50	4.91	26.72	4.96	27.06	5.00	27.89	5.05
	33	17.66	3.63	20.85	4.25	24.03	4.76	25.50	5.18	26.21	5.23	26.80	5.28	27.62	5.33
	35	17.66	3.82	20.85	4.47	24.03	5.02	25.50	5.45	25.95	5.51	26.53	5.56	27.34	5.62
	37	17.66	3.98	20.85	4.67	24.03	5.23	24.99	5.69	25.43	5.72	25.74	5.75	26.25	5.78
	39	17.66	4.12	20.85	4.83	24.03	5.42	24.81	5.89	25.17	5.92	25.47	5.99	25.70	6.04
	41	17.66	4.29	20.85	5.02	24.03	5.64	24.74	6.13	24.91	6.17	25.21	6.23	25.43	6.28
	43	17.66	4.50	20.85	5.27	24.03	5.92	24.48	6.43	24.65	6.50	24.94	6.55	25.29	6.58
	46	17.66	4.70	20.85	5.50	24.03	6.18	23.99	6.71	24.16	6.75	24.19	6.77	24.28	6.77
	48	17.66	4.86	20.85	5.70	24.03	6.39	23.82	6.95	23.91	6.98	23.94	7.06	23.78	7.07
	50	17.66	5.06	20.85	5.93	24.03	6.65	23.75	7.23	23.66	7.28	23.69	7.34	23.52	7.36
20%	10	11.77	1.21	13.90	1.42	16.02	1.60	17.00	1.73	18.51	1.75	19.81	1.77	20.60	1.79
	12	11.77	1.24	13.90	1.45	16.02	1.62	17.00	1.77	18.51	1.78	19.81	1.80	20.42	1.82
	14	11.77	1.26	13.90	1.47	16.02	1.65	17.00	1.80	18.51	1.82	19.63	1.83	20.24	1.85
	16	11.77	1.28	13.90	1.50	16.02	1.68	17.00	1.83	18.51	1.85	19.46	1.87	20.05	1.88
	18	11.77	1.30	13.90	1.53	16.02	1.71	17.00	1.86	18.51	1.88	19.28	1.90	19.87	1.92
	19	11.77	1.32	13.90	1.55	16.02	1.74	17.00	1.89	18.51	1.91	19.10	1.93	19.69	1.95
	21	11.77	1.35	13.90	1.58	16.02	1.77	17.00	1.92	18.51	1.94	18.93	1.96	19.51	1.98
	23	11.77	1.37	13.90	1.60	16.02	1.80	17.00	1.96	18.51	1.98	18.75	1.99	19.32	2.01
	25	11.77	1.41	13.90	1.66	16.02	1.86	17.00	2.02	18.34	2.04	18.57	2.06	19.14	2.08
	27	11.77	1.44	13.90	1.68	16.02	1.89	17.00	2.05	18.16	2.07	18.40	2.09	18.96	2.11
	29	11.77	1.77	13.90	2.07	16.02	2.32	17.00	2.52	17.99	2.55	18.22	2.57	18.78	2.60
	31	11.77	1.99	13.90	2.33	16.02	2.61	17.00	2.84	17.82	2.87	18.04	2.90	18.59	2.92
	33	11.77	2.10	13.90	2.46	16.02	2.76	17.00	3.00	17.47	3.03	17.87	3.06	18.41	3.09
	35	11.77	2.21	13.90	2.59	16.02	2.90	17.00	3.15	17.30	3.19	17.69	3.22	18.23	3.25
	37	11.77	2.30	13.90	2.70	16.02	3.03	16.66	3.29	16.95	3.31	17.16	3.33	17.50	3.34
	39	11.77	2.38	13.90	2.79	16.02	3.13	16.54	3.41	16.78	3.42	16.98	3.47	17.14	3.49
	41	11.77	2.48	13.90	2.91	16.02	3.26	16.49	3.55	16.61	3.57	16.80	3.60	16.95	3.63
	43	11.77	2.61	13.90	3.05	16.02	3.42	16.32	3.72	16.43	3.76	16.63	3.79	16.86	3.81
	46	11.77	2.72	13.90	3.18	16.02	3.57	15.99	3.88	16.10	3.90	16.13	3.92	16.19	3.92
	48	11.77	2.81	13.90	3.30	16.02	3.70	15.88	4.02	15.94	4.04	15.96	4.09	15.85	4.09
	50	11.77	2.93	13.90	3.43	16.02	3.85	15.83	4.18	15.78	4.21	15.80	4.24	15.68	4.26

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR320ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	68.33	11.78	80.67	13.80	93.00	15.48	98.68	16.82	107.43	16.99	115.00	17.16	119.57	17.33
	12	68.33	11.99	80.67	14.05	93.00	15.76	98.68	17.13	107.43	17.30	115.00	17.47	118.52	17.64
	14	68.33	12.20	80.67	14.30	93.00	16.04	98.68	17.44	107.43	17.61	113.97	17.78	117.46	17.96
	16	68.33	12.42	80.67	14.55	93.00	16.32	98.68	17.74	107.43	17.92	112.94	18.10	116.40	18.27
	18	68.33	12.63	80.67	14.80	93.00	16.60	98.68	18.05	107.43	18.23	111.92	18.41	115.34	18.59
	19	68.33	12.85	80.67	15.05	90.21	16.88	98.68	18.35	107.43	18.54	110.89	18.72	114.28	18.90
	21	68.33	13.06	80.67	15.30	93.00	17.17	98.68	18.66	107.43	18.85	109.86	19.03	113.23	19.22
	23	68.33	13.28	80.67	15.55	93.00	17.45	98.68	18.96	107.43	19.15	108.84	19.34	112.17	19.53
	25	68.33	13.70	80.67	16.05	93.00	18.01	98.68	19.58	106.43	19.77	107.81	19.97	111.11	20.16
	27	68.33	13.92	80.67	16.30	93.00	18.29	98.68	19.88	105.43	20.08	106.78	20.28	110.05	20.48
	29	68.33	17.13	80.67	20.07	93.00	22.51	98.68	24.47	104.42	24.72	105.76	24.96	108.99	25.20
	31	68.33	19.27	80.67	22.57	93.00	25.33	98.68	27.53	103.42	27.80	104.73	28.08	107.93	28.35
	33	68.33	20.34	80.67	23.83	93.00	26.73	98.68	29.06	101.41	29.35	103.70	29.64	106.88	29.93
	35	68.33	21.41	80.67	25.08	93.00	28.14	98.68	30.59	100.41	30.89	102.68	31.20	105.82	31.51
	37	68.33	22.35	80.67	26.18	93.00	29.37	96.71	31.92	98.40	32.09	99.59	32.25	101.59	32.41
	39	68.33	23.12	80.67	27.09	93.00	30.39	96.01	33.03	97.39	33.21	98.57	33.63	99.47	33.87
	41	68.33	24.07	80.67	28.19	93.00	31.63	95.72	34.38	96.39	34.60	97.54	34.94	98.41	35.22
	43	68.33	25.27	80.67	29.60	93.00	33.21	94.73	36.09	95.39	36.45	96.51	36.75	97.88	36.92
	46	68.33	26.37	80.67	30.89	93.00	34.65	92.84	37.67	93.48	37.86	93.62	37.99	93.97	37.98
	48	68.33	27.29	80.67	31.96	93.00	35.86	92.17	38.98	92.52	39.19	92.65	39.62	92.01	39.69
	50	68.33	28.40	80.67	33.27	93.00	37.32	91.89	40.57	91.57	40.83	91.69	41.16	91.03	41.28
120%	10	67.22	11.66	79.36	13.66	91.49	15.33	97.07	16.66	105.68	16.83	113.12	16.99	117.63	17.16
	12	67.22	11.87	79.36	13.91	91.49	15.61	97.07	16.96	105.68	17.13	113.12	17.30	116.59	17.47
	14	67.22	12.09	79.36	14.16	91.49	15.88	97.07	17.27	105.68	17.44	112.11	17.61	115.54	17.78
	16	67.22	12.30	79.36	14.41	91.49	16.16	97.07	17.57	105.68	17.74	111.10	17.92	114.50	18.10
	18	67.22	12.51	79.36	14.65	91.49	16.44	97.07	17.87	105.68	18.05	110.09	18.23	113.46	18.41
	19	67.22	12.72	79.36	14.90	91.49	16.72	97.07	18.17	105.68	18.36	109.08	18.54	112.42	18.72
	21	67.22	12.93	79.36	15.15	91.49	17.00	97.07	18.48	105.68	18.66	108.07	18.85	111.38	19.03
	23	67.22	13.15	79.36	15.40	91.49	17.28	97.07	18.78	105.68	18.97	107.06	19.16	110.34	19.34
	25	67.22	13.57	79.36	15.90	91.49	17.84	97.07	19.39	104.70	19.58	106.05	19.77	109.30	19.97
	27	67.22	13.78	79.36	16.15	91.49	18.11	97.07	19.69	103.71	19.89	105.04	20.08	108.26	20.28
	29	67.22	16.96	79.36	19.87	91.49	22.29	97.07	24.23	102.72	24.48	104.03	24.72	107.22	24.96
	31	67.22	19.08	79.36	22.35	91.49	25.08	97.07	27.26	101.73	27.53	103.02	27.81	106.18	28.08
	33	67.22	20.14	79.36	23.60	91.49	26.47	97.07	28.78	99.76	29.06	102.01	29.35	105.14	29.64
	35	67.22	21.20	79.36	24.84	91.49	27.87	97.07	30.29	98.77	30.59	101.00	30.90	104.09	31.20
	37	67.22	22.13	79.36	25.92	91.49	29.08	95.13	31.61	96.79	31.77	97.97	31.93	99.93	32.09
	39	67.22	22.90	79.36	26.83	91.49	30.10	94.45	32.71	95.81	32.89	96.96	33.31	97.85	33.54
	41	67.22	23.83	79.36	27.92	91.49	31.32	94.16	34.05	94.82	34.27	95.95	34.60	96.81	34.88
	43	67.22	25.02	79.36	29.31	91.49	32.88	93.19	35.74	93.83	36.10	94.94	36.40	96.29	36.57
	46	67.22	26.11	79.36	30.59	91.49	34.32	91.32	37.30	91.96	37.49	92.09	37.62	92.44	37.61
	48	67.22	27.02	79.36	31.65	91.49	35.51	90.67	38.60	91.02	38.81	91.14	39.24	90.51	39.31
	50	67.22	28.12	79.36	32.94	91.49	36.96	90.39	40.18	90.08	40.43	90.20	40.76	89.55	40.88
110%	10	66.11	11.38	78.04	13.34	89.98	14.96	95.46	16.26	103.93	16.43	111.25	16.59	115.68	16.75
	12	66.11	11.59	78.04	13.58	89.98	15.23	95.46	16.56	103.93	16.72	111.25	16.89	114.66	17.06
	14	66.11	11.80	78.04	13.82	89.98	15.51	95.46	16.85	103.93	17.02	110.26	17.19	113.63	17.36
	16	66.11	12.01	78.04	14.06	89.98	15.78	95.46	17.15	103.93	17.32	109.26	17.49	112.61	17.66
	18	66.11	12.21	78.04	14.31	89.98	16.05	95.46	17.45	103.93	17.62	108.27	17.80	111.58	17.97
	19	66.11	12.42	78.04	14.55	89.98	16.32	95.46	17.74	103.93	17.92	107.28	18.10	110.56	18.27
	21	66.11	12.63	78.04	14.79	89.98	16.59	95.46	18.04	103.93	18.22	106.28	18.40	109.54	18.58
	23	66.11	12.83	78.04	15.03	89.98	16.87	95.46	18.33	103.93	18.52	105.29	18.70	108.51	18.88
	25	66.11	13.25	78.04	15.52	89.98	17.41	95.46	18.92	102.96	19.11	104.30	19.30	107.49	19.49
	27	66.11	13.45	78.04	15.76	89.98	17.68	95.46	19.22	101.99	19.41	103.30	19.60	106.47	19.80
	29	66.11	16.56	78.04	19.40	89.98	21.76	95.46	23.66	101.02	23.89	102.31	24.13	105.44	24.37
	31	66.11	18.63	78.04	21.82	89.98	24.48	95.46	26.61	100.05	26.88	101.32	27.14	104.42	27.41
	33	66.11	19.66	78.04	23.03	89.98	25.84	95.46	28.09	98.11	28.37	100.32	28.65	103.39	28.93
	35	66.11	20.70	78.04	24.25	89.98	27.20	95.46	29.57	97.13	29.87	99.33	30.16	102.37	30.46
	37	66.11	21.60	78.04	25.30	89.98	28.39	93.56	30.86	95.19	31.02	96.35	31.17	98.28	31.33
	39	66.11	22.35	78.04	26.19	89.98	29.38	92.89	31.94	94.22	32.11	95.36	32.51	96.23	32.74
	41	66.11	23.27	78.04	27.25	89.98	30.58	92.60	33.24	93.25	33.45	94.36	33.78	95.21	34.05
	43	66.11	24.42	78.04	28.61	89.98	32.10	91.65	34.89	92.28	35.24	93.37	35.53	94.69	35.70
	46	66.11	25.49	78.04	29.86	89.98	33.50	89.81	36.41	90.43	36.60	90.57	36.72	90.91	36.72
	48	66.11	26.38	78.04	30.90	89.98	34.67	89.17	37.68	89.51	37.88	89.64	38.30	89.01	38.37
	50	66.11	27.45	78.04	32.16	89.98	36.08	88.90	39.22	88.59	39.47	88.70	39.79	88.06	39.91

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	62.33	10.78	73.58	12.63	84.83	14.17	90.00	15.40	97.99	15.55	104.88	15.71	109.06	15.86
	12	62.33	10.98	73.58	12.86	84.83	14.43	90.00	15.68	97.99	15.84	104.88	15.99	108.09	16.15
	14	62.33	11.17	73.58	13.09	84.83	14.68	90.00	15.96	97.99	16.12	103.95	16.28	107.13	16.44
	16	62.33	11.37	73.58	13.32	84.83	14.94	90.00	16.24	97.99	16.40	103.01	16.56	106.16	16.73
	18	62.33	11.56	73.58	13.55	84.83	15.20	90.00	16.52	97.99	16.69	102.07	16.85	105.20	17.02
	19	62.33	11.76	73.58	13.78	84.83	15.46	90.00	16.80	97.99	16.97	101.14	17.14	104.23	17.30
	21	62.33	11.96	73.58	14.01	84.83	15.71	90.00	17.08	97.99	17.25	100.20	17.42	103.27	17.59
	23	62.33	12.15	73.58	14.24	84.83	15.97	90.00	17.36	97.99	17.53	99.26	17.71	102.30	17.88
	25	62.33	12.54	73.58	14.69	84.83	16.49	90.00	17.92	97.07	18.10	98.33	18.28	101.34	18.46
	27	62.33	12.74	73.58	14.92	84.83	16.74	90.00	18.20	96.15	18.38	97.39	18.56	100.37	18.75
	29	62.33	15.68	73.58	18.37	84.83	20.61	90.00	22.40	95.24	22.62	96.45	22.85	99.41	23.07
	31	62.33	17.64	73.58	20.66	84.83	23.18	90.00	25.20	94.32	25.45	95.52	25.70	98.44	25.96
	33	62.33	18.62	73.58	21.81	84.83	24.47	90.00	26.60	92.49	26.87	94.58	27.13	97.48	27.40
	35	62.33	19.60	73.58	22.96	84.83	25.76	90.00	28.00	91.58	28.28	93.65	28.56	96.51	28.84
	37	62.33	20.45	73.58	23.96	84.83	26.88	88.20	29.22	89.74	29.37	90.84	29.52	92.65	29.66
	39	62.33	21.17	73.58	24.80	84.83	27.82	87.57	30.24	88.83	30.40	89.90	30.79	90.72	31.00
	41	62.33	22.03	73.58	25.81	84.83	28.95	87.30	31.47	87.91	31.67	88.96	31.99	89.76	32.24
	43	62.33	23.13	73.58	27.09	84.83	30.40	86.40	33.04	87.00	33.37	88.03	33.64	89.27	33.80
	46	62.33	24.14	73.58	28.27	84.83	31.72	84.67	34.48	85.26	34.66	85.39	34.77	85.70	34.77
90%	10	56.09	9.05	66.22	10.60	76.34	11.89	81.00	12.93	88.19	13.06	94.39	13.19	98.15	13.31
	12	56.09	9.21	66.22	10.79	76.34	12.11	81.00	13.16	88.19	13.29	94.39	13.42	97.28	13.56
	14	56.09	9.38	66.22	10.99	76.34	12.32	81.00	13.40	88.19	13.53	93.55	13.66	96.41	13.80
	16	56.09	9.54	66.22	11.18	76.34	12.54	81.00	13.63	88.19	13.77	92.71	13.90	95.55	14.04
	18	56.09	9.71	66.22	11.37	76.34	12.76	81.00	13.87	88.19	14.01	91.87	14.14	94.68	14.28
	19	56.09	9.87	66.22	11.56	76.34	12.97	81.00	14.10	88.19	14.24	91.02	14.38	93.81	14.52
	21	56.09	10.04	66.22	11.76	76.34	13.19	81.00	14.34	88.19	14.48	90.18	14.62	92.94	14.77
	23	56.09	10.20	66.22	11.95	76.34	13.41	81.00	14.57	88.19	14.72	89.34	14.86	92.07	15.01
	25	56.09	10.53	66.22	12.33	76.34	13.84	81.00	15.04	87.36	15.19	88.49	15.34	91.20	15.49
	27	56.09	10.69	66.22	12.53	76.34	14.05	81.00	15.28	86.54	15.43	87.65	15.58	90.33	15.74
	29	56.09	13.16	66.22	15.42	76.34	17.30	81.00	18.80	85.71	18.99	86.81	19.18	89.47	19.37
	31	56.09	14.81	66.22	17.35	76.34	19.46	81.00	21.15	84.89	21.36	85.97	21.58	88.60	21.79
	33	56.09	15.63	66.22	18.31	76.34	20.54	81.00	22.33	83.24	22.55	85.12	22.77	87.73	23.00
	35	56.09	16.45	66.22	19.27	76.34	21.62	81.00	23.50	82.42	23.74	84.28	23.97	86.86	24.21
	37	56.09	17.17	66.22	20.11	76.34	22.57	79.38	24.53	80.77	24.65	81.75	24.78	83.39	24.90
	39	56.09	17.77	66.22	20.81	76.34	23.35	78.81	25.38	79.94	25.52	80.91	25.84	81.65	26.02
	41	56.09	18.49	66.22	21.66	76.34	24.30	78.57	26.42	79.12	26.59	80.07	26.85	80.78	27.06
	43	56.09	19.41	66.22	22.74	76.34	25.51	77.76	27.73	78.30	28.01	79.22	28.24	80.35	28.37
	46	56.09	20.26	66.22	23.73	76.34	26.63	76.20	28.94	76.73	29.09	76.85	29.19	77.13	29.18
	48	56.09	20.97	66.22	24.56	76.34	27.56	75.66	29.95	75.95	30.11	76.05	30.44	75.53	30.50
	50	56.09	21.82	66.22	25.56	76.34	28.68	75.43	31.17	75.16	31.37	75.26	31.63	74.72	31.72
80%	10	49.86	7.42	58.86	8.69	67.86	9.75	72.00	10.59	78.39	10.70	83.91	10.81	87.25	10.91
	12	49.86	7.55	58.86	8.84	67.86	9.92	72.00	10.79	78.39	10.89	83.91	11.00	86.47	11.11
	14	49.86	7.68	58.86	9.00	67.86	10.10	72.00	10.98	78.39	11.09	83.16	11.20	85.70	11.31
	16	49.86	7.82	58.86	9.16	67.86	10.28	72.00	11.17	78.39	11.28	82.41	11.39	84.93	11.51
	18	49.86	7.95	58.86	9.32	67.86	10.45	72.00	11.36	78.39	11.48	81.66	11.59	84.16	11.70
	19	49.86	8.09	58.86	9.48	67.86	10.63	72.00	11.56	78.39	11.67	80.91	11.79	83.39	11.90
	21	49.86	8.22	58.86	9.63	67.86	10.81	72.00	11.75	78.39	11.87	80.16	11.98	82.61	12.10
	23	49.86	8.36	58.86	9.79	67.86	10.99	72.00	11.94	78.39	12.06	79.41	12.18	81.84	12.30
	25	49.86	8.63	58.86	10.11	67.86	11.34	72.00	12.33	77.66	12.45	78.66	12.57	81.07	12.70
	27	49.86	8.76	58.86	10.27	67.86	11.52	72.00	12.52	76.92	12.64	77.91	12.77	80.30	12.89
	29	49.86	10.79	58.86	12.63	67.86	14.18	72.00	15.41	76.19	15.56	77.16	15.72	79.53	15.87
	31	49.86	12.13	58.86	14.21	67.86	15.95	72.00	17.33	75.46	17.51	76.41	17.68	78.75	17.85
	33	49.86	12.81	58.86	15.00	67.86	16.83	72.00	18.30	73.99	18.48	75.67	18.66	77.98	18.85
	35	49.86	13.48	58.86	15.79	67.86	17.72	72.00	19.26	73.26	19.45	74.92	19.65	77.21	19.84
	37	49.86	14.07	58.86	16.48	67.86	18.49	70.56	20.10	71.79	20.20	72.67	20.31	74.12	20.41
	39	49.86	14.56	58.86	17.06	67.86	19.14	70.06	20.80	71.06	20.91	71.92	21.18	72.58	21.33
	41	49.86	15.15	58.86	17.75	67.86	19.92	69.84	21.65	70.33	21.79	71.17	22.00	71.80	22.18
	43	49.86	15.91	58.86	18.64	67.86	20.91	69.12	22.73	69.60	22.95	70.42	23.14	71.42	23.25
	46	49.86	16.60	58.86	19.45	67.86	21.82	67.74	23.72	68.21	23.84	68.31	23.92	68.56	23.92
	48	49.86	17.18	58.86	20.13	67.86	22.58	67.25	24.55	67.51	24.68	67.60	24.95	67.13	24.99
	50	49.86	17.88	58.86	20.95	67.86	23.50	67.05	25.55	66.81	25.71	66.90	25.92	66.42	25.99

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	43.63	5.90	51.50	6.91	59.38	7.75	63.00	8.42	68.59	8.51	73.42	8.59	76.34	8.68
	12	43.63	6.00	51.50	7.03	59.38	7.89	63.00	8.58	68.59	8.66	73.42	8.75	75.67	8.83
	14	43.63	6.11	51.50	7.16	59.38	8.03	63.00	8.73	68.59	8.82	72.76	8.90	74.99	8.99
	16	43.63	6.22	51.50	7.28	59.38	8.17	63.00	8.88	68.59	8.97	72.11	9.06	74.31	9.15
	18	43.63	6.33	51.50	7.41	59.38	8.31	63.00	9.04	68.59	9.13	71.45	9.22	73.64	9.31
	19	43.63	6.43	51.50	7.54	59.38	8.45	63.00	9.19	68.59	9.28	70.80	9.37	72.96	9.46
	21	43.63	6.54	51.50	7.66	59.38	8.59	63.00	9.34	68.59	9.44	70.14	9.53	72.29	9.62
	23	43.63	6.65	51.50	7.79	59.38	8.74	63.00	9.50	68.59	9.59	69.48	9.69	71.61	9.78
	25	43.63	6.86	51.50	8.04	59.38	9.02	63.00	9.80	67.95	9.90	68.83	10.00	70.94	10.10
	27	43.63	6.97	51.50	8.16	59.38	9.16	63.00	9.95	67.31	10.05	68.17	10.15	70.26	10.25
	29	43.63	8.58	51.50	10.05	59.38	11.27	63.00	12.25	66.67	12.37	67.52	12.50	69.58	12.62
	31	43.63	9.65	51.50	11.30	59.38	12.68	63.00	13.78	66.03	13.92	66.86	14.06	68.91	14.20
	33	43.63	10.18	51.50	11.93	59.38	13.39	63.00	14.55	64.74	14.69	66.21	14.84	68.23	14.99
	35	43.63	10.72	51.50	12.56	59.38	14.09	63.00	15.32	64.10	15.47	65.55	15.62	67.56	15.77
	37	43.63	11.19	51.50	13.11	59.38	14.70	61.74	15.98	62.82	16.07	63.58	16.15	64.86	16.23
	39	43.63	11.58	51.50	13.56	59.38	15.22	61.30	16.54	62.18	16.63	62.93	16.84	63.50	16.96
	41	43.63	12.05	51.50	14.12	59.38	15.84	61.11	17.21	61.54	17.32	62.27	17.50	62.83	17.64
	43	43.63	12.65	51.50	14.82	59.38	16.63	60.48	18.07	60.90	18.25	61.62	18.40	62.49	18.49
	46	43.63	13.20	51.50	15.47	59.38	17.35	59.27	18.86	59.68	18.96	59.77	19.02	59.99	19.02
	48	43.63	13.66	51.50	16.00	59.38	17.96	58.85	19.52	59.07	19.62	59.15	19.84	58.74	19.87
	50	43.63	14.22	51.50	16.66	59.38	18.69	58.67	20.31	58.46	20.44	58.54	20.61	58.12	20.67
60%	10	37.40	4.48	44.15	5.24	50.90	5.88	54.00	6.39	58.79	6.46	62.93	6.52	65.43	6.59
	12	37.40	4.56	44.15	5.34	50.90	5.99	54.00	6.51	58.79	6.57	62.93	6.64	64.86	6.70
	14	37.40	4.64	44.15	5.43	50.90	6.10	54.00	6.63	58.79	6.69	62.37	6.76	64.28	6.82
	16	37.40	4.72	44.15	5.53	50.90	6.20	54.00	6.74	58.79	6.81	61.81	6.88	63.70	6.94
	18	37.40	4.80	44.15	5.62	50.90	6.31	54.00	6.86	58.79	6.93	61.24	7.00	63.12	7.06
	19	37.40	4.88	44.15	5.72	50.90	6.42	54.00	6.97	58.79	7.04	60.68	7.11	62.54	7.18
	21	37.40	4.96	44.15	5.81	50.90	6.52	54.00	7.09	58.79	7.16	60.12	7.23	61.96	7.30
	23	37.40	5.04	44.15	5.91	50.90	6.63	54.00	7.21	58.79	7.28	59.56	7.35	61.38	7.42
	25	37.40	5.21	44.15	6.10	50.90	6.84	54.00	7.44	58.24	7.51	59.00	7.59	60.80	7.66
	27	37.40	5.29	44.15	6.20	50.90	6.95	54.00	7.56	57.69	7.63	58.43	7.71	60.22	7.78
	29	37.40	6.51	44.15	7.63	50.90	8.56	54.00	9.30	57.14	9.39	57.87	9.49	59.64	9.58
	31	37.40	7.32	44.15	8.58	50.90	9.62	54.00	10.46	56.59	10.57	57.31	10.67	59.07	10.78
	33	37.40	7.73	44.15	9.06	50.90	10.16	54.00	11.04	55.49	11.15	56.75	11.26	58.49	11.37
	35	37.40	8.14	44.15	9.53	50.90	10.69	54.00	11.62	54.95	11.74	56.19	11.86	57.91	11.97
	37	37.40	8.49	44.15	9.95	50.90	11.16	52.92	12.13	53.85	12.19	54.50	12.26	55.59	12.32
	39	37.40	8.79	44.15	10.29	50.90	11.55	52.54	12.55	53.30	12.62	53.94	12.78	54.43	12.87
	41	37.40	9.15	44.15	10.71	50.90	12.02	52.38	13.07	52.75	13.15	53.38	13.28	53.85	13.39
	43	37.40	9.60	44.15	11.25	50.90	12.62	51.84	13.72	52.20	13.85	52.82	13.97	53.56	14.03
	46	37.40	10.02	44.15	11.74	50.90	13.17	50.80	14.31	51.15	14.39	51.23	14.44	51.42	14.43
	48	37.40	10.37	44.15	12.15	50.90	13.63	50.44	14.81	50.63	14.89	50.70	15.06	50.35	15.08
	50	37.40	10.79	44.15	12.64	50.90	14.18	50.28	15.42	50.11	15.52	50.17	15.64	49.81	15.69
50%	10	31.16	3.15	36.79	3.69	42.41	4.14	45.00	4.50	48.99	4.55	52.44	4.59	54.53	4.64
	12	31.16	3.21	36.79	3.76	42.41	4.22	45.00	4.59	48.99	4.63	52.44	4.68	54.05	4.72
	14	31.16	3.27	36.79	3.83	42.41	4.29	45.00	4.67	48.99	4.71	51.97	4.76	53.56	4.81
	16	31.16	3.32	36.79	3.89	42.41	4.37	45.00	4.75	48.99	4.80	51.50	4.84	53.08	4.89
	18	31.16	3.38	36.79	3.96	42.41	4.44	45.00	4.83	48.99	4.88	51.04	4.93	52.60	4.98
	19	31.16	3.44	36.79	4.03	42.41	4.52	45.00	4.91	48.99	4.96	50.57	5.01	52.12	5.06
	21	31.16	3.50	36.79	4.10	42.41	4.60	45.00	4.99	48.99	5.04	50.10	5.09	51.63	5.14
	23	31.16	3.55	36.79	4.16	42.41	4.67	45.00	5.08	48.99	5.13	49.63	5.18	51.15	5.23
	25	31.16	3.67	36.79	4.30	42.41	4.82	45.00	5.24	48.53	5.29	49.16	5.35	50.67	5.40
	27	31.16	3.73	36.79	4.36	42.41	4.90	45.00	5.32	48.08	5.38	48.70	5.43	50.19	5.48
	29	31.16	4.59	36.79	5.37	42.41	6.03	45.00	6.55	47.62	6.62	48.23	6.68	49.70	6.75
	31	31.16	5.16	36.79	6.04	42.41	6.78	45.00	7.37	47.16	7.44	47.76	7.52	49.22	7.59
	33	31.16	5.44	36.79	6.38	42.41	7.16	45.00	7.78	46.25	7.86	47.29	7.93	48.74	8.01
	35	31.16	5.73	36.79	6.71	42.41	7.53	45.00	8.19	45.79	8.27	46.82	8.35	48.26	8.43
	37	31.16	5.98	36.79	7.01	42.41	7.86	44.10	8.54	44.87	8.59	45.42	8.63	46.33	8.67
	39	31.16	6.19	36.79	7.25	42.41	8.14	43.79	8.84	44.41	8.89	44.95	9.00	45.36	9.07
	41	31.16	6.44	36.79	7.55	42.41	8.47	43.65	9.20	43.96	9.26	44.48	9.35	44.88	9.43
	43	31.16	6.76	36.79	7.92	42.41	8.89	43.20	9.66	43.50	9.76	44.01	9.84	44.64	9.88
	46	31.16	7.06	36.79	8.27	42.41	9.28	42.34	10.08	42.63	10.13	42.69	10.17	42.85	10.17
	48	31.16	7.30	36.79	8.56	42.41	9.60	42.03	10.43	42.19	10.49	42.25	10.61	41.96	10.63
	50	31.16	7.60	36.79	8.90	42.41	9.99	41.90	10.86	41.76	10.93	41.81	11.02	41.51	11.05

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	24.93	2.50	29.43	2.93	33.93	3.28	36.00	3.57	39.19	3.61	41.95	3.64	43.62	3.68
	12	24.93	2.54	29.43	2.98	33.93	3.34	36.00	3.63	39.19	3.67	41.95	3.71	43.24	3.74
	14	24.93	2.59	29.43	3.03	33.93	3.40	36.00	3.70	39.19	3.74	41.58	3.77	42.85	3.81
	16	24.93	2.64	29.43	3.09	33.93	3.46	36.00	3.76	39.19	3.80	41.20	3.84	42.47	3.88
	18	24.93	2.68	29.43	3.14	33.93	3.52	36.00	3.83	39.19	3.87	40.83	3.91	42.08	3.94
	19	24.93	2.73	29.43	3.19	33.93	3.58	36.00	3.89	39.19	3.93	40.45	3.97	41.69	4.01
	21	24.93	2.77	29.43	3.25	33.93	3.64	36.00	3.96	39.19	4.00	40.08	4.04	41.31	4.08
	23	24.93	2.82	29.43	3.30	33.93	3.70	36.00	4.02	39.19	4.06	39.71	4.10	40.92	4.15
	25	24.93	2.91	29.43	3.41	33.93	3.82	36.00	4.15	38.83	4.20	39.33	4.24	40.53	4.28
	27	24.93	2.95	29.43	3.46	33.93	3.88	36.00	4.22	38.46	4.26	38.96	4.30	40.15	4.35
	29	24.93	3.63	29.43	4.26	33.93	4.78	36.00	5.19	38.10	5.24	38.58	5.30	39.76	5.35
	31	24.93	4.09	29.43	4.79	33.93	5.37	36.00	5.84	37.73	5.90	38.21	5.96	39.38	6.02
	33	24.93	4.32	29.43	5.06	33.93	5.67	36.00	6.17	37.00	6.23	37.83	6.29	38.99	6.35
	35	24.93	4.54	29.43	5.32	33.93	5.97	36.00	6.49	36.63	6.56	37.46	6.62	38.60	6.69
	37	24.93	4.74	29.43	5.55	33.93	6.23	35.28	6.77	35.90	6.81	36.33	6.84	37.06	6.88
	39	24.93	4.91	29.43	5.75	33.93	6.45	35.03	7.01	35.53	7.05	35.96	7.14	36.29	7.19
	41	24.93	5.11	29.43	5.98	33.93	6.71	34.92	7.30	35.16	7.34	35.59	7.42	35.90	7.47
	43	24.93	5.36	29.43	6.28	33.93	7.05	34.56	7.66	34.80	7.74	35.21	7.80	35.71	7.84
	46	24.93	5.60	29.43	6.55	33.93	7.35	33.87	7.99	34.10	8.03	34.15	8.06	34.28	8.06
	48	24.93	5.79	29.43	6.78	33.93	7.61	33.63	8.27	33.75	8.32	33.80	8.41	33.57	8.42
	50	24.93	6.03	29.43	7.06	33.93	7.92	33.52	8.61	33.41	8.66	33.45	8.74	33.21	8.76
30%	10	18.70	2.29	22.07	2.68	25.45	3.01	27.00	3.27	29.40	3.30	31.46	3.33	32.72	3.36
	12	18.70	2.33	22.07	2.73	25.45	3.06	27.00	3.33	29.40	3.36	31.46	3.39	32.43	3.43
	14	18.70	2.37	22.07	2.78	25.45	3.11	27.00	3.39	29.40	3.42	31.18	3.45	32.14	3.49
	16	18.70	2.41	22.07	2.82	25.45	3.17	27.00	3.44	29.40	3.48	30.90	3.51	31.85	3.55
	18	18.70	2.45	22.07	2.87	25.45	3.22	27.00	3.50	29.40	3.54	30.62	3.57	31.56	3.61
	19	18.70	2.49	22.07	2.92	25.45	3.28	27.00	3.56	29.40	3.60	30.34	3.63	31.27	3.67
	21	18.70	2.54	22.07	2.97	25.45	3.33	27.00	3.62	29.40	3.66	30.06	3.70	30.98	3.73
	23	18.70	2.58	22.07	3.02	25.45	3.39	27.00	3.68	29.40	3.72	29.78	3.76	30.69	3.79
	25	18.70	2.66	22.07	3.12	25.45	3.50	27.00	3.80	29.12	3.84	29.50	3.88	30.40	3.92
	27	18.70	2.70	22.07	3.17	25.45	3.55	27.00	3.86	28.85	3.90	29.22	3.94	30.11	3.98
	29	18.70	3.33	22.07	3.90	25.45	4.37	27.00	4.75	28.57	4.80	28.94	4.85	29.82	4.89
	31	18.70	3.74	22.07	4.38	25.45	4.92	27.00	5.35	28.30	5.40	28.66	5.45	29.53	5.51
	33	18.70	3.95	22.07	4.63	25.45	5.19	27.00	5.64	27.75	5.70	28.37	5.76	29.24	5.81
	35	18.70	4.16	22.07	4.87	25.45	5.46	27.00	5.94	27.47	6.00	28.09	6.06	28.95	6.12
	37	18.70	4.34	22.07	5.08	25.45	5.70	26.46	6.20	26.92	6.23	27.25	6.26	27.80	6.29
	39	18.70	4.49	22.07	5.26	25.45	5.90	26.27	6.41	26.65	6.45	26.97	6.53	27.22	6.58
	41	18.70	4.67	22.07	5.47	25.45	6.14	26.19	6.68	26.37	6.72	26.69	6.79	26.93	6.84
	43	18.70	4.91	22.07	5.75	25.45	6.45	25.92	7.01	26.10	7.08	26.41	7.14	26.78	7.17
	46	18.70	5.12	22.07	6.00	25.45	6.73	25.40	7.31	25.58	7.35	25.62	7.38	25.71	7.37
	48	18.70	5.30	22.07	6.21	25.45	6.96	25.22	7.57	25.32	7.61	25.35	7.69	25.18	7.71
	50	18.70	5.51	22.07	6.46	25.45	7.25	25.14	7.88	25.05	7.93	25.09	7.99	24.91	8.02
20%	10	12.47	1.32	14.72	1.55	16.97	1.74	18.00	1.89	19.60	1.91	20.98	1.93	21.81	1.95
	12	12.47	1.35	14.72	1.58	16.97	1.77	18.00	1.92	19.60	1.94	20.98	1.96	21.62	1.98
	14	12.47	1.37	14.72	1.61	16.97	1.80	18.00	1.96	19.60	1.98	20.79	2.00	21.43	2.02
	16	12.47	1.40	14.72	1.63	16.97	1.83	18.00	1.99	19.60	2.01	20.60	2.03	21.23	2.05
	18	12.47	1.42	14.72	1.66	16.97	1.87	18.00	2.03	19.60	2.05	20.41	2.07	21.04	2.09
	19	12.47	1.44	14.72	1.69	16.97	1.90	18.00	2.06	19.60	2.08	20.23	2.10	20.85	2.12
	21	12.47	1.47	14.72	1.72	16.97	1.93	18.00	2.10	19.60	2.12	20.04	2.14	20.65	2.16
	23	12.47	1.49	14.72	1.75	16.97	1.96	18.00	2.13	19.60	2.15	19.85	2.17	20.46	2.19
	25	12.47	1.54	14.72	1.80	16.97	2.02	18.00	2.20	19.41	2.22	19.67	2.24	20.27	2.27
	27	12.47	1.56	14.72	1.83	16.97	2.05	18.00	2.23	19.23	2.26	19.48	2.28	20.07	2.30
	29	12.47	1.92	14.72	2.25	16.97	2.53	18.00	2.75	19.05	2.78	19.29	2.80	19.88	2.83
	31	12.47	2.16	14.72	2.54	16.97	2.85	18.00	3.09	18.86	3.12	19.10	3.15	19.69	3.19
	33	12.47	2.29	14.72	2.68	16.97	3.00	18.00	3.26	18.50	3.30	18.92	3.33	19.50	3.36
	35	12.47	2.41	14.72	2.82	16.97	3.16	18.00	3.44	18.32	3.47	18.73	3.51	19.30	3.54
	37	12.47	2.51	14.72	2.94	16.97	3.30	17.64	3.59	17.95	3.60	18.17	3.62	18.53	3.64
	39	12.47	2.60	14.72	3.04	16.97	3.41	17.51	3.71	17.77	3.73	17.98	3.78	18.14	3.80
	41	12.47	2.70	14.72	3.17	16.97	3.55	17.46	3.86	17.58	3.89	17.79	3.93	17.95	3.96
	43	12.47	2.84	14.72	3.33	16.97	3.73	17.28	4.05	17.40	4.10	17.61	4.13	17.85	4.15
	46	12.47	2.96	14.72	3.47	16.97	3.89	16.93	4.23	17.05	4.25	17.08	4.27	17.14	4.27
	48	12.47	3.07	14.72	3.59	16.97	4.03	16.81	4.38	16.88	4.40	16.90	4.45	16.78	4.46
	50	12.47	3.19	14.72	3.74	16.97	4.19	16.76	4.56	16.70	4.59	16.72	4.62	16.60	4.64

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR340ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	72.13	12.07	85.15	14.14	98.17	15.86	104.16	17.86	113.40	17.42	121.38	17.59	126.22	17.76
	12	72.13	12.29	85.15	14.40	98.17	16.15	104.16	18.19	113.40	17.73	121.38	17.91	125.10	18.08
	14	72.13	12.51	85.15	14.65	98.17	16.44	104.16	18.51	113.40	18.05	120.30	18.23	123.98	18.41
	16	72.13	12.73	85.15	14.91	98.17	16.73	104.16	18.84	113.40	18.37	119.22	18.55	122.87	18.73
	18	72.13	12.95	85.15	15.17	98.17	17.02	104.16	19.16	113.40	18.68	118.13	18.87	121.75	19.05
	19	72.13	13.17	85.15	15.43	95.23	17.31	104.16	19.49	113.40	19.00	117.05	19.19	120.63	19.38
	21	72.13	13.39	85.15	15.68	98.17	17.60	104.16	19.81	113.40	19.32	115.97	19.51	119.52	19.70
	23	72.13	13.61	85.15	15.94	98.17	17.88	104.16	20.14	113.40	19.63	114.88	19.83	118.40	20.02
	25	72.13	14.05	85.15	16.45	98.17	18.46	104.16	20.79	112.34	20.27	113.80	20.47	117.28	20.67
	27	72.13	14.27	85.15	16.71	98.17	18.75	104.16	21.11	111.28	20.58	112.71	20.79	116.16	20.99
	29	72.13	17.56	85.15	20.57	98.17	23.08	104.16	25.98	110.22	25.33	111.63	25.58	115.05	25.83
	31	72.13	19.75	85.15	23.14	98.17	25.96	104.16	29.23	109.16	28.50	110.55	28.78	113.93	29.06
	33	72.13	20.85	85.15	24.42	98.17	27.40	104.16	30.85	107.04	30.08	109.46	30.38	112.81	30.68
	35	72.13	21.95	85.15	25.71	98.17	28.84	104.16	32.48	105.98	31.67	108.38	31.98	111.70	32.29
	37	72.13	22.90	85.15	26.83	98.17	30.10	102.08	33.89	103.86	32.89	105.13	33.05	107.23	33.22
	39	72.13	23.70	85.15	27.77	98.17	31.15	101.35	35.07	102.80	34.04	104.04	34.47	104.99	34.72
	41	72.13	24.67	85.15	28.90	98.17	32.42	101.04	36.50	101.74	35.47	102.96	35.82	103.88	36.10
	43	72.13	25.90	85.15	30.34	98.17	34.04	99.99	38.32	100.68	37.37	101.88	37.67	103.32	37.85
	46	72.13	27.03	85.15	31.66	98.17	35.52	97.99	39.99	98.67	38.81	98.82	38.94	99.19	38.93
	48	72.13	27.97	85.15	32.76	98.17	36.76	97.29	41.39	97.66	40.17	97.80	40.61	97.12	40.69
	50	72.13	29.11	85.15	34.10	98.17	38.26	96.99	43.07	96.66	41.85	96.78	42.19	96.09	42.31
120%	10	70.96	11.95	83.76	14.00	96.57	15.71	102.46	17.69	111.56	17.25	119.41	17.42	124.16	17.59
	12	70.96	12.17	83.76	14.26	96.57	16.00	102.46	18.01	111.56	17.56	119.41	17.73	123.06	17.91
	14	70.96	12.39	83.76	14.51	96.57	16.28	102.46	18.33	111.56	17.87	118.34	18.05	121.96	18.23
	16	70.96	12.61	83.76	14.77	96.57	16.57	102.46	18.65	111.56	18.19	117.28	18.37	120.87	18.55
	18	70.96	12.82	83.76	15.02	96.57	16.85	102.46	18.98	111.56	18.50	116.21	18.68	119.77	18.87
	19	70.96	13.04	83.76	15.28	96.57	17.14	102.46	19.30	111.56	18.82	115.14	19.00	118.67	19.19
	21	70.96	13.26	83.76	15.53	96.57	17.42	102.46	19.62	111.56	19.13	114.08	19.32	117.57	19.51
	23	70.96	13.47	83.76	15.78	96.57	17.71	102.46	19.94	111.56	19.44	113.01	19.63	116.47	19.83
	25	70.96	13.91	83.76	16.29	96.57	18.28	102.46	20.58	110.51	20.07	111.94	20.27	115.37	20.47
	27	70.96	14.13	83.76	16.55	96.57	18.57	102.46	20.90	109.47	20.38	110.88	20.58	114.27	20.79
	29	70.96	17.39	83.76	20.37	96.57	22.85	102.46	25.73	108.43	25.09	109.81	25.34	113.17	25.58
	31	70.96	19.56	83.76	22.91	96.57	25.71	102.46	28.95	107.39	28.22	108.75	28.50	112.08	28.78
	33	70.96	20.65	83.76	24.19	96.57	27.14	102.46	30.55	105.30	29.79	107.68	30.09	110.98	30.38
	35	70.96	21.73	83.76	25.46	96.57	28.56	102.46	32.16	104.26	31.36	106.61	31.67	109.88	31.98
	37	70.96	22.68	83.76	26.57	96.57	29.81	100.42	33.56	102.17	32.57	103.42	32.73	105.48	32.89
	39	70.96	23.47	83.76	27.50	96.57	30.85	99.70	34.73	101.13	33.71	102.35	34.14	103.28	34.38
	41	70.96	24.43	83.76	28.62	96.57	32.11	99.39	36.15	100.09	35.12	101.28	35.47	102.19	35.75
	43	70.96	25.65	83.76	30.04	96.57	33.71	98.37	37.95	99.04	37.00	100.22	37.31	101.64	37.48
	46	70.96	26.76	83.76	31.35	96.57	35.18	96.40	39.61	97.06	38.43	97.21	38.56	97.57	38.55
	48	70.96	27.70	83.76	32.45	96.57	36.40	95.71	40.99	96.07	39.78	96.21	40.22	95.54	40.29
	50	70.96	28.83	83.76	33.77	96.57	37.89	95.41	42.66	95.08	41.44	95.21	41.78	94.52	41.90
110%	10	69.78	11.67	82.38	13.67	94.97	15.34	100.77	17.27	109.71	16.84	117.43	17.00	122.11	17.17
	12	69.78	11.88	82.38	13.92	94.97	15.62	100.77	17.58	109.71	17.14	117.43	17.31	121.03	17.48
	14	69.78	12.09	82.38	14.17	94.97	15.89	100.77	17.90	109.71	17.45	116.38	17.62	119.94	17.79
	16	69.78	12.31	82.38	14.41	94.97	16.17	100.77	18.21	109.71	17.75	115.33	17.93	118.86	18.11
	18	69.78	12.52	82.38	14.66	94.97	16.45	100.77	18.52	109.71	18.06	114.29	18.24	117.78	18.42
	19	69.78	12.73	82.38	14.91	94.97	16.73	100.77	18.84	109.71	18.37	113.24	18.55	116.70	18.73
	21	69.78	12.94	82.38	15.16	94.97	17.01	100.77	19.15	109.71	18.67	112.19	18.86	115.62	19.04
	23	69.78	13.15	82.38	15.41	94.97	17.29	100.77	19.47	109.71	18.98	111.14	19.17	114.54	19.36
	25	69.78	13.58	82.38	15.91	94.97	17.85	100.77	20.09	108.68	19.59	110.09	19.79	113.46	19.98
	27	69.78	13.79	82.38	16.15	94.97	18.12	100.77	20.41	107.66	19.90	109.04	20.09	112.38	20.29
	29	69.78	16.97	82.38	19.88	94.97	22.31	100.77	25.12	106.63	24.49	107.99	24.73	111.30	24.97
	31	69.78	19.09	82.38	22.37	94.97	25.10	100.77	28.26	105.61	27.55	106.95	27.82	110.22	28.10
	33	69.78	20.16	82.38	23.61	94.97	26.49	100.77	29.83	103.56	29.08	105.90	29.37	109.14	29.66
	35	69.78	21.22	82.38	24.85	94.97	27.88	100.77	31.40	102.53	30.61	104.85	30.92	108.06	31.22
	37	69.78	22.14	82.38	25.94	94.97	29.10	98.75	32.76	100.48	31.79	101.70	31.95	103.74	32.11
	39	69.78	22.91	82.38	26.84	94.97	30.11	98.05	33.91	99.46	32.91	100.65	33.33	101.57	33.56
	41	69.78	23.85	82.38	27.94	94.97	31.34	97.74	35.29	98.43	34.29	99.61	34.62	100.49	34.90
	43	69.78	25.04	82.38	29.33	94.97	32.90	96.74	37.05	97.40	36.12	98.56	36.42	99.95	36.59
	46	69.78	26.13	82.38	30.61	94.97	34.34	94.80	38.66	95.46	37.52	95.60	37.64	95.96	37.63
	48	69.78	27.04	82.38	31.67	94.97	35.54	94.13	40.01	94.48	38.83	94.62	39.26	93.96	39.33
	50	69.78	28.14	82.38	32.96	94.97	36.98	93.84	41.64	93.51	40.46	93.63	40.79	92.96	40.91

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	65.79	11.05	77.66	12.94	89.54	14.52	95.00	15.79	103.43	15.94	110.71	16.10	115.12	16.26
	12	65.79	11.25	77.66	13.18	89.54	14.79	95.00	16.07	103.43	16.23	110.71	16.39	114.10	16.55
	14	65.79	11.45	77.66	13.41	89.54	15.05	95.00	16.36	103.43	16.52	109.72	16.69	113.08	16.85
	16	65.79	11.65	77.66	13.65	89.54	15.31	95.00	16.65	103.43	16.81	108.73	16.98	112.06	17.15
	18	65.79	11.85	77.66	13.89	89.54	15.58	95.00	16.93	103.43	17.10	107.74	17.27	111.04	17.44
	19	65.79	12.05	77.66	14.12	89.54	15.84	95.00	17.22	103.43	17.39	106.76	17.56	110.02	17.74
	21	65.79	12.25	77.66	14.36	89.54	16.11	95.00	17.51	103.43	17.68	105.77	17.86	109.00	18.03
	23	65.79	12.46	77.66	14.59	89.54	16.37	95.00	17.79	103.43	17.97	104.78	18.15	107.99	18.33
	25	65.79	12.86	77.66	15.06	89.54	16.90	95.00	18.37	102.46	18.55	103.79	18.74	106.97	18.92
	27	65.79	13.06	77.66	15.30	89.54	17.16	95.00	18.66	101.50	18.84	102.80	19.03	105.95	19.21
	29	65.79	16.07	77.66	18.83	89.54	21.12	95.00	22.96	100.53	23.19	101.81	23.42	104.93	23.65
	31	65.79	18.08	77.66	21.18	89.54	23.76	95.00	25.83	99.56	26.09	100.82	26.35	103.91	26.60
	33	65.79	19.09	77.66	22.36	89.54	25.08	95.00	27.27	97.63	27.54	99.84	27.81	102.89	28.08
	35	65.79	20.09	77.66	23.53	89.54	26.40	95.00	28.70	96.66	28.99	98.85	29.27	101.87	29.56
	37	65.79	20.97	77.66	24.56	89.54	27.56	93.10	29.95	94.73	30.11	95.88	30.26	97.80	30.41
	39	65.79	21.70	77.66	25.42	89.54	28.52	92.44	31.00	93.76	31.16	94.89	31.56	95.76	31.78
	41	65.79	22.58	77.66	26.45	89.54	29.68	92.15	32.26	92.80	32.47	93.91	32.79	94.74	33.05
	43	65.79	23.71	77.66	27.77	89.54	31.16	91.20	33.87	91.83	34.20	92.92	34.48	94.23	34.65
	46	65.79	24.74	77.66	28.98	89.54	32.52	89.38	35.34	89.99	35.52	90.13	35.64	90.46	35.64
	48	65.79	25.60	77.66	29.99	89.54	33.65	88.74	36.58	89.07	36.77	89.20	37.17	88.58	37.24
	50	65.79	26.65	77.66	31.21	89.54	35.02	88.46	38.07	88.16	38.31	88.27	38.62	87.64	38.73
90%	10	59.21	9.27	69.90	10.86	80.58	12.19	85.50	13.72	93.09	13.38	99.64	13.51	103.61	13.65
	12	59.21	9.44	69.90	11.06	80.58	12.41	85.50	13.97	93.09	13.63	99.64	13.76	102.69	13.90
	14	59.21	9.61	69.90	11.26	80.58	12.63	85.50	14.22	93.09	13.87	98.75	14.01	101.77	14.14
	16	59.21	9.78	69.90	11.46	80.58	12.85	85.50	14.47	93.09	14.11	97.86	14.25	100.85	14.39
	18	59.21	9.95	69.90	11.66	80.58	13.08	85.50	14.72	93.09	14.36	96.97	14.50	99.94	14.64
	19	59.21	10.12	69.90	11.85	80.58	13.30	85.50	14.97	93.09	14.60	96.08	14.74	99.02	14.89
	21	59.21	10.29	69.90	12.05	80.58	13.52	85.50	15.22	93.09	14.84	95.19	14.99	98.10	15.14
	23	59.21	10.46	69.90	12.25	80.58	13.74	85.50	15.47	93.09	15.09	94.30	15.23	97.19	15.38
	25	59.21	10.79	69.90	12.64	80.58	14.18	85.50	15.97	92.22	15.57	93.41	15.73	96.27	15.88
	27	59.21	10.96	69.90	12.84	80.58	14.41	85.50	16.22	91.35	15.82	92.52	15.97	95.35	16.13
	29	59.21	13.49	69.90	15.80	80.58	17.73	85.50	19.96	90.48	19.47	91.63	19.66	94.44	19.85
	31	59.21	15.18	69.90	17.78	80.58	19.95	85.50	22.46	89.61	21.90	90.74	22.12	93.52	22.33
	33	59.21	16.02	69.90	18.77	80.58	21.06	85.50	23.71	87.87	23.11	89.85	23.34	92.60	23.57
	35	59.21	16.86	69.90	19.75	80.58	22.16	85.50	24.95	87.00	24.33	88.96	24.57	91.69	24.81
	37	59.21	17.60	69.90	20.62	80.58	23.13	83.79	26.04	85.26	25.27	86.29	25.40	88.02	25.52
	39	59.21	18.21	69.90	21.33	80.58	23.94	83.19	26.95	84.39	26.16	85.40	26.49	86.18	26.67
	41	59.21	18.95	69.90	22.20	80.58	24.91	82.94	28.05	83.52	27.25	84.51	27.52	85.27	27.74
	43	59.21	19.90	69.90	23.31	80.58	26.15	82.08	29.45	82.65	28.71	83.62	28.95	84.81	29.08
	46	59.21	20.77	69.90	24.33	80.58	27.29	80.44	30.73	80.99	29.82	81.12	29.92	81.42	29.91
	48	59.21	21.49	69.90	25.17	80.58	28.24	79.86	31.80	80.17	30.86	80.28	31.20	79.72	31.26
	50	59.21	22.37	69.90	26.20	80.58	29.40	79.62	33.10	79.34	32.16	79.44	32.42	78.87	32.51
80%	10	52.63	7.60	62.13	8.90	71.63	9.99	76.00	11.25	82.74	10.97	88.57	11.08	92.09	11.18
	12	52.63	7.74	62.13	9.07	71.63	10.17	76.00	11.45	82.74	11.17	88.57	11.28	91.28	11.39
	14	52.63	7.88	62.13	9.23	71.63	10.35	76.00	11.66	82.74	11.37	87.78	11.48	90.46	11.59
	16	52.63	8.02	62.13	9.39	71.63	10.53	76.00	11.86	82.74	11.56	86.99	11.68	89.65	11.79
	18	52.63	8.15	62.13	9.55	71.63	10.72	76.00	12.07	82.74	11.76	86.20	11.88	88.83	12.00
	19	52.63	8.29	62.13	9.71	71.63	10.90	76.00	12.27	82.74	11.96	85.40	12.08	88.02	12.20
	21	52.63	8.43	62.13	9.88	71.63	11.08	76.00	12.47	82.74	12.16	84.61	12.28	87.20	12.40
	23	52.63	8.57	62.13	10.04	71.63	11.26	76.00	12.68	82.74	12.36	83.82	12.48	86.39	12.61
	25	52.63	8.84	62.13	10.36	71.63	11.62	76.00	13.09	81.97	12.76	83.03	12.89	85.57	13.01
	27	52.63	8.98	62.13	10.52	71.63	11.81	76.00	13.29	81.20	12.96	82.24	13.09	84.76	13.22
	29	52.63	11.06	62.13	12.95	71.63	14.53	76.00	16.36	80.42	15.95	81.45	16.11	83.94	16.27
	31	52.63	12.44	62.13	14.57	71.63	16.35	76.00	18.40	79.65	17.95	80.66	18.12	83.13	18.30
	33	52.63	13.13	62.13	15.38	71.63	17.25	76.00	19.43	78.10	18.94	79.87	19.13	82.31	19.32
	35	52.63	13.82	62.13	16.19	71.63	18.16	76.00	20.45	77.33	19.94	79.08	20.14	81.50	20.33
	37	52.63	14.42	62.13	16.89	71.63	18.95	74.48	21.34	75.78	20.71	76.71	20.81	78.24	20.92
	39	52.63	14.93	62.13	17.48	71.63	19.62	73.95	22.09	75.01	21.44	75.91	21.71	76.61	21.86
	41	52.63	15.53	62.13	18.20	71.63	20.41	73.72	22.99	74.24	22.33	75.12	22.55	75.79	22.73
	43	52.63	16.31	62.13	19.10	71.63	21.43	72.96	24.13	73.46	23.53	74.33	23.72	75.39	23.83
	46	52.63	17.02	62.13	19.94	71.63	22.37	71.50	25.18	71.99	24.44	72.10	24.52	72.37	24.51
	48	52.63	17.61	62.13	20.63	71.63	23.15	70.99	26.06	71.26	25.29	71.36	25.57	70.86	25.62
	50	52.63	18.33	62.13	21.47	71.63	24.09	70.77	27.12	70.52	26.35	70.62	26.57	70.11	26.64

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	46.05	6.04	54.36	7.08	62.68	7.94	66.50	8.94	72.40	8.72	77.50	8.81	80.58	8.89
	12	46.05	6.15	54.36	7.21	62.68	8.09	66.50	9.11	72.40	8.88	77.50	8.97	79.87	9.05
	14	46.05	6.26	54.36	7.34	62.68	8.23	66.50	9.27	72.40	9.04	76.80	9.13	79.16	9.22
	16	46.05	6.37	54.36	7.47	62.68	8.38	66.50	9.43	72.40	9.20	76.11	9.29	78.44	9.38
	18	46.05	6.48	54.36	7.59	62.68	8.52	66.50	9.59	72.40	9.35	75.42	9.45	77.73	9.54
	19	46.05	6.59	54.36	7.72	62.68	8.67	66.50	9.76	72.40	9.51	74.73	9.61	77.02	9.70
	21	46.05	6.70	54.36	7.85	62.68	8.81	66.50	9.92	72.40	9.67	74.04	9.77	76.30	9.86
	23	46.05	6.81	54.36	7.98	62.68	8.95	66.50	10.08	72.40	9.83	73.34	9.93	75.59	10.02
	25	46.05	7.03	54.36	8.24	62.68	9.24	66.50	10.41	71.72	10.15	72.65	10.25	74.88	10.35
	27	46.05	7.14	54.36	8.37	62.68	9.39	66.50	10.57	71.05	10.31	71.96	10.41	74.16	10.51
	29	46.05	8.79	54.36	10.30	62.68	11.55	66.50	13.01	70.37	12.68	71.27	12.81	73.45	12.94
	31	46.05	9.89	54.36	11.59	62.68	13.00	66.50	14.63	69.69	14.27	70.58	14.41	72.74	14.55
	33	46.05	10.44	54.36	12.23	62.68	13.72	66.50	15.45	68.34	15.06	69.89	15.21	72.02	15.36
	35	46.05	10.99	54.36	12.87	62.68	14.44	66.50	16.26	67.66	15.86	69.19	16.01	71.31	16.17
	37	46.05	11.47	54.36	13.43	62.68	15.07	65.17	16.97	66.31	16.47	67.12	16.55	68.46	16.63
	39	46.05	11.87	54.36	13.90	62.68	15.60	64.70	17.56	65.63	17.04	66.43	17.26	67.03	17.38
	41	46.05	12.35	54.36	14.47	62.68	16.23	64.51	18.28	64.96	17.76	65.73	17.93	66.32	18.08
	43	46.05	12.97	54.36	15.19	62.68	17.04	63.84	19.19	64.28	18.71	65.04	18.86	65.96	18.95
	46	46.05	13.53	54.36	15.85	62.68	17.78	62.56	20.02	62.99	19.43	63.09	19.50	63.32	19.49
	48	46.05	14.00	54.36	16.40	62.68	18.41	62.12	20.72	62.35	20.11	62.44	20.33	62.01	20.37
	50	46.05	14.57	54.36	17.07	62.68	19.15	61.92	21.57	61.71	20.95	61.79	21.13	61.35	21.19
60%	10	39.47	4.59	46.60	5.37	53.72	6.03	57.00	6.79	62.06	6.62	66.43	6.68	69.07	6.75
	12	39.47	4.67	46.60	5.47	53.72	6.14	57.00	6.91	62.06	6.74	66.43	6.81	68.46	6.87
	14	39.47	4.75	46.60	5.57	53.72	6.25	57.00	7.03	62.06	6.86	65.83	6.93	67.85	7.00
	16	39.47	4.84	46.60	5.67	53.72	6.36	57.00	7.16	62.06	6.98	65.24	7.05	67.24	7.12
	18	39.47	4.92	46.60	5.76	53.72	6.47	57.00	7.28	62.06	7.10	64.65	7.17	66.63	7.24
	19	39.47	5.00	46.60	5.86	53.72	6.58	57.00	7.41	62.06	7.22	64.05	7.29	66.01	7.36
	21	39.47	5.09	46.60	5.96	53.72	6.69	57.00	7.53	62.06	7.34	63.46	7.41	65.40	7.49
	23	39.47	5.17	46.60	6.06	53.72	6.80	57.00	7.65	62.06	7.46	62.87	7.53	64.79	7.61
	25	39.47	5.34	46.60	6.25	53.72	7.02	57.00	7.90	61.48	7.70	62.27	7.78	64.18	7.85
	27	39.47	5.42	46.60	6.35	53.72	7.13	57.00	8.02	60.90	7.82	61.68	7.90	63.57	7.98
	29	39.47	6.67	46.60	7.82	53.72	8.77	57.00	9.87	60.32	9.63	61.09	9.72	62.96	9.82
	31	39.47	7.51	46.60	8.79	53.72	9.87	57.00	11.11	59.74	10.83	60.49	10.94	62.35	11.05
	33	39.47	7.92	46.60	9.28	53.72	10.41	57.00	11.72	58.58	11.43	59.90	11.55	61.74	11.66
	35	39.47	8.34	46.60	9.77	53.72	10.96	57.00	12.34	58.00	12.03	59.31	12.15	61.12	12.27
	37	39.47	8.70	46.60	10.20	53.72	11.44	55.86	12.88	56.84	12.50	57.53	12.56	58.68	12.62
	39	39.47	9.01	46.60	10.55	53.72	11.84	55.46	13.33	56.26	12.94	56.94	13.10	57.46	13.19
	41	39.47	9.37	46.60	10.98	53.72	12.32	55.29	13.87	55.68	13.48	56.34	13.61	56.85	13.72
	43	39.47	9.84	46.60	11.53	53.72	12.93	54.72	14.56	55.10	14.20	55.75	14.32	56.54	14.38
	46	39.47	10.27	46.60	12.03	53.72	13.50	53.63	15.20	54.00	14.75	54.08	14.80	54.28	14.79
	48	39.47	10.63	46.60	12.45	53.72	13.97	53.24	15.73	53.44	15.27	53.52	15.43	53.15	15.46
	50	39.47	11.06	46.60	12.96	53.72	14.54	53.08	16.37	52.89	15.90	52.96	16.03	52.58	16.08
50%	10	32.89	3.23	38.83	3.79	44.77	4.25	47.50	4.78	51.71	4.66	55.35	4.71	57.56	4.75
	12	32.89	3.29	38.83	3.85	44.77	4.32	47.50	4.87	51.71	4.75	55.35	4.79	57.05	4.84
	14	32.89	3.35	38.83	3.92	44.77	4.40	47.50	4.96	51.71	4.83	54.86	4.88	56.54	4.93
	16	32.89	3.41	38.83	3.99	44.77	4.48	47.50	5.04	51.71	4.92	54.37	4.97	56.03	5.01
	18	32.89	3.47	38.83	4.06	44.77	4.56	47.50	5.13	51.71	5.00	53.87	5.05	55.52	5.10
	19	32.89	3.52	38.83	4.13	44.77	4.63	47.50	5.22	51.71	5.09	53.38	5.14	55.01	5.19
	21	32.89	3.58	38.83	4.20	44.77	4.71	47.50	5.30	51.71	5.17	52.88	5.22	54.50	5.27
	23	32.89	3.64	38.83	4.27	44.77	4.79	47.50	5.39	51.71	5.26	52.39	5.31	53.99	5.36
	25	32.89	3.76	38.83	4.40	44.77	4.94	47.50	5.56	51.23	5.42	51.89	5.48	53.48	5.53
	27	32.89	3.82	38.83	4.47	44.77	5.02	47.50	5.65	50.75	5.51	51.40	5.56	52.97	5.62
	29	32.89	4.70	38.83	5.51	44.77	6.18	47.50	6.95	50.26	6.78	50.91	6.85	52.46	6.92
	31	32.89	5.29	38.83	6.19	44.77	6.95	47.50	7.82	49.78	7.63	50.41	7.70	51.96	7.78
	33	32.89	5.58	38.83	6.54	44.77	7.34	47.50	8.26	48.81	8.05	49.92	8.13	51.45	8.21
	35	32.89	5.87	38.83	6.88	44.77	7.72	47.50	8.69	48.33	8.48	49.42	8.56	50.94	8.64
	37	32.89	6.13	38.83	7.18	44.77	8.06	46.55	9.07	47.36	8.80	47.94	8.85	48.90	8.89
	39	32.89	6.34	38.83	7.43	44.77	8.34	46.22	9.39	46.88	9.11	47.45	9.23	47.88	9.29
	41	32.89	6.60	38.83	7.74	44.77	8.68	46.08	9.77	46.40	9.49	46.95	9.59	47.37	9.66
	43	32.89	6.93	38.83	8.12	44.77	9.11	45.60	10.26	45.91	10.00	46.46	10.08	47.12	10.13
	46	32.89	7.23	38.83	8.47	44.77	9.51	44.69	10.71	45.00	10.39	45.06	10.42	45.23	10.42
	48	32.89	7.49	38.83	8.77	44.77	9.84	44.37	11.08	44.54	10.75	44.60	10.87	44.29	10.89
	50	32.89	7.79	38.83	9.13	44.77	10.24	44.23	11.53	44.08	11.20	44.14	11.29	43.82	11.33

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	26.32	2.56	31.07	3.00	35.82	3.37	38.00	3.79	41.37	3.70	44.28	3.73	46.05	3.77
	12	26.32	2.61	31.07	3.06	35.82	3.43	38.00	3.86	41.37	3.76	44.28	3.80	45.64	3.84
	14	26.32	2.65	31.07	3.11	35.82	3.49	38.00	3.93	41.37	3.83	43.89	3.87	45.23	3.91
	16	26.32	2.70	31.07	3.16	35.82	3.55	38.00	4.00	41.37	3.90	43.49	3.94	44.82	3.97
	18	26.32	2.75	31.07	3.22	35.82	3.61	38.00	4.07	41.37	3.96	43.10	4.00	44.42	4.04
	19	26.32	2.79	31.07	3.27	35.82	3.67	38.00	4.14	41.37	4.03	42.70	4.07	44.01	4.11
	21	26.32	2.84	31.07	3.33	35.82	3.73	38.00	4.20	41.37	4.10	42.31	4.14	43.60	4.18
	23	26.32	2.89	31.07	3.38	35.82	3.79	38.00	4.27	41.37	4.17	41.91	4.21	43.19	4.25
	25	26.32	2.98	31.07	3.49	35.82	3.92	38.00	4.41	40.98	4.30	41.52	4.34	42.79	4.39
	27	26.32	3.03	31.07	3.55	35.82	3.98	38.00	4.48	40.60	4.37	41.12	4.41	42.38	4.45
	29	26.32	3.73	31.07	4.36	35.82	4.90	38.00	5.51	40.21	5.38	40.73	5.43	41.97	5.48
	31	26.32	4.19	31.07	4.91	35.82	5.51	38.00	6.20	39.82	6.05	40.33	6.11	41.56	6.17
	33	26.32	4.42	31.07	5.18	35.82	5.81	38.00	6.55	39.05	6.38	39.93	6.45	41.16	6.51
	35	26.32	4.66	31.07	5.46	35.82	6.12	38.00	6.89	38.67	6.72	39.54	6.79	40.75	6.85
	37	26.32	4.86	31.07	5.69	35.82	6.39	37.24	7.19	37.89	6.98	38.35	7.01	39.12	7.05
	39	26.32	5.03	31.07	5.89	35.82	6.61	36.97	7.44	37.51	7.22	37.96	7.32	38.30	7.37
	41	26.32	5.23	31.07	6.13	35.82	6.88	36.86	7.75	37.12	7.53	37.56	7.60	37.90	7.66
	43	26.32	5.50	31.07	6.44	35.82	7.22	36.48	8.13	36.73	7.93	37.17	7.99	37.69	8.03
	46	26.32	5.74	31.07	6.72	35.82	7.54	35.75	8.49	36.00	8.24	36.05	8.26	36.19	8.26
	48	26.32	5.94	31.07	6.95	35.82	7.80	35.50	8.78	35.63	8.52	35.68	8.62	35.43	8.63
	50	26.32	6.18	31.07	7.24	35.82	8.12	35.39	9.14	35.26	8.88	35.31	8.95	35.05	8.98
30%	10	19.74	2.34	23.30	2.75	26.86	3.08	28.50	3.47	31.03	3.38	33.21	3.42	34.54	3.45
	12	19.74	2.39	23.30	2.80	26.86	3.14	28.50	3.53	31.03	3.44	33.21	3.48	34.23	3.51
	14	19.74	2.43	23.30	2.85	26.86	3.19	28.50	3.59	31.03	3.50	32.92	3.54	33.92	3.57
	16	19.74	2.47	23.30	2.90	26.86	3.25	28.50	3.66	31.03	3.57	32.62	3.60	33.62	3.64
	18	19.74	2.51	23.30	2.95	26.86	3.30	28.50	3.72	31.03	3.63	32.32	3.66	33.31	3.70
	19	19.74	2.56	23.30	3.00	26.86	3.36	28.50	3.78	31.03	3.69	32.03	3.73	33.01	3.76
	21	19.74	2.60	23.30	3.05	26.86	3.42	28.50	3.85	31.03	3.75	31.73	3.79	32.70	3.83
	23	19.74	2.64	23.30	3.10	26.86	3.47	28.50	3.91	31.03	3.81	31.43	3.85	32.40	3.89
	25	19.74	2.73	23.30	3.19	26.86	3.58	28.50	4.04	30.74	3.94	31.14	3.97	32.09	4.01
	27	19.74	2.77	23.30	3.24	26.86	3.64	28.50	4.10	30.45	4.00	30.84	4.04	31.78	4.08
	29	19.74	3.41	23.30	3.99	26.86	4.48	28.50	5.04	30.16	4.92	30.54	4.97	31.48	5.02
	31	19.74	3.84	23.30	4.49	26.86	5.04	28.50	5.68	29.87	5.53	30.25	5.59	31.17	5.64
	33	19.74	4.05	23.30	4.74	26.86	5.32	28.50	5.99	29.29	5.84	29.95	5.90	30.87	5.96
	35	19.74	4.26	23.30	4.99	26.86	5.60	28.50	6.31	29.00	6.15	29.65	6.21	30.56	6.27
	37	19.74	4.45	23.30	5.21	26.86	5.85	27.93	6.58	28.42	6.39	28.76	6.42	29.34	6.45
	39	19.74	4.60	23.30	5.39	26.86	6.05	27.73	6.81	28.13	6.61	28.47	6.69	28.73	6.74
	41	19.74	4.79	23.30	5.61	26.86	6.30	27.65	7.09	27.84	6.89	28.17	6.95	28.42	7.01
	43	19.74	5.03	23.30	5.89	26.86	6.61	27.36	7.44	27.55	7.26	27.87	7.31	28.27	7.35
	46	19.74	5.25	23.30	6.15	26.86	6.90	26.81	7.77	27.00	7.54	27.04	7.56	27.14	7.56
	48	19.74	5.43	23.30	6.36	26.86	7.14	26.62	8.04	26.72	7.80	26.76	7.89	26.57	7.90
	50	19.74	5.65	23.30	6.62	26.86	7.43	26.54	8.36	26.45	8.13	26.48	8.19	26.29	8.22
20%	10	13.16	1.36	15.53	1.59	17.91	1.78	19.00	2.01	20.69	1.96	22.14	1.98	23.02	2.00
	12	13.16	1.38	15.53	1.62	17.91	1.81	19.00	2.04	20.69	1.99	22.14	2.01	22.82	2.03
	14	13.16	1.41	15.53	1.65	17.91	1.85	19.00	2.08	20.69	2.03	21.94	2.05	22.62	2.07
	16	13.16	1.43	15.53	1.68	17.91	1.88	19.00	2.12	20.69	2.06	21.75	2.08	22.41	2.10
	18	13.16	1.45	15.53	1.70	17.91	1.91	19.00	2.15	20.69	2.10	21.55	2.12	22.21	2.14
	19	13.16	1.48	15.53	1.73	17.91	1.94	19.00	2.19	20.69	2.13	21.35	2.16	22.00	2.18
	21	13.16	1.50	15.53	1.76	17.91	1.98	19.00	2.23	20.69	2.17	21.15	2.19	21.80	2.21
	23	13.16	1.53	15.53	1.79	17.91	2.01	19.00	2.26	20.69	2.21	20.96	2.23	21.60	2.25
	25	13.16	1.58	15.53	1.85	17.91	2.07	19.00	2.34	20.49	2.28	20.76	2.30	21.39	2.32
	27	13.16	1.60	15.53	1.88	17.91	2.11	19.00	2.37	20.30	2.31	20.56	2.34	21.19	2.36
	29	13.16	1.97	15.53	2.31	17.91	2.59	19.00	2.92	20.11	2.85	20.36	2.87	20.99	2.90
	31	13.16	2.22	15.53	2.60	17.91	2.92	19.00	3.28	19.91	3.20	20.16	3.23	20.78	3.27
	33	13.16	2.34	15.53	2.74	17.91	3.08	19.00	3.47	19.53	3.38	19.97	3.41	20.58	3.45
	35	13.16	2.47	15.53	2.89	17.91	3.24	19.00	3.65	19.33	3.56	19.77	3.59	20.37	3.63
	37	13.16	2.57	15.53	3.01	17.91	3.38	18.62	3.81	18.95	3.69	19.18	3.71	19.56	3.73
	39	13.16	2.66	15.53	3.12	17.91	3.50	18.49	3.94	18.75	3.82	18.98	3.87	19.15	3.90
	41	13.16	2.77	15.53	3.25	17.91	3.64	18.43	4.10	18.56	3.98	18.78	4.02	18.95	4.06
	43	13.16	2.91	15.53	3.41	17.91	3.82	18.24	4.31	18.37	4.20	18.58	4.23	18.85	4.25
	46	13.16	3.04	15.53	3.56	17.91	3.99	17.88	4.49	18.00	4.36	18.03	4.37	18.09	4.37
	48	13.16	3.14	15.53	3.68	17.91	4.13	17.75	4.65	17.81	4.51	17.84	4.56	17.72	4.57
	50	13.16	3.27	15.53	3.83	17.91	4.30	17.69	4.84	17.63	4.70	17.65	4.74	17.53	4.75

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR360ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	76.69	13.42	90.53	15.72	104.37	17.63	110.74	19.38	120.56	19.36	129.05	19.55	134.19	19.74
	12	76.69	13.66	90.53	16.00	104.37	17.95	110.74	19.73	120.56	19.71	129.05	19.91	133.00	20.10
	14	76.69	13.90	90.53	16.29	104.37	18.27	110.74	20.09	120.56	20.06	127.90	20.26	131.81	20.46
	16	76.69	14.15	90.53	16.57	104.37	18.60	110.74	20.44	120.56	20.41	126.75	20.62	130.63	20.82
	18	76.69	14.39	90.53	16.86	104.37	18.92	110.74	20.79	120.56	20.77	125.59	20.97	129.44	21.18
	19	76.69	14.64	90.53	17.15	101.24	19.24	110.74	21.14	120.56	21.12	124.44	21.33	128.25	21.54
	21	76.69	14.88	90.53	17.43	104.37	19.56	110.74	21.50	120.56	21.47	123.29	21.68	127.06	21.90
	23	76.69	15.12	90.53	17.72	104.37	19.88	110.74	21.85	120.56	21.82	122.14	22.04	125.88	22.25
	25	76.69	15.61	90.53	18.29	104.37	20.52	110.74	22.55	119.44	22.53	120.99	22.75	124.69	22.97
	27	76.69	15.86	90.53	18.57	104.37	20.84	110.74	22.91	118.31	22.88	119.83	23.10	123.50	23.33
	29	76.69	19.52	90.53	22.86	104.37	25.65	110.74	28.19	117.18	28.16	118.68	28.44	122.31	28.72
	31	76.69	21.95	90.53	25.72	104.37	28.85	110.74	31.72	116.06	31.68	117.53	31.99	121.13	32.30
	33	76.69	23.17	90.53	27.15	104.37	30.46	110.74	33.48	113.80	33.44	116.38	33.77	119.94	34.10
	35	76.69	24.39	90.53	28.58	104.37	32.06	110.74	35.24	112.68	35.20	115.22	35.55	118.75	35.89
	37	76.69	25.46	90.53	29.82	104.37	33.46	108.52	36.78	110.42	36.56	111.77	36.74	114.00	36.92
	39	76.69	26.35	90.53	30.86	104.37	34.63	107.75	38.06	109.30	37.84	110.62	38.32	111.63	38.59
	41	76.69	27.42	90.53	32.12	104.37	36.04	107.42	39.61	108.17	39.42	109.46	39.81	110.44	40.13
	43	76.69	28.78	90.53	33.72	104.37	37.83	106.31	41.58	107.04	41.53	108.31	41.87	109.84	42.07
	46	76.69	30.04	90.53	35.19	104.37	39.48	104.18	43.40	104.90	43.14	105.06	43.28	105.45	43.27
	48	76.69	31.09	90.53	36.42	104.37	40.86	103.44	44.91	103.83	44.65	103.98	45.14	103.25	45.22
	50	76.69	32.35	90.53	37.90	104.37	42.52	103.12	46.74	102.76	46.52	102.90	46.90	102.16	47.03
120%	10	75.44	13.29	89.05	15.56	102.67	17.46	108.94	19.19	118.60	19.17	126.95	19.36	132.00	19.55
	12	75.44	13.53	89.05	15.85	102.67	17.78	108.94	19.54	118.60	19.52	126.95	19.71	130.84	19.91
	14	75.44	13.77	89.05	16.13	102.67	18.10	108.94	19.89	118.60	19.87	125.82	20.06	129.67	20.26
	16	75.44	14.01	89.05	16.41	102.67	18.41	108.94	20.24	118.60	20.22	124.68	20.42	128.50	20.62
	18	75.44	14.25	89.05	16.70	102.67	18.73	108.94	20.59	118.60	20.56	123.55	20.77	127.33	20.97
	19	75.44	14.49	89.05	16.98	102.67	19.05	108.94	20.94	118.60	20.91	122.42	21.12	126.16	21.33
	21	75.44	14.74	89.05	17.26	102.67	19.37	108.94	21.29	118.60	21.26	121.28	21.47	124.99	21.68
	23	75.44	14.98	89.05	17.54	102.67	19.68	108.94	21.64	118.60	21.61	120.15	21.82	123.83	22.04
	25	75.44	15.46	89.05	18.11	102.67	20.32	108.94	22.33	117.49	22.31	119.01	22.53	122.66	22.75
	27	75.44	15.70	89.05	18.39	102.67	20.64	108.94	22.68	116.38	22.66	117.88	22.88	121.49	23.10
	29	75.44	19.33	89.05	22.64	102.67	25.40	108.94	27.92	115.28	27.88	116.75	28.16	120.32	28.44
	31	75.44	21.74	89.05	25.47	102.67	28.57	108.94	31.41	114.17	31.37	115.61	31.68	119.15	31.99
	33	75.44	22.95	89.05	26.88	102.67	30.16	108.94	33.15	111.95	33.11	114.48	33.44	117.99	33.77
	35	75.44	24.16	89.05	28.30	102.67	31.75	108.94	34.90	110.84	34.86	113.35	35.20	116.82	35.55
	37	75.44	25.21	89.05	29.53	102.67	33.13	106.76	36.42	108.63	36.20	109.95	36.38	112.14	36.56
	39	75.44	26.09	89.05	30.56	102.67	34.29	105.99	37.69	107.52	37.47	108.81	37.95	109.81	38.21
	41	75.44	27.15	89.05	31.81	102.67	35.69	105.67	39.22	106.41	39.04	107.68	39.42	108.64	39.74
	43	75.44	28.51	89.05	33.39	102.67	37.46	104.58	41.18	105.30	41.13	106.55	41.47	108.06	41.66
	46	75.44	29.75	89.05	34.85	102.67	39.10	102.49	42.97	103.19	42.72	103.35	42.86	103.73	42.85
	48	75.44	30.79	89.05	36.06	102.67	40.46	101.75	44.47	102.14	44.21	102.28	44.70	101.57	44.78
	50	75.44	32.04	89.05	37.53	102.67	42.11	101.44	46.28	101.09	46.06	101.22	46.44	100.49	46.57
110%	10	74.19	12.97	87.58	15.19	100.97	17.05	107.13	18.74	116.64	18.71	124.85	18.90	129.82	19.08
	12	74.19	13.21	87.58	15.47	100.97	17.36	107.13	19.08	116.64	19.05	124.85	19.24	128.67	19.43
	14	74.19	13.44	87.58	15.75	100.97	17.67	107.13	19.42	116.64	19.39	123.73	19.59	127.52	19.78
	16	74.19	13.68	87.58	16.02	100.97	17.98	107.13	19.76	116.64	19.73	122.62	19.93	126.37	20.13
	18	74.19	13.91	87.58	16.30	100.97	18.29	107.13	20.10	116.64	20.07	121.50	20.27	125.22	20.47
	19	74.19	14.15	87.58	16.57	100.97	18.60	107.13	20.44	116.64	20.42	120.39	20.62	124.07	20.82
	21	74.19	14.38	87.58	16.85	100.97	18.91	107.13	20.78	116.64	20.76	119.27	20.96	122.92	21.17
	23	74.19	14.62	87.58	17.13	100.97	19.22	107.13	21.12	116.64	21.10	118.16	21.30	121.78	21.51
	25	74.19	15.09	87.58	17.68	100.97	19.84	107.13	21.80	115.55	21.78	117.04	21.99	120.63	22.21
	27	74.19	15.33	87.58	17.96	100.97	20.15	107.13	22.14	114.46	22.12	115.93	22.34	119.48	22.55
	29	74.19	18.87	87.58	22.10	100.97	24.79	107.13	27.25	113.37	27.22	114.82	27.49	118.33	27.76
	31	74.19	21.22	87.58	24.86	100.97	27.89	107.13	30.66	112.28	30.62	113.70	30.93	117.18	31.23
	33	74.19	22.40	87.58	26.24	100.97	29.44	107.13	32.36	110.10	32.32	112.59	32.64	116.03	32.96
	35	74.19	23.58	87.58	27.62	100.97	30.99	107.13	34.07	109.01	34.03	111.47	34.36	114.88	34.70
	37	74.19	24.61	87.58	28.83	100.97	32.34	104.99	35.55	106.83	35.34	108.13	35.52	110.29	35.69
	39	74.19	25.47	87.58	29.83	100.97	33.47	104.24	36.79	105.74	36.58	107.01	37.04	107.99	37.30
	41	74.19	26.51	87.58	31.05	100.97	34.84	103.92	38.29	104.65	38.11	105.90	38.49	106.84	38.79
	43	74.19	27.83	87.58	32.60	100.97	36.57	102.85	40.20	103.56	40.15	104.78	40.48	106.27	40.67
	46	74.19	29.04	87.58	34.02	100.97	38.17	100.79	41.95	101.49	41.70	101.64	41.84	102.02	41.83
	48	74.19	30.05	87.58	35.20	100.97	39.50	100.07	43.41	100.45	43.16	100.59	43.64	99.89	43.72
	50	74.19	31.28	87.58	36.64	100.97	41.11	99.76	45.18	99.41	44.97	99.54	45.34	98.83	45.47

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	69.94	12.28	82.57	14.39	95.19	16.14	101.00	17.55	109.96	17.72	117.70	17.90	122.39	18.07
	12	69.94	12.50	82.57	14.65	95.19	16.43	101.00	17.86	109.96	18.04	117.70	18.22	121.30	18.40
	14	69.94	12.73	82.57	14.91	95.19	16.73	101.00	18.18	109.96	18.36	116.65	18.55	120.22	18.73
	16	69.94	12.95	82.57	15.17	95.19	17.02	101.00	18.50	109.96	18.69	115.60	18.87	119.14	19.06
	18	69.94	13.17	82.57	15.43	95.19	17.32	101.00	18.82	109.96	19.01	114.55	19.20	118.06	19.39
	19	69.94	13.40	82.57	15.69	95.19	17.61	101.00	19.14	109.96	19.33	113.50	19.52	116.97	19.71
	21	69.94	13.62	82.57	15.96	95.19	17.90	101.00	19.46	109.96	19.65	112.45	19.85	115.89	20.04
	23	69.94	13.84	82.57	16.22	95.19	18.20	101.00	19.78	109.96	19.98	111.40	20.17	114.81	20.37
	25	69.94	14.29	82.57	16.74	95.19	18.78	101.00	20.42	108.93	20.62	110.35	20.82	113.72	21.03
	27	69.94	14.51	82.57	17.00	95.19	19.08	101.00	20.74	107.91	20.94	109.29	21.15	112.64	21.36
	29	69.94	17.86	82.57	20.93	95.19	23.48	101.00	25.52	106.88	25.78	108.24	26.03	111.56	26.29
	31	69.94	20.10	82.57	23.54	95.19	26.41	101.00	28.71	105.85	29.00	107.19	29.28	110.47	29.57
	33	69.94	21.21	82.57	24.85	95.19	27.88	101.00	30.31	103.80	30.61	106.14	30.91	109.39	31.21
	35	69.94	22.33	82.57	26.16	95.19	29.35	101.00	31.90	102.77	32.22	105.09	32.54	108.31	32.86
	37	69.94	23.30	82.57	27.30	95.19	30.63	98.98	33.29	100.71	33.46	101.94	33.63	103.98	33.80
	39	69.94	24.12	82.57	28.25	95.19	31.70	98.27	34.45	99.68	34.64	100.89	35.08	101.81	35.32
	41	69.94	25.10	82.57	29.40	95.19	32.99	97.97	35.86	98.66	36.09	99.84	36.44	100.73	36.73
	43	69.94	26.35	82.57	30.87	95.19	34.63	96.96	37.64	97.63	38.02	98.79	38.33	100.18	38.51
	46	69.94	27.50	82.57	32.21	95.19	36.14	95.02	39.28	95.68	39.49	95.82	39.62	96.18	39.61
	48	69.94	28.46	82.57	33.34	95.19	37.40	94.34	40.65	94.70	40.87	94.83	41.32	94.17	41.40
	50	69.94	29.62	82.57	34.69	95.19	38.92	94.05	42.31	93.72	42.58	93.85	42.93	93.17	43.05
90%	10	62.95	10.31	74.31	12.08	85.67	13.55	90.90	14.89	98.97	14.87	105.93	15.02	110.15	15.17
	12	62.95	10.50	74.31	12.30	85.67	13.80	90.90	15.16	98.97	15.14	105.93	15.29	109.17	15.44
	14	62.95	10.68	74.31	12.52	85.67	14.04	90.90	15.43	98.97	15.42	104.99	15.57	108.20	15.72
	16	62.95	10.87	74.31	12.73	85.67	14.29	90.90	15.70	98.97	15.69	104.04	15.84	107.22	16.00
	18	62.95	11.06	74.31	12.95	85.67	14.53	90.90	15.98	98.97	15.96	103.09	16.11	106.25	16.27
	19	62.95	11.25	74.31	13.17	85.67	14.78	90.90	16.25	98.97	16.23	102.15	16.39	105.27	16.55
	21	62.95	11.43	74.31	13.39	85.67	15.03	90.90	16.52	98.97	16.50	101.20	16.66	104.30	16.82
	23	62.95	11.62	74.31	13.61	85.67	15.27	90.90	16.79	98.97	16.77	100.26	16.93	103.33	17.10
	25	62.95	12.00	74.31	14.05	85.67	15.77	90.90	17.33	98.04	17.31	99.31	17.48	102.35	17.65
	27	62.95	12.18	74.31	14.27	85.67	16.01	90.90	17.60	97.12	17.58	98.36	17.75	101.38	17.93
	29	62.95	14.99	74.31	17.57	85.67	19.71	90.90	21.66	96.19	21.64	97.42	21.85	100.40	22.06
	31	62.95	16.87	74.31	19.76	85.67	22.17	90.90	24.37	95.27	24.34	96.47	24.58	99.43	24.82
	33	62.95	17.81	74.31	20.86	85.67	23.40	90.90	25.72	93.42	25.69	95.53	25.95	98.45	26.20
	35	62.95	18.74	74.31	21.96	85.67	24.63	90.90	27.08	92.49	27.04	94.58	27.31	97.48	27.58
	37	62.95	19.56	74.31	22.91	85.67	25.71	89.08	28.26	90.64	28.09	91.74	28.23	93.58	28.37
	39	62.95	20.24	74.31	23.71	85.67	26.61	88.45	29.24	89.72	29.07	90.80	29.44	91.63	29.65
	41	62.95	21.07	74.31	24.68	85.67	27.69	88.17	30.43	88.79	30.29	89.85	30.59	90.65	30.83
	43	62.95	22.12	74.31	25.91	85.67	29.07	87.26	31.95	87.87	31.91	88.91	32.17	90.17	32.32
	46	62.95	23.08	74.31	27.04	85.67	30.34	85.52	33.34	86.11	33.14	86.24	33.25	86.56	33.25
	48	62.95	23.89	74.31	27.98	85.67	31.39	84.91	34.51	85.23	34.31	85.35	34.68	84.76	34.75
	50	62.95	24.86	74.31	29.12	85.67	32.67	84.65	35.91	84.35	35.74	84.46	36.03	83.85	36.14
80%	10	55.95	8.45	66.05	9.90	76.15	11.10	80.80	12.20	87.97	12.19	94.16	12.31	97.91	12.43
	12	55.95	8.60	66.05	10.08	76.15	11.31	80.80	12.43	87.97	12.41	94.16	12.53	97.04	12.66
	14	55.95	8.76	66.05	10.26	76.15	11.51	80.80	12.65	87.97	12.63	93.32	12.76	96.18	12.88
	16	55.95	8.91	66.05	10.44	76.15	11.71	80.80	12.87	87.97	12.85	92.48	12.98	95.31	13.11
	18	55.95	9.06	66.05	10.62	76.15	11.91	80.80	13.09	87.97	13.08	91.64	13.21	94.44	13.33
	19	55.95	9.22	66.05	10.80	76.15	12.11	80.80	13.31	87.97	13.30	90.80	13.43	93.58	13.56
	21	55.95	9.37	66.05	10.98	76.15	12.31	80.80	13.54	87.97	13.52	89.96	13.65	92.71	13.79
	23	55.95	9.52	66.05	11.16	76.15	12.52	80.80	13.76	87.97	13.74	89.12	13.88	91.84	14.01
	25	55.95	9.83	66.05	11.52	76.15	12.92	80.80	14.20	87.15	14.18	88.28	14.32	90.98	14.47
	27	55.95	9.98	66.05	11.70	76.15	13.12	80.80	14.42	86.32	14.41	87.44	14.55	90.11	14.69
	29	55.95	12.29	66.05	14.39	76.15	16.15	80.80	17.75	85.50	17.73	86.59	17.91	89.25	18.08
	31	55.95	13.82	66.05	16.19	76.15	18.17	80.80	19.97	84.68	19.95	85.75	20.14	88.38	20.34
	33	55.95	14.59	66.05	17.09	76.15	19.18	80.80	21.08	83.04	21.05	84.91	21.26	87.51	21.47
	35	55.95	15.36	66.05	17.99	76.15	20.19	80.80	22.19	82.21	22.16	84.07	22.38	86.65	22.60
	37	55.95	16.03	66.05	18.78	76.15	21.07	79.18	23.16	80.57	23.02	81.55	23.13	83.18	23.25
	39	55.95	16.59	66.05	19.43	76.15	21.80	78.62	23.96	79.75	23.82	80.71	24.13	81.45	24.30
	41	55.95	17.27	66.05	20.22	76.15	22.69	78.38	24.94	78.93	24.82	79.87	25.07	80.58	25.27
	43	55.95	18.13	66.05	21.23	76.15	23.82	77.57	26.18	78.10	26.15	79.03	26.37	80.15	26.49
	46	55.95	18.92	66.05	22.16	76.15	24.86	76.02	27.33	76.54	27.16	76.66	27.25	76.94	27.25
	48	55.95	19.58	66.05	22.93	76.15	25.73	75.47	28.28	75.76	28.11	75.87	28.42	75.34	28.48
	50	55.95	20.37	66.05	23.87	76.15	26.78	75.24	29.43	74.98	29.29	75.08	29.53	74.54	29.61

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	48.96	6.72	57.80	7.87	66.63	8.83	70.70	9.70	76.97	9.69	82.39	9.79	85.67	9.88
	12	48.96	6.84	57.80	8.01	66.63	8.99	70.70	9.88	76.97	9.87	82.39	9.97	84.91	10.06
	14	48.96	6.96	57.80	8.16	66.63	9.15	70.70	10.06	76.97	10.05	81.66	10.14	84.15	10.24
	16	48.96	7.08	57.80	8.30	66.63	9.31	70.70	10.23	76.97	10.22	80.92	10.32	83.40	10.42
	18	48.96	7.21	57.80	8.44	66.63	9.47	70.70	10.41	76.97	10.40	80.18	10.50	82.64	10.60
	19	48.96	7.33	57.80	8.58	66.63	9.63	70.70	10.59	76.97	10.57	79.45	10.68	81.88	10.78
	21	48.96	7.45	57.80	8.73	66.63	9.79	70.70	10.76	76.97	10.75	78.71	10.86	81.12	10.96
	23	48.96	7.57	57.80	8.87	66.63	9.95	70.70	10.94	76.97	10.93	77.98	11.03	80.36	11.14
	25	48.96	7.82	57.80	9.16	66.63	10.27	70.70	11.29	76.25	11.28	77.24	11.39	79.61	11.50
	27	48.96	7.94	57.80	9.30	66.63	10.43	70.70	11.47	75.53	11.45	76.51	11.57	78.85	11.68
	29	48.96	9.77	57.80	11.45	66.63	12.84	70.70	14.12	74.81	14.10	75.77	14.24	78.09	14.38
	31	48.96	10.99	57.80	12.88	66.63	14.45	70.70	15.88	74.10	15.86	75.03	16.02	77.33	16.17
	33	48.96	11.60	57.80	13.59	66.63	15.25	70.70	16.76	72.66	16.74	74.30	16.91	76.57	17.07
	35	48.96	12.21	57.80	14.31	66.63	16.05	70.70	17.64	71.94	17.62	73.56	17.80	75.82	17.97
	37	48.96	12.75	57.80	14.93	66.63	16.75	69.29	18.41	70.50	18.30	71.36	18.40	72.78	18.49
	39	48.96	13.19	57.80	15.45	66.63	17.34	68.79	19.06	69.78	18.94	70.62	19.19	71.27	19.32
	41	48.96	13.73	57.80	16.08	66.63	18.04	68.58	19.83	69.06	19.74	69.89	19.93	70.51	20.09
	43	48.96	14.41	57.80	16.88	66.63	18.94	67.87	20.82	68.34	20.79	69.15	20.97	70.13	21.06
	46	48.96	15.04	57.80	17.62	66.63	19.77	66.51	21.73	66.97	21.60	67.08	21.67	67.32	21.67
	48	48.96	15.57	57.80	18.23	66.63	20.46	66.04	22.49	66.29	22.35	66.38	22.60	65.92	22.64
	50	48.96	16.20	57.80	18.98	66.63	21.29	65.84	23.40	65.61	23.29	65.69	23.48	65.22	23.55
60%	10	41.97	5.10	49.54	5.97	57.12	6.70	60.60	7.37	65.98	7.36	70.62	7.43	73.43	7.50
	12	41.97	5.19	49.54	6.08	57.12	6.82	60.60	7.50	65.98	7.49	70.62	7.56	72.78	7.64
	14	41.97	5.28	49.54	6.19	57.12	6.94	60.60	7.63	65.98	7.62	69.99	7.70	72.13	7.78
	16	41.97	5.38	49.54	6.30	57.12	7.07	60.60	7.77	65.98	7.76	69.36	7.83	71.48	7.91
	18	41.97	5.47	49.54	6.41	57.12	7.19	60.60	7.90	65.98	7.89	68.73	7.97	70.83	8.05
	19	41.97	5.56	49.54	6.52	57.12	7.31	60.60	8.04	65.98	8.03	68.10	8.10	70.18	8.18
	21	41.97	5.65	49.54	6.62	57.12	7.43	60.60	8.17	65.98	8.16	67.47	8.24	69.53	8.32
	23	41.97	5.75	49.54	6.73	57.12	7.55	60.60	8.30	65.98	8.29	66.84	8.38	68.88	8.46
	25	41.97	5.93	49.54	6.95	57.12	7.80	60.60	8.57	65.36	8.56	66.21	8.65	68.23	8.73
	27	41.97	6.03	49.54	7.06	57.12	7.92	60.60	8.70	64.74	8.69	65.58	8.78	67.58	8.87
	29	41.97	7.42	49.54	8.69	57.12	9.75	60.60	10.71	64.13	10.70	64.95	10.81	66.93	10.91
	31	41.97	8.34	49.54	9.77	57.12	10.97	60.60	12.05	63.51	12.04	64.32	12.16	66.28	12.28
	33	41.97	8.81	49.54	10.32	57.12	11.57	60.60	12.72	62.28	12.71	63.68	12.83	65.63	12.96
	35	41.97	9.27	49.54	10.86	57.12	12.18	60.60	13.39	61.66	13.38	63.05	13.51	64.98	13.64
	37	41.97	9.67	49.54	11.33	57.12	12.72	59.39	13.98	60.43	13.89	61.16	13.96	62.39	14.03
	39	41.97	10.01	49.54	11.73	57.12	13.16	58.96	14.46	59.81	14.38	60.53	14.56	61.09	14.66
	41	41.97	10.42	49.54	12.21	57.12	13.69	58.78	15.05	59.19	14.98	59.90	15.13	60.44	15.25
	43	41.97	10.94	49.54	12.81	57.12	14.38	58.18	15.80	58.58	15.78	59.27	15.91	60.11	15.99
	46	41.97	11.42	49.54	13.37	57.12	15.00	57.01	16.49	57.41	16.39	57.49	16.45	57.71	16.44
	48	41.97	11.81	49.54	13.84	57.12	15.53	56.61	17.07	56.82	16.97	56.90	17.15	56.50	17.19
	50	41.97	12.30	49.54	14.40	57.12	16.16	56.43	17.76	56.23	17.68	56.31	17.82	55.90	17.87
50%	10	34.97	3.59	41.28	4.21	47.60	4.72	50.50	5.19	54.98	5.18	58.85	5.23	61.19	5.28
	12	34.97	3.66	41.28	4.28	47.60	4.81	50.50	5.28	54.98	5.28	58.85	5.33	60.65	5.38
	14	34.97	3.72	41.28	4.36	47.60	4.89	50.50	5.38	54.98	5.37	58.33	5.42	60.11	5.48
	16	34.97	3.79	41.28	4.44	47.60	4.98	50.50	5.47	54.98	5.46	57.80	5.52	59.57	5.57
	18	34.97	3.85	41.28	4.51	47.60	5.06	50.50	5.57	54.98	5.56	57.27	5.61	59.03	5.67
	19	34.97	3.92	41.28	4.59	47.60	5.15	50.50	5.66	54.98	5.65	56.75	5.71	58.49	5.76
	21	34.97	3.98	41.28	4.67	47.60	5.24	50.50	5.75	54.98	5.75	56.22	5.80	57.94	5.86
	23	34.97	4.05	41.28	4.74	47.60	5.32	50.50	5.85	54.98	5.84	55.70	5.90	57.40	5.96
	25	34.97	4.18	41.28	4.90	47.60	5.49	50.50	6.04	54.47	6.03	55.17	6.09	56.86	6.15
	27	34.97	4.24	41.28	4.97	47.60	5.58	50.50	6.13	53.95	6.12	54.65	6.18	56.32	6.25
	29	34.97	5.22	41.28	6.12	47.60	6.87	50.50	7.55	53.44	7.54	54.12	7.61	55.78	7.69
	31	34.97	5.88	41.28	6.88	47.60	7.72	50.50	8.49	52.93	8.48	53.60	8.56	55.24	8.65
	33	34.97	6.20	41.28	7.27	47.60	8.15	50.50	8.96	51.90	8.95	53.07	9.04	54.70	9.13
	35	34.97	6.53	41.28	7.65	47.60	8.58	50.50	9.43	51.38	9.42	52.55	9.51	54.15	9.61
	37	34.97	6.81	41.28	7.98	47.60	8.96	49.49	9.84	50.36	9.79	50.97	9.83	51.99	9.88
	39	34.97	7.05	41.28	8.26	47.60	9.27	49.14	10.19	49.84	10.13	50.44	10.26	50.90	10.33
	41	34.97	7.34	41.28	8.60	47.60	9.65	48.99	10.60	49.33	10.55	49.92	10.66	50.36	10.74
	43	34.97	7.71	41.28	9.03	47.60	10.13	48.48	11.13	48.81	11.12	49.39	11.21	50.09	11.26
	46	34.97	8.04	41.28	9.42	47.60	10.57	47.51	11.62	47.84	11.55	47.91	11.59	48.09	11.58
	48	34.97	8.32	41.28	9.75	47.60	10.94	47.17	12.02	47.35	11.95	47.42	12.08	47.09	12.11
	50	34.97	8.66	41.28	10.15	47.60	11.38	47.03	12.51	46.86	12.45	46.92	12.55	46.59	12.59

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	27.98	2.85	33.03	3.34	38.08	3.74	40.40	4.11	43.98	4.11	47.08	4.15	48.95	4.19
	12	27.98	2.90	33.03	3.40	38.08	3.81	40.40	4.19	43.98	4.18	47.08	4.22	48.52	4.27
	14	27.98	2.95	33.03	3.46	38.08	3.88	40.40	4.26	43.98	4.26	46.66	4.30	48.09	4.34
	16	27.98	3.00	33.03	3.52	38.08	3.95	40.40	4.34	43.98	4.33	46.24	4.37	47.66	4.42
	18	27.98	3.05	33.03	3.58	38.08	4.01	40.40	4.41	43.98	4.41	45.82	4.45	47.22	4.49
	19	27.98	3.11	33.03	3.64	38.08	4.08	40.40	4.49	43.98	4.48	45.40	4.53	46.79	4.57
	21	27.98	3.16	33.03	3.70	38.08	4.15	40.40	4.56	43.98	4.56	44.98	4.60	46.36	4.65
	23	27.98	3.21	33.03	3.76	38.08	4.22	40.40	4.64	43.98	4.63	44.56	4.68	45.92	4.72
	25	27.98	3.31	33.03	3.88	38.08	4.35	40.40	4.79	43.57	4.78	44.14	4.83	45.49	4.87
	27	27.98	3.36	33.03	3.94	38.08	4.42	40.40	4.86	43.16	4.85	43.72	4.90	45.06	4.95
	29	27.98	4.14	33.03	4.85	38.08	5.44	40.40	5.98	42.75	5.98	43.30	6.03	44.62	6.09
	31	27.98	4.66	33.03	5.46	38.08	6.12	40.40	6.73	42.34	6.72	42.88	6.79	44.19	6.86
	33	27.98	4.92	33.03	5.76	38.08	6.46	40.40	7.10	41.52	7.10	42.46	7.17	43.76	7.24
	35	27.98	5.18	33.03	6.06	38.08	6.80	40.40	7.48	41.11	7.47	42.04	7.54	43.32	7.62
	37	27.98	5.40	33.03	6.33	38.08	7.10	39.59	7.80	40.28	7.76	40.78	7.80	41.59	7.83
	39	27.98	5.59	33.03	6.55	38.08	7.35	39.31	8.08	39.87	8.03	40.35	8.13	40.72	8.19
	41	27.98	5.82	33.03	6.82	38.08	7.65	39.19	8.41	39.46	8.37	39.93	8.45	40.29	8.52
	43	27.98	6.11	33.03	7.16	38.08	8.03	38.78	8.82	39.05	8.81	39.51	8.89	40.07	8.93
	46	27.98	6.37	33.03	7.47	38.08	8.38	38.01	9.21	38.27	9.15	38.33	9.18	38.47	9.18
	48	27.98	6.60	33.03	7.73	38.08	8.67	37.74	9.53	37.88	9.47	37.93	9.58	37.67	9.60
	50	27.98	6.87	33.03	8.04	38.08	9.02	37.62	9.92	37.49	9.87	37.54	9.95	37.27	9.98
30%	10	20.98	2.61	24.77	3.05	28.56	3.42	30.30	3.76	32.99	3.76	35.31	3.80	36.72	3.83
	12	20.98	2.65	24.77	3.11	28.56	3.49	30.30	3.83	32.99	3.83	35.31	3.87	36.39	3.90
	14	20.98	2.70	24.77	3.16	28.56	3.55	30.30	3.90	32.99	3.90	35.00	3.93	36.07	3.97
	16	20.98	2.75	24.77	3.22	28.56	3.61	30.30	3.97	32.99	3.96	34.68	4.00	35.74	4.04
	18	20.98	2.79	24.77	3.27	28.56	3.67	30.30	4.04	32.99	4.03	34.36	4.07	35.42	4.11
	19	20.98	2.84	24.77	3.33	28.56	3.74	30.30	4.11	32.99	4.10	34.05	4.14	35.09	4.18
	21	20.98	2.89	24.77	3.38	28.56	3.80	30.30	4.17	32.99	4.17	33.73	4.21	34.77	4.25
	23	20.98	2.94	24.77	3.44	28.56	3.86	30.30	4.24	32.99	4.24	33.42	4.28	34.44	4.32
	25	20.98	3.03	24.77	3.55	28.56	3.98	30.30	4.38	32.68	4.37	33.10	4.42	34.12	4.46
	27	20.98	3.08	24.77	3.61	28.56	4.05	30.30	4.45	32.37	4.44	32.79	4.49	33.79	4.53
	29	20.98	3.79	24.77	4.44	28.56	4.98	30.30	5.47	32.06	5.47	32.47	5.52	33.47	5.58
	31	20.98	4.26	24.77	4.99	28.56	5.60	30.30	6.16	31.76	6.15	32.16	6.21	33.14	6.27
	33	20.98	4.50	24.77	5.27	28.56	5.91	30.30	6.50	31.14	6.49	31.84	6.56	32.82	6.62
	35	20.98	4.74	24.77	5.55	28.56	6.23	30.30	6.84	30.83	6.83	31.53	6.90	32.49	6.97
	37	20.98	4.94	24.77	5.79	28.56	6.50	29.69	7.14	30.21	7.10	30.58	7.13	31.19	7.17
	39	20.98	5.12	24.77	5.99	28.56	6.72	29.48	7.39	29.91	7.35	30.27	7.44	30.54	7.49
	41	20.98	5.32	24.77	6.24	28.56	7.00	29.39	7.69	29.60	7.65	29.95	7.73	30.22	7.79
	43	20.98	5.59	24.77	6.55	28.56	7.35	29.09	8.07	29.29	8.06	29.64	8.13	30.06	8.17
	46	20.98	5.83	24.77	6.83	28.56	7.67	28.51	8.43	28.70	8.38	28.75	8.40	28.85	8.40
	48	20.98	6.04	24.77	7.07	28.56	7.93	28.30	8.72	28.41	8.67	28.45	8.76	28.25	8.78
	50	20.98	6.28	24.77	7.36	28.56	8.26	28.22	9.08	28.12	9.03	28.15	9.11	27.95	9.13
20%	10	13.99	1.51	16.51	1.77	19.04	1.98	20.20	2.18	21.99	2.17	23.54	2.20	24.48	2.22
	12	13.99	1.53	16.51	1.80	19.04	2.02	20.20	2.22	21.99	2.21	23.54	2.24	24.26	2.26
	14	13.99	1.56	16.51	1.83	19.04	2.05	20.20	2.26	21.99	2.25	23.33	2.28	24.04	2.30
	16	13.99	1.59	16.51	1.86	19.04	2.09	20.20	2.30	21.99	2.29	23.12	2.32	23.83	2.34
	18	13.99	1.62	16.51	1.89	19.04	2.13	20.20	2.34	21.99	2.33	22.91	2.36	23.61	2.38
	19	13.99	1.64	16.51	1.93	19.04	2.16	20.20	2.38	21.99	2.37	22.70	2.40	23.39	2.42
	21	13.99	1.67	16.51	1.96	19.04	2.20	20.20	2.41	21.99	2.41	22.49	2.44	23.18	2.46
	23	13.99	1.70	16.51	1.99	19.04	2.23	20.20	2.45	21.99	2.45	22.28	2.48	22.96	2.50
	25	13.99	1.75	16.51	2.05	19.04	2.31	20.20	2.53	21.79	2.53	22.07	2.56	22.74	2.58
	27	13.99	1.78	16.51	2.09	19.04	2.34	20.20	2.57	21.58	2.57	21.86	2.60	22.53	2.62
	29	13.99	2.19	16.51	2.57	19.04	2.88	20.20	3.17	21.38	3.16	21.65	3.19	22.31	3.23
	31	13.99	2.47	16.51	2.89	19.04	3.24	20.20	3.56	21.17	3.56	21.44	3.59	22.09	3.63
	33	13.99	2.60	16.51	3.05	19.04	3.42	20.20	3.76	20.76	3.76	21.23	3.79	21.88	3.83
	35	13.99	2.74	16.51	3.21	19.04	3.60	20.20	3.96	20.55	3.95	21.02	3.99	21.66	4.03
	37	13.99	2.86	16.51	3.35	19.04	3.76	19.80	4.13	20.14	4.11	20.39	4.13	20.80	4.15
	39	13.99	2.96	16.51	3.47	19.04	3.89	19.65	4.28	19.94	4.25	20.18	4.30	20.36	4.33
	41	13.99	3.08	16.51	3.61	19.04	4.05	19.59	4.45	19.73	4.43	19.97	4.47	20.15	4.51
	43	13.99	3.23	16.51	3.79	19.04	4.25	19.39	4.67	19.53	4.67	19.76	4.70	20.04	4.73
	46	13.99	3.37	16.51	3.95	19.04	4.44	19.00	4.88	19.14	4.85	19.16	4.86	19.24	4.86
	48	13.99	3.49	16.51	4.09	19.04	4.59	18.87	5.05	18.94	5.02	18.97	5.07	18.83	5.08
	50	13.99	3.63	16.51	4.26	19.04	4.78	18.81	5.25	18.74	5.23	18.77	5.27	18.63	5.28

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR380ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	80.86	13.88	95.46	16.26	110.06	18.24	116.77	20.51	127.13	20.03	136.08	20.22	141.50	20.42
	12	80.86	14.13	95.46	16.55	110.06	18.57	116.77	20.89	127.13	20.39	136.08	20.59	140.24	20.79
	14	80.86	14.38	95.46	16.85	110.06	18.90	116.77	21.26	127.13	20.75	134.86	20.96	138.99	21.16
	16	80.86	14.64	95.46	17.15	110.06	19.24	116.77	21.63	127.13	21.12	133.65	21.33	137.74	21.54
	18	80.86	14.89	95.46	17.44	110.06	19.57	116.77	22.00	127.13	21.48	132.43	21.69	136.49	21.91
	19	80.86	15.14	95.46	17.74	106.75	19.90	116.77	22.38	127.13	21.85	131.22	22.06	135.24	22.28
	21	80.86	15.39	95.46	18.03	110.06	20.23	116.77	22.75	127.13	22.21	130.00	22.43	133.98	22.65
	23	80.86	15.65	95.46	18.33	110.06	20.56	116.77	23.12	127.13	22.57	128.79	22.80	132.73	23.02
	25	80.86	16.15	95.46	18.92	110.06	21.23	116.77	23.87	125.94	23.30	127.57	23.53	131.48	23.76
	27	80.86	16.40	95.46	19.21	110.06	21.56	116.77	24.24	124.75	23.67	126.36	23.90	130.23	24.14
	29	80.86	20.19	95.46	23.65	110.06	26.53	116.77	29.84	123.57	29.13	125.14	29.42	128.97	29.71
	31	80.86	22.71	95.46	26.60	110.06	29.85	116.77	33.57	122.38	32.77	123.93	33.09	127.72	33.42
	33	80.86	23.97	95.46	28.08	110.06	31.51	116.77	35.43	120.00	34.59	122.71	34.93	126.47	35.27
	35	80.86	25.24	95.46	29.56	110.06	33.17	116.77	37.30	118.81	36.41	121.50	36.77	125.22	37.13
	37	80.86	26.34	95.46	30.85	110.06	34.61	114.43	38.92	116.44	37.82	117.85	38.01	120.21	38.19
	39	80.86	27.25	95.46	31.93	110.06	35.82	113.62	40.28	115.25	39.14	116.64	39.64	117.70	39.92
	41	80.86	28.36	95.46	33.23	110.06	37.28	113.27	41.92	114.06	40.78	115.42	41.18	116.45	41.51
	43	80.86	29.78	95.46	34.88	110.06	39.14	112.10	44.01	112.87	42.96	114.21	43.32	115.83	43.52
	46	80.86	31.08	95.46	36.40	110.06	40.84	109.86	45.93	110.62	44.62	110.78	44.77	111.19	44.76
	48	80.86	32.16	95.46	37.67	110.06	42.27	109.07	47.53	109.49	46.19	109.64	46.69	108.88	46.78
	50	80.86	33.47	95.46	39.21	110.06	43.99	108.74	49.47	108.36	48.12	108.50	48.51	107.72	48.65
120%	10	79.55	13.74	93.90	16.10	108.26	18.06	114.87	20.31	125.06	19.83	133.86	20.03	139.19	20.22
	12	79.55	13.99	93.90	16.39	108.26	18.39	114.87	20.68	125.06	20.19	133.86	20.39	137.96	20.59
	14	79.55	14.24	93.90	16.69	108.26	18.72	114.87	21.05	125.06	20.55	132.67	20.76	136.73	20.96
	16	79.55	14.49	93.90	16.98	108.26	19.05	114.87	21.42	125.06	20.91	131.47	21.12	135.50	21.33
	18	79.55	14.74	93.90	17.27	108.26	19.38	114.87	21.79	125.06	21.27	130.28	21.48	134.26	21.69
	19	79.55	14.99	93.90	17.56	108.26	19.71	114.87	22.16	125.06	21.63	129.08	21.85	133.03	22.06
	21	79.55	15.24	93.90	17.86	108.26	20.03	114.87	22.53	125.06	21.99	127.89	22.21	131.80	22.43
	23	79.55	15.49	93.90	18.15	108.26	20.36	114.87	22.90	125.06	22.36	126.69	22.58	130.57	22.80
	25	79.55	15.99	93.90	18.74	108.26	21.02	114.87	23.64	123.89	23.08	125.50	23.30	129.34	23.53
	27	79.55	16.24	93.90	19.03	108.26	21.35	114.87	24.01	122.72	23.44	124.30	23.67	128.11	23.90
	29	79.55	19.99	93.90	23.42	108.26	26.28	114.87	29.55	121.55	28.85	123.11	29.13	126.87	29.42
	31	79.55	22.49	93.90	26.35	108.26	29.56	114.87	33.24	120.38	32.45	121.91	32.77	125.64	33.09
	33	79.55	23.74	93.90	27.81	108.26	31.20	114.87	35.09	118.05	34.25	120.72	34.59	124.41	34.93
	35	79.55	24.99	93.90	29.27	108.26	32.84	114.87	36.93	116.88	36.06	119.52	36.41	123.18	36.77
	37	79.55	26.08	93.90	30.55	108.26	34.28	112.57	38.54	114.54	37.45	115.93	37.64	118.25	37.82
	39	79.55	26.99	93.90	31.62	108.26	35.47	111.77	39.89	113.37	38.76	114.74	39.25	115.79	39.53
	41	79.55	28.09	93.90	32.90	108.26	36.92	111.42	41.51	112.20	40.38	113.54	40.78	114.56	41.11
	43	79.55	29.49	93.90	34.54	108.26	38.76	110.27	43.58	111.03	42.55	112.35	42.90	113.94	43.10
	46	79.55	30.77	93.90	36.05	108.26	40.45	108.07	45.48	108.81	44.19	108.98	44.34	109.38	44.33
	48	79.55	31.85	93.90	37.31	108.26	41.86	107.30	47.07	107.70	45.74	107.85	46.24	107.10	46.33
	50	79.55	33.14	93.90	38.83	108.26	43.56	106.96	48.99	106.59	47.65	106.73	48.04	105.96	48.18
110%	10	78.23	13.42	92.35	15.72	106.47	17.63	112.97	19.83	122.99	19.36	131.65	19.55	136.89	19.74
	12	78.23	13.66	92.35	16.00	106.47	17.95	112.97	20.19	122.99	19.71	131.65	19.91	135.68	20.10
	14	78.23	13.91	92.35	16.29	106.47	18.28	112.97	20.55	122.99	20.06	130.47	20.26	134.46	20.46
	16	78.23	14.15	92.35	16.57	106.47	18.60	112.97	20.91	122.99	20.42	129.30	20.62	133.25	20.82
	18	78.23	14.39	92.35	16.86	106.47	18.92	112.97	21.27	122.99	20.77	128.12	20.97	132.04	21.18
	19	78.23	14.64	92.35	17.15	106.47	19.24	112.97	21.63	122.99	21.12	126.94	21.33	130.83	21.54
	21	78.23	14.88	92.35	17.43	106.47	19.56	112.97	21.99	122.99	21.47	125.77	21.68	129.62	21.90
	23	78.23	15.12	92.35	17.72	106.47	19.88	112.97	22.35	122.99	21.82	124.59	22.04	128.41	22.26
	25	78.23	15.61	92.35	18.29	106.47	20.52	112.97	23.07	121.84	22.53	123.42	22.75	127.20	22.97
	27	78.23	15.86	92.35	18.58	106.47	20.84	112.97	23.44	120.69	22.88	122.24	23.11	125.98	23.33
	29	78.23	19.52	92.35	22.86	106.47	25.65	112.97	28.84	119.54	28.16	121.07	28.44	124.77	28.72
	31	78.23	21.96	92.35	25.72	106.47	28.86	112.97	32.45	118.39	31.68	119.89	31.99	123.56	32.31
	33	78.23	23.18	92.35	27.15	106.47	30.46	112.97	34.25	116.09	33.44	118.72	33.77	122.35	34.10
	35	78.23	24.40	92.35	28.58	106.47	32.06	112.97	36.05	114.94	35.20	117.54	35.55	121.14	35.90
	37	78.23	25.46	92.35	29.82	106.47	33.46	110.71	37.63	112.64	36.56	114.01	36.74	116.29	36.92
	39	78.23	26.35	92.35	30.86	106.47	34.63	109.92	38.94	111.49	37.84	112.84	38.32	113.87	38.59
	41	78.23	27.42	92.35	32.12	106.47	36.04	109.58	40.52	110.35	39.42	111.66	39.81	112.66	40.13
	43	78.23	28.79	92.35	33.72	106.47	37.83	108.45	42.54	109.20	41.53	110.49	41.87	112.05	42.07
	46	78.23	30.04	92.35	35.19	106.47	39.48	106.28	44.40	107.01	43.14	107.17	43.28	107.57	43.27
	48	78.23	31.09	92.35	36.42	106.47	40.86	105.52	45.95	105.92	44.65	106.07	45.14	105.33	45.22
	50	78.23	32.36	92.35	37.90	106.47	42.52	105.19	47.82	104.83	46.52	104.96	46.90	104.21	47.03

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	73.75	12.71	87.06	14.88	100.38	16.70	106.50	18.15	115.95	18.33	124.11	18.51	129.05	18.69
	12	73.75	12.94	87.06	15.15	100.38	17.00	106.50	18.48	115.95	18.66	124.11	18.85	127.91	19.03
	14	73.75	13.17	87.06	15.42	100.38	17.31	106.50	18.81	115.95	19.00	123.00	19.19	126.77	19.37
	16	73.75	13.40	87.06	15.69	100.38	17.61	106.50	19.14	115.95	19.33	121.89	19.52	125.63	19.71
	18	73.75	13.63	87.06	15.97	100.38	17.91	106.50	19.47	115.95	19.66	120.79	19.86	124.48	20.05
	19	73.75	13.86	87.06	16.24	100.38	18.22	106.50	19.80	115.95	20.00	119.68	20.20	123.34	20.39
	21	73.75	14.09	87.06	16.51	100.38	18.52	106.50	20.13	115.95	20.33	118.57	20.53	122.20	20.73
	23	73.75	14.32	87.06	16.78	100.38	18.82	106.50	20.46	115.95	20.66	117.46	20.87	121.06	21.07
	25	73.75	14.78	87.06	17.32	100.38	19.43	106.50	21.12	114.87	21.33	116.35	21.54	119.92	21.75
	27	73.75	15.02	87.06	17.59	100.38	19.73	106.50	21.45	113.78	21.66	115.25	21.88	118.77	22.09
	29	73.75	18.48	87.06	21.65	100.38	24.29	106.50	26.40	112.70	26.66	114.14	26.93	117.63	27.19
	31	73.75	20.79	87.06	24.35	100.38	27.32	106.50	29.70	111.61	30.00	113.03	30.29	116.49	30.59
	33	73.75	21.95	87.06	25.71	100.38	28.84	106.50	31.35	109.45	31.66	111.92	31.98	115.35	32.29
	35	73.75	23.10	87.06	27.06	100.38	30.36	106.50	33.00	108.36	33.33	110.81	33.66	114.21	33.99
	37	73.75	24.11	87.06	28.24	100.38	31.68	104.37	34.44	106.20	34.62	107.49	34.79	109.64	34.96
90%	39	73.75	24.95	87.06	29.22	100.38	32.79	103.62	35.64	105.11	35.83	106.38	36.29	107.35	36.54
	41	73.75	25.96	87.06	30.42	100.38	34.12	103.31	37.09	104.03	37.33	105.27	37.70	106.21	38.00
	43	73.75	27.26	87.06	31.93	100.38	35.82	102.24	38.94	102.95	39.33	104.16	39.65	105.64	39.84
	46	73.75	28.45	87.06	33.32	100.38	37.39	100.20	40.64	100.89	40.85	101.04	40.98	101.41	40.98
	48	73.75	29.44	87.06	34.49	100.38	38.69	99.48	42.06	99.86	42.28	100.00	42.74	99.30	42.82
	50	73.75	30.64	87.06	35.89	100.38	40.27	99.17	43.77	98.83	44.05	98.96	44.41	98.25	44.54
	10	66.38	10.66	78.36	12.49	90.34	14.02	95.85	15.76	104.35	15.39	111.70	15.54	116.15	15.69
	12	66.38	10.86	78.36	12.72	90.34	14.27	95.85	16.05	104.35	15.67	111.70	15.82	115.12	15.98
	14	66.38	11.05	78.36	12.95	90.34	14.53	95.85	16.33	104.35	15.95	110.70	16.10	114.09	16.26
	16	66.38	11.25	78.36	13.17	90.34	14.78	95.85	16.62	104.35	16.23	109.71	16.39	113.06	16.55
	18	66.38	11.44	78.36	13.40	90.34	15.04	95.85	16.91	104.35	16.51	108.71	16.67	112.04	16.83
	19	66.38	11.63	78.36	13.63	90.34	15.29	95.85	17.19	104.35	16.79	107.71	16.95	111.01	17.12
	21	66.38	11.83	78.36	13.86	90.34	15.55	95.85	17.48	104.35	17.07	106.71	17.23	109.98	17.40
	23	66.38	12.02	78.36	14.08	90.34	15.80	95.85	17.77	104.35	17.35	105.72	17.52	108.95	17.69
	25	66.38	12.41	78.36	14.54	90.34	16.31	95.85	18.34	103.38	17.91	104.72	18.08	107.92	18.26
	27	66.38	12.60	78.36	14.76	90.34	16.56	95.85	18.63	102.40	18.19	103.72	18.37	106.90	18.55
	29	66.38	15.51	78.36	18.17	90.34	20.39	95.85	22.93	101.43	22.38	102.72	22.60	105.87	22.82
80%	31	66.38	17.45	78.36	20.44	90.34	22.94	95.85	25.79	100.45	25.18	101.73	25.43	104.84	25.68
	33	66.38	18.42	78.36	21.58	90.34	24.21	95.85	27.22	98.50	26.58	100.73	26.84	103.81	27.10
	35	66.38	19.39	78.36	22.71	90.34	25.48	95.85	28.66	97.53	27.98	99.73	28.25	102.78	28.53
	37	66.38	20.24	78.36	23.70	90.34	26.60	93.93	29.91	95.58	29.06	96.74	29.20	98.67	29.35
	39	66.38	20.94	78.36	24.53	90.34	27.52	93.26	30.95	94.60	30.08	95.74	30.46	96.62	30.67
	41	66.38	21.79	78.36	25.53	90.34	28.64	92.97	32.21	93.63	31.33	94.75	31.64	95.59	31.90
	43	66.38	22.88	78.36	26.80	90.34	30.07	92.02	33.82	92.65	33.01	93.75	33.28	95.08	33.44
	46	66.38	23.88	78.36	27.97	90.34	31.38	90.18	35.29	90.80	34.29	90.94	34.40	91.27	34.39
	48	66.38	24.71	78.36	28.95	90.34	32.48	89.53	36.52	89.87	35.49	90.00	35.88	89.37	35.95
	50	66.38	25.72	78.36	30.13	90.34	33.80	89.26	38.01	88.94	36.97	89.06	37.28	88.42	37.38
	10	59.00	8.74	69.65	10.24	80.30	11.49	85.20	12.92	92.76	12.61	99.29	12.73	103.24	12.86
	12	59.00	8.90	69.65	10.42	80.30	11.70	85.20	13.15	92.76	12.84	99.29	12.97	102.33	13.09
	14	59.00	9.06	69.65	10.61	80.30	11.90	85.20	13.39	92.76	13.07	98.40	13.20	101.41	13.33
	16	59.00	9.22	69.65	10.80	80.30	12.11	85.20	13.62	92.76	13.30	97.52	13.43	100.50	13.56
	18	59.00	9.38	69.65	10.98	80.30	12.32	85.20	13.86	92.76	13.53	96.63	13.66	99.59	13.79
	19	59.00	9.53	69.65	11.17	80.30	12.53	85.20	14.09	92.76	13.76	95.74	13.89	98.67	14.03
	21	59.00	9.69	69.65	11.35	80.30	12.74	85.20	14.33	92.76	13.99	94.86	14.12	97.76	14.26
	23	59.00	9.85	69.65	11.54	80.30	12.95	85.20	14.56	92.76	14.21	93.97	14.36	96.85	14.50
	25	59.00	10.17	69.65	11.91	80.30	13.37	85.20	15.03	91.89	14.67	93.08	14.82	95.93	14.96
	27	59.00	10.33	69.65	12.10	80.30	13.57	85.20	15.26	91.03	14.90	92.20	15.05	95.02	15.20
	29	59.00	12.71	69.65	14.89	80.30	16.71	85.20	18.79	90.16	18.34	91.31	18.52	94.11	18.70
	31	59.00	14.30	69.65	16.75	80.30	18.80	85.20	21.14	89.29	20.63	90.42	20.84	93.19	21.04
	33	59.00	15.10	69.65	17.68	80.30	19.84	85.20	22.31	87.56	21.78	89.54	22.00	92.28	22.21
	35	59.00	15.89	69.65	18.61	80.30	20.88	85.20	23.48	86.69	22.93	88.65	23.15	91.36	23.38
	37	59.00	16.58	69.65	19.43	80.30	21.79	83.50	24.51	84.96	23.81	85.99	23.93	87.71	24.05
	39	59.00	17.16	69.65	20.10	80.30	22.55	82.90	25.36	84.09	24.65	85.10	24.96	85.88	25.13
	41	59.00	17.86	69.65	20.92	80.30	23.47	82.64	26.40	83.22	25.68	84.22	25.93	84.97	26.14
	43	59.00	18.75	69.65	21.96	80.30	24.64	81.79	27.71	82.36	27.05	83.33	27.28	84.51	27.40
	46	59.00	19.57	69.65	22.92	80.30	25.72	80.16	28.92	80.71	28.10	80.83	28.19	81.13	28.19
	48	59.00	20.25	69.65	23.72	80.30	26.61	79.58	29.93	79.89	29.08	80.00	29.40	79.44	29.46
	50	59.00	21.08	69.65	24.69	80.30	27.70	79.34	31.15	79.06	30.30	79.16	30.55	78.60	30.64

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	51.63	6.95	60.94	8.14	70.26	9.13	74.55	10.27	81.16	10.03	86.88	10.13	90.34	10.23
	12	51.63	7.08	60.94	8.29	70.26	9.30	74.55	10.46	81.16	10.21	86.88	10.31	89.54	10.41
	14	51.63	7.20	60.94	8.44	70.26	9.47	74.55	10.64	81.16	10.39	86.10	10.49	88.74	10.60
	16	51.63	7.33	60.94	8.58	70.26	9.63	74.55	10.83	81.16	10.57	85.33	10.68	87.94	10.78
	18	51.63	7.45	60.94	8.73	70.26	9.80	74.55	11.02	81.16	10.76	84.55	10.86	87.14	10.97
	19	51.63	7.58	60.94	8.88	70.26	9.96	74.55	11.20	81.16	10.94	83.77	11.05	86.34	11.15
	21	51.63	7.71	60.94	9.03	70.26	10.13	74.55	11.39	81.16	11.12	83.00	11.23	85.54	11.34
	23	51.63	7.83	60.94	9.18	70.26	10.30	74.55	11.58	81.16	11.30	82.22	11.41	84.74	11.53
	25	51.63	8.09	60.94	9.47	70.26	10.63	74.55	11.95	80.41	11.67	81.45	11.78	83.94	11.90
	27	51.63	8.21	60.94	9.62	70.26	10.79	74.55	12.14	79.65	11.85	80.67	11.97	83.14	12.08
	29	51.63	10.11	60.94	11.84	70.26	13.28	74.55	14.94	78.89	14.58	79.90	14.73	82.34	14.87
	31	51.63	11.37	60.94	13.32	70.26	14.95	74.55	16.81	78.13	16.41	79.12	16.57	81.54	16.73
	33	51.63	12.00	60.94	14.06	70.26	15.78	74.55	17.74	76.61	17.32	78.34	17.49	80.74	17.66
	35	51.63	12.64	60.94	14.80	70.26	16.61	74.55	18.67	75.85	18.23	77.57	18.41	79.94	18.59
	37	51.63	13.19	60.94	15.45	70.26	17.33	73.06	19.49	74.34	18.93	75.24	19.03	76.75	19.12
	39	51.63	13.65	60.94	15.99	70.26	17.93	72.54	20.17	73.58	19.60	74.47	19.85	75.15	19.99
	41	51.63	14.20	60.94	16.64	70.26	18.67	72.31	20.99	72.82	20.42	73.69	20.62	74.35	20.79
	43	51.63	14.91	60.94	17.47	70.26	19.60	71.57	22.03	72.06	21.51	72.92	21.69	73.95	21.79
	46	51.63	15.56	60.94	18.23	70.26	20.45	70.14	23.00	70.62	22.34	70.73	22.42	70.99	22.41
	48	51.63	16.10	60.94	18.86	70.26	21.16	69.64	23.80	69.90	23.13	70.00	23.38	69.51	23.42
	50	51.63	16.76	60.94	19.63	70.26	22.02	69.42	24.77	69.18	24.09	69.27	24.29	68.77	24.36
60%	10	44.25	5.27	52.24	6.18	60.23	6.93	63.90	7.80	69.57	7.61	74.47	7.69	77.43	7.76
	12	44.25	5.37	52.24	6.29	60.23	7.06	63.90	7.94	69.57	7.75	74.47	7.83	76.75	7.90
	14	44.25	5.47	52.24	6.40	60.23	7.18	63.90	8.08	69.57	7.89	73.80	7.97	76.06	8.04
	16	44.25	5.56	52.24	6.52	60.23	7.31	63.90	8.22	69.57	8.03	73.14	8.10	75.38	8.18
	18	44.25	5.66	52.24	6.63	60.23	7.44	63.90	8.36	69.57	8.16	72.47	8.24	74.69	8.33
	19	44.25	5.75	52.24	6.74	60.23	7.56	63.90	8.50	69.57	8.30	71.81	8.38	74.01	8.47
	21	44.25	5.85	52.24	6.85	60.23	7.69	63.90	8.65	69.57	8.44	71.14	8.52	73.32	8.61
	23	44.25	5.95	52.24	6.97	60.23	7.81	63.90	8.79	69.57	8.58	70.48	8.66	72.63	8.75
	25	44.25	6.14	52.24	7.19	60.23	8.07	63.90	9.07	68.92	8.86	69.81	8.94	71.95	9.03
	27	44.25	6.23	52.24	7.30	60.23	8.19	63.90	9.21	68.27	8.99	69.15	9.08	71.26	9.17
	29	44.25	7.67	52.24	8.99	60.23	10.08	63.90	11.34	67.62	11.07	68.48	11.18	70.58	11.29
	31	44.25	8.63	52.24	10.11	60.23	11.34	63.90	12.76	66.97	12.45	67.82	12.58	69.89	12.70
	33	44.25	9.11	52.24	10.67	60.23	11.97	63.90	13.46	65.67	13.15	67.15	13.28	69.21	13.41
	35	44.25	9.59	52.24	11.23	60.23	12.60	63.90	14.17	65.02	13.84	66.49	13.97	68.52	14.11
	37	44.25	10.01	52.24	11.72	60.23	13.15	62.62	14.79	63.72	14.37	64.49	14.44	65.78	14.51
	39	44.25	10.36	52.24	12.13	60.23	13.61	62.17	15.31	63.07	14.87	63.83	15.06	64.41	15.17
	41	44.25	10.78	52.24	12.63	60.23	14.17	61.98	15.93	62.42	15.50	63.16	15.65	63.73	15.78
	43	44.25	11.32	52.24	13.26	60.23	14.87	61.34	16.72	61.77	16.33	62.50	16.46	63.38	16.54
	46	44.25	11.81	52.24	13.83	60.23	15.52	60.12	17.45	60.53	16.96	60.62	17.01	60.85	17.01
	48	44.25	12.22	52.24	14.32	60.23	16.06	59.69	18.06	59.91	17.55	60.00	17.75	59.58	17.78
	50	44.25	12.72	52.24	14.90	60.23	16.72	59.50	18.80	59.30	18.29	59.37	18.44	58.95	18.49
50%	10	36.88	3.72	43.53	4.35	50.19	4.88	53.25	5.49	57.97	5.36	62.06	5.41	64.53	5.47
	12	36.88	3.78	43.53	4.43	50.19	4.97	53.25	5.59	57.97	5.46	62.06	5.51	63.95	5.57
	14	36.88	3.85	43.53	4.51	50.19	5.06	53.25	5.69	57.97	5.56	61.50	5.61	63.38	5.67
	16	36.88	3.92	43.53	4.59	50.19	5.15	53.25	5.79	57.97	5.65	60.95	5.71	62.81	5.76
	18	36.88	3.99	43.53	4.67	50.19	5.24	53.25	5.89	57.97	5.75	60.39	5.81	62.24	5.86
	19	36.88	4.05	43.53	4.75	50.19	5.33	53.25	5.99	57.97	5.85	59.84	5.91	61.67	5.96
	21	36.88	4.12	43.53	4.83	50.19	5.42	53.25	6.09	57.97	5.95	59.29	6.00	61.10	6.06
	23	36.88	4.19	43.53	4.91	50.19	5.50	53.25	6.19	57.97	6.04	58.73	6.10	60.53	6.16
	25	36.88	4.32	43.53	5.06	50.19	5.68	53.25	6.39	57.43	6.24	58.18	6.30	59.96	6.36
	27	36.88	4.39	43.53	5.14	50.19	5.77	53.25	6.49	56.89	6.34	57.62	6.40	59.39	6.46
	29	36.88	5.40	43.53	6.33	50.19	7.10	53.25	7.99	56.35	7.80	57.07	7.87	58.82	7.95
	31	36.88	6.08	43.53	7.12	50.19	7.99	53.25	8.99	55.81	8.77	56.51	8.86	58.24	8.95
	33	36.88	6.42	43.53	7.52	50.19	8.43	53.25	9.48	54.72	9.26	55.96	9.35	57.67	9.44
	35	36.88	6.76	43.53	7.91	50.19	8.88	53.25	9.98	54.18	9.75	55.41	9.84	57.10	9.94
	37	36.88	7.05	43.53	8.26	50.19	9.27	52.19	10.42	53.10	10.12	53.74	10.17	54.82	10.22
	39	36.88	7.30	43.53	8.55	50.19	9.59	51.81	10.78	52.56	10.48	53.19	10.61	53.68	10.68
	41	36.88	7.59	43.53	8.89	50.19	9.98	51.65	11.22	52.01	10.92	52.64	11.02	53.11	11.11
	43	36.88	7.97	43.53	9.34	50.19	10.48	51.12	11.78	51.47	11.50	52.08	11.60	52.82	11.65
	46	36.88	8.32	43.53	9.74	50.19	10.93	50.10	12.29	50.44	11.94	50.52	11.98	50.71	11.98
	48	36.88	8.61	43.53	10.08	50.19	11.31	49.74	12.72	49.93	12.36	50.00	12.50	49.65	12.52
	50	36.88	8.96	43.53	10.50	50.19	11.78	49.59	13.24	49.41	12.88	49.48	12.99	49.12	13.02

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	29.50	2.95	34.83	3.45	40.15	3.87	42.60	4.35	46.38	4.25	49.64	4.29	51.62	4.33
	12	29.50	3.00	34.83	3.51	40.15	3.94	42.60	4.43	46.38	4.33	49.64	4.37	51.16	4.41
	14	29.50	3.05	34.83	3.58	40.15	4.01	42.60	4.51	46.38	4.40	49.20	4.45	50.71	4.49
	16	29.50	3.11	34.83	3.64	40.15	4.08	42.60	4.59	46.38	4.48	48.76	4.53	50.25	4.57
	18	29.50	3.16	34.83	3.70	40.15	4.15	42.60	4.67	46.38	4.56	48.31	4.60	49.79	4.65
	19	29.50	3.21	34.83	3.76	40.15	4.22	42.60	4.75	46.38	4.64	47.87	4.68	49.34	4.73
	21	29.50	3.27	34.83	3.83	40.15	4.29	42.60	4.83	46.38	4.71	47.43	4.76	48.88	4.81
	23	29.50	3.32	34.83	3.89	40.15	4.36	42.60	4.91	46.38	4.79	46.98	4.84	48.42	4.89
	25	29.50	3.43	34.83	4.01	40.15	4.50	42.60	5.07	45.95	4.94	46.54	4.99	47.97	5.04
	27	29.50	3.48	34.83	4.08	40.15	4.57	42.60	5.14	45.51	5.02	46.10	5.07	47.51	5.12
	29	29.50	4.28	34.83	5.02	40.15	5.63	42.60	6.33	45.08	6.18	45.66	6.24	47.05	6.30
	31	29.50	4.82	34.83	5.65	40.15	6.33	42.60	7.12	44.65	6.95	45.21	7.02	46.60	7.09
	33	29.50	5.09	34.83	5.96	40.15	6.69	42.60	7.52	43.78	7.34	44.77	7.41	46.14	7.49
	35	29.50	5.36	34.83	6.27	40.15	7.04	42.60	7.91	43.35	7.73	44.33	7.80	45.68	7.88
	37	29.50	5.59	34.83	6.55	40.15	7.34	41.75	8.26	42.48	8.02	43.00	8.07	43.85	8.10
	39	29.50	5.78	34.83	6.77	40.15	7.60	41.45	8.55	42.05	8.31	42.55	8.41	42.94	8.47
	41	29.50	6.02	34.83	7.05	40.15	7.91	41.32	8.90	41.61	8.65	42.11	8.74	42.48	8.81
	43	29.50	6.32	34.83	7.40	40.15	8.30	40.90	9.34	41.18	9.12	41.67	9.19	42.26	9.23
	46	29.50	6.59	34.83	7.72	40.15	8.67	40.08	9.75	40.35	9.47	40.42	9.50	40.57	9.50
	48	29.50	6.82	34.83	7.99	40.15	8.97	39.79	10.09	39.94	9.80	40.00	9.91	39.72	9.93
	50	29.50	7.10	34.83	8.32	40.15	9.33	39.67	10.50	39.53	10.21	39.58	10.29	39.30	10.32
30%	10	22.13	2.70	26.12	3.16	30.11	3.54	31.95	3.98	34.78	3.89	37.23	3.93	38.72	3.97
	12	22.13	2.74	26.12	3.21	30.11	3.61	31.95	4.06	34.78	3.96	37.23	4.00	38.37	4.04
	14	22.13	2.79	26.12	3.27	30.11	3.67	31.95	4.13	34.78	4.03	36.90	4.07	38.03	4.11
	16	22.13	2.84	26.12	3.33	30.11	3.74	31.95	4.20	34.78	4.10	36.57	4.14	37.69	4.18
	18	22.13	2.89	26.12	3.39	30.11	3.80	31.95	4.27	34.78	4.17	36.24	4.21	37.35	4.25
	19	22.13	2.94	26.12	3.44	30.11	3.86	31.95	4.35	34.78	4.24	35.90	4.28	37.00	4.33
	21	22.13	2.99	26.12	3.50	30.11	3.93	31.95	4.42	34.78	4.31	35.57	4.36	36.66	4.40
	23	22.13	3.04	26.12	3.56	30.11	3.99	31.95	4.49	34.78	4.38	35.24	4.43	36.32	4.47
	25	22.13	3.14	26.12	3.67	30.11	4.12	31.95	4.63	34.46	4.52	34.91	4.57	35.97	4.61
	27	22.13	3.19	26.12	3.73	30.11	4.19	31.95	4.71	34.13	4.60	34.57	4.64	35.63	4.69
	29	22.13	3.92	26.12	4.59	30.11	5.15	31.95	5.79	33.81	5.66	34.24	5.71	35.29	5.77
	31	22.13	4.41	26.12	5.17	30.11	5.80	31.95	6.52	33.48	6.36	33.91	6.43	34.95	6.49
	33	22.13	4.66	26.12	5.45	30.11	6.12	31.95	6.88	32.83	6.72	33.58	6.78	34.60	6.85
	35	22.13	4.90	26.12	5.74	30.11	6.44	31.95	7.24	32.51	7.07	33.24	7.14	34.26	7.21
	37	22.13	5.11	26.12	5.99	30.11	6.72	31.31	7.56	31.86	7.34	32.25	7.38	32.89	7.42
	39	22.13	5.29	26.12	6.20	30.11	6.96	31.09	7.82	31.53	7.60	31.91	7.70	32.21	7.75
	41	22.13	5.51	26.12	6.45	30.11	7.24	30.99	8.14	31.21	7.92	31.58	8.00	31.86	8.06
	43	22.13	5.78	26.12	6.77	30.11	7.60	30.67	8.55	30.88	8.34	31.25	8.41	31.69	8.45
	46	22.13	6.03	26.12	7.07	30.11	7.93	30.06	8.92	30.27	8.66	30.31	8.69	30.42	8.69
	48	22.13	6.24	26.12	7.32	30.11	8.21	29.84	9.23	29.96	8.97	30.00	9.07	29.79	9.08
	50	22.13	6.50	26.12	7.61	30.11	8.54	29.75	9.60	29.65	9.34	29.69	9.42	29.47	9.45
20%	10	14.75	1.56	17.41	1.83	20.08	2.05	21.30	2.30	23.19	2.25	24.82	2.27	25.81	2.29
	12	14.75	1.59	17.41	1.86	20.08	2.09	21.30	2.35	23.19	2.29	24.82	2.31	25.58	2.34
	14	14.75	1.62	17.41	1.89	20.08	2.12	21.30	2.39	23.19	2.33	24.60	2.35	25.35	2.38
	16	14.75	1.64	17.41	1.93	20.08	2.16	21.30	2.43	23.19	2.37	24.38	2.40	25.13	2.42
	18	14.75	1.67	17.41	1.96	20.08	2.20	21.30	2.47	23.19	2.41	24.16	2.44	24.90	2.46
	19	14.75	1.70	17.41	1.99	20.08	2.24	21.30	2.51	23.19	2.45	23.94	2.48	24.67	2.50
	21	14.75	1.73	17.41	2.03	20.08	2.27	21.30	2.56	23.19	2.50	23.71	2.52	24.44	2.54
	23	14.75	1.76	17.41	2.06	20.08	2.31	21.30	2.60	23.19	2.54	23.49	2.56	24.21	2.59
	25	14.75	1.81	17.41	2.13	20.08	2.38	21.30	2.68	22.97	2.62	23.27	2.64	23.98	2.67
	27	14.75	1.84	17.41	2.16	20.08	2.42	21.30	2.72	22.76	2.66	23.05	2.69	23.75	2.71
	29	14.75	2.27	17.41	2.66	20.08	2.98	21.30	3.35	22.54	3.27	22.83	3.30	23.53	3.34
	31	14.75	2.55	17.41	2.99	20.08	3.35	21.30	3.77	22.32	3.68	22.61	3.72	23.30	3.75
	33	14.75	2.69	17.41	3.15	20.08	3.54	21.30	3.98	21.89	3.89	22.38	3.92	23.07	3.96
	35	14.75	2.84	17.41	3.32	20.08	3.73	21.30	4.19	21.67	4.09	22.16	4.13	22.84	4.17
	37	14.75	2.96	17.41	3.47	20.08	3.89	20.87	4.37	21.24	4.25	21.50	4.27	21.93	4.29
	39	14.75	3.06	17.41	3.59	20.08	4.02	20.72	4.53	21.02	4.40	21.28	4.45	21.47	4.48
	41	14.75	3.19	17.41	3.73	20.08	4.19	20.66	4.71	20.81	4.58	21.05	4.63	21.24	4.66
	43	14.75	3.35	17.41	3.92	20.08	4.40	20.45	4.94	20.59	4.83	20.83	4.87	21.13	4.89
	46	14.75	3.49	17.41	4.09	20.08	4.59	20.04	5.16	20.18	5.01	20.21	5.03	20.28	5.03
	48	14.75	3.61	17.41	4.23	20.08	4.75	19.90	5.34	19.97	5.19	20.00	5.25	19.86	5.26
	50	14.75	3.76	17.41	4.40	20.08	4.94	19.83	5.56	19.77	5.41	19.79	5.45	19.65	5.47

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR400ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	85.04	15.06	100.39	17.64	115.74	19.79	122.80	21.94	133.70	21.72	143.11	21.94	148.80	22.16
	12	85.04	15.33	100.39	17.96	115.74	20.15	122.80	22.34	133.70	22.12	143.11	22.34	147.49	22.56
	14	85.04	15.60	100.39	18.28	115.74	20.51	122.80	22.74	133.70	22.51	141.83	22.74	146.17	22.96
	16	85.04	15.88	100.39	18.60	115.74	20.87	122.80	23.14	133.70	22.91	140.55	23.14	144.85	23.36
	18	85.04	16.15	100.39	18.92	115.74	21.23	122.80	23.54	133.70	23.30	139.27	23.54	143.54	23.77
	19	85.04	16.43	100.39	19.24	112.27	21.59	122.80	23.93	133.70	23.70	138.00	23.93	142.22	24.17
	21	85.04	16.70	100.39	19.56	115.74	21.95	122.80	24.33	133.70	24.09	136.72	24.33	140.90	24.57
	23	85.04	16.97	100.39	19.88	115.74	22.31	122.80	24.73	133.70	24.49	135.44	24.73	139.59	24.97
	25	85.04	17.52	100.39	20.52	115.74	23.03	122.80	25.53	132.45	25.28	134.16	25.53	138.27	25.78
	27	85.04	17.79	100.39	20.84	115.74	23.39	122.80	25.93	131.20	25.67	132.88	25.93	136.95	26.18
	29	85.04	21.90	100.39	25.66	115.74	28.78	122.80	31.91	129.95	31.60	131.61	31.91	135.64	32.23
	31	85.04	24.64	100.39	28.86	115.74	32.38	122.80	35.90	128.70	35.55	130.33	35.90	134.32	36.25
	33	85.04	26.01	100.39	30.47	115.74	34.18	122.80	37.90	126.20	37.52	129.05	37.90	133.00	38.27
	35	85.04	27.38	100.39	32.07	115.74	35.98	122.80	39.89	124.95	39.50	127.77	39.89	131.68	40.28
	37	85.04	28.57	100.39	33.47	115.74	37.55	120.34	41.63	122.45	41.02	123.94	41.23	126.42	41.43
	39	85.04	29.57	100.39	34.63	115.74	38.86	119.48	43.08	121.20	42.46	122.66	43.00	123.78	43.30
	41	85.04	30.77	100.39	36.05	115.74	40.44	119.12	44.84	119.95	44.24	121.38	44.68	122.47	45.04
	43	85.04	32.30	100.39	37.84	115.74	42.46	117.89	47.07	118.70	46.61	120.11	46.99	121.81	47.21
	46	85.04	33.71	100.39	39.49	115.74	44.31	115.53	49.12	116.33	48.41	116.50	48.57	116.94	48.56
	48	85.04	34.89	100.39	40.87	115.74	45.85	114.71	50.84	115.14	50.11	115.30	50.66	114.50	50.75
	50	85.04	36.31	100.39	42.53	115.74	47.72	114.35	52.91	113.95	52.20	114.10	52.63	113.28	52.78
120%	10	83.65	14.91	98.75	17.47	113.85	19.60	120.80	21.73	131.52	21.51	140.78	21.73	146.38	21.94
	12	83.65	15.18	98.75	17.78	113.85	19.95	120.80	22.12	131.52	21.91	140.78	22.12	145.08	22.34
	14	83.65	15.45	98.75	18.10	113.85	20.31	120.80	22.52	131.52	22.30	139.52	22.52	143.79	22.74
	16	83.65	15.72	98.75	18.42	113.85	20.67	120.80	22.91	131.52	22.69	138.26	22.91	142.49	23.14
	18	83.65	16.00	98.75	18.74	113.85	21.02	120.80	23.31	131.52	23.08	137.00	23.31	141.20	23.54
	19	83.65	16.27	98.75	19.05	113.85	21.38	120.80	23.70	131.52	23.47	135.75	23.70	139.90	23.93
	21	83.65	16.54	98.75	19.37	113.85	21.73	120.80	24.10	131.52	23.86	134.49	24.10	138.61	24.33
	23	83.65	16.81	98.75	19.69	113.85	22.09	120.80	24.49	131.52	24.25	133.23	24.49	137.31	24.73
	25	83.65	17.35	98.75	20.33	113.85	22.80	120.80	25.28	130.29	25.03	131.98	25.28	136.02	25.53
	27	83.65	17.62	98.75	20.64	113.85	23.16	120.80	25.68	129.06	25.43	130.72	25.68	134.72	25.93
	29	83.65	21.69	98.75	25.41	113.85	28.50	120.80	31.60	127.83	31.29	129.46	31.60	133.43	31.91
	31	83.65	24.40	98.75	28.58	113.85	32.07	120.80	35.55	126.60	35.20	128.21	35.55	132.13	35.90
	33	83.65	25.75	98.75	30.17	113.85	33.85	120.80	37.53	124.14	37.16	126.95	37.53	130.84	37.90
	35	83.65	27.11	98.75	31.76	113.85	35.63	120.80	39.50	122.91	39.12	125.69	39.50	129.54	39.89
	37	83.65	28.29	98.75	33.14	113.85	37.18	118.38	41.23	120.46	40.63	121.92	40.83	124.36	41.03
	39	83.65	29.28	98.75	34.30	113.85	38.48	117.54	42.66	119.23	42.05	120.66	42.58	121.77	42.88
	41	83.65	30.47	98.75	35.70	113.85	40.05	117.18	44.40	118.00	43.81	119.41	44.24	120.47	44.60
	43	83.65	31.99	98.75	37.47	113.85	42.04	115.97	46.61	116.77	46.16	118.15	46.54	119.82	46.75
	46	83.65	33.39	98.75	39.11	113.85	43.88	113.65	48.65	114.43	47.94	114.61	48.10	115.03	48.09
	48	83.65	34.55	98.75	40.47	113.85	45.41	112.84	50.34	113.27	49.62	113.42	50.17	112.63	50.26
	50	83.65	35.96	98.75	42.12	113.85	47.26	112.49	52.39	112.10	51.70	112.24	52.12	111.44	52.27
110%	10	82.27	14.56	97.12	17.05	111.97	19.13	118.80	21.21	129.34	21.00	138.44	21.21	143.96	21.42
	12	82.27	14.82	97.12	17.36	111.97	19.48	118.80	21.60	129.34	21.38	138.44	21.60	142.68	21.81
	14	82.27	15.08	97.12	17.67	111.97	19.83	118.80	21.98	129.34	21.77	137.21	21.98	141.41	22.20
	16	82.27	15.35	97.12	17.98	111.97	20.17	118.80	22.37	129.34	22.15	135.97	22.37	140.13	22.59
	18	82.27	15.61	97.12	18.29	111.97	20.52	118.80	22.75	129.34	22.53	134.74	22.75	138.86	22.98
	19	82.27	15.88	97.12	18.60	111.97	20.87	118.80	23.14	129.34	22.91	133.50	23.14	137.59	23.36
	21	82.27	16.14	97.12	18.91	111.97	21.22	118.80	23.52	129.34	23.29	132.26	23.52	136.31	23.75
	23	82.27	16.41	97.12	19.22	111.97	21.57	118.80	23.91	129.34	23.67	131.03	23.91	135.04	24.14
	25	82.27	16.94	97.12	19.84	111.97	22.26	118.80	24.68	128.13	24.44	129.79	24.68	133.76	24.92
	27	82.27	17.20	97.12	20.15	111.97	22.61	118.80	25.07	126.92	24.82	128.56	25.07	132.49	25.31
	29	82.27	21.17	97.12	24.80	111.97	27.83	118.80	30.85	125.71	30.55	127.32	30.85	131.22	31.15
	31	82.27	23.82	97.12	27.90	111.97	31.30	118.80	34.71	124.51	34.37	126.08	34.71	129.94	35.05
	33	82.27	25.14	97.12	29.45	111.97	33.04	118.80	36.63	122.09	36.28	124.85	36.63	128.67	36.99
	35	82.27	26.46	97.12	31.00	111.97	34.78	118.80	38.56	120.88	38.19	123.61	38.56	127.40	38.94
	37	82.27	27.62	97.12	32.35	111.97	36.30	116.42	40.24	118.46	39.66	119.90	39.86	122.30	40.05
	39	82.27	28.58	97.12	33.48	111.97	37.57	115.59	41.65	117.25	41.05	118.67	41.57	119.75	41.86
	41	82.27	29.75	97.12	34.85	111.97	39.10	115.24	43.34	116.04	42.77	117.43	43.19	118.48	43.54
	43	82.27	31.23	97.12	36.58	111.97	41.04	114.05	45.50	114.84	45.06	116.19	45.43	117.84	45.64
	46	82.27	32.59	97.12	38.18	111.97	42.83	111.77	47.49	112.54	46.80	112.71	46.95	113.13	46.94
	48	82.27	33.73	97.12	39.51	111.97	44.33	110.97	49.14	111.39	48.44	111.55	48.97	110.77	49.06
	50	82.27	35.10	97.12	41.12	111.97	46.13	110.63	51.15	110.24	50.47	110.38	50.88	109.59	51.02

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	77.56	13.78	91.56	16.15	105.56	18.11	112.00	19.69	121.94	19.89	130.52	20.08	135.72	20.28
	12	77.56	14.03	91.56	16.44	105.56	18.44	112.00	20.05	121.94	20.25	130.52	20.45	134.52	20.65
	14	77.56	14.28	91.56	16.73	105.56	18.77	112.00	20.41	121.94	20.61	129.35	20.81	133.31	21.02
	16	77.56	14.53	91.56	17.03	105.56	19.10	112.00	20.76	121.94	20.97	128.19	21.18	132.11	21.39
	18	77.56	14.79	91.56	17.32	105.56	19.43	112.00	21.12	121.94	21.33	127.02	21.54	130.91	21.76
	19	77.56	15.04	91.56	17.61	105.56	19.76	112.00	21.48	121.94	21.69	125.86	21.91	129.71	22.12
	21	77.56	15.29	91.56	17.91	105.56	20.09	112.00	21.84	121.94	22.06	124.69	22.27	128.51	22.49
	23	77.56	15.54	91.56	18.20	105.56	20.42	112.00	22.20	121.94	22.42	123.53	22.64	127.31	22.86
	25	77.56	16.04	91.56	18.79	105.56	21.08	112.00	22.91	120.80	23.14	122.36	23.37	126.11	23.60
	27	77.56	16.29	91.56	19.08	105.56	21.41	112.00	23.27	119.66	23.50	121.20	23.74	124.91	23.97
	29	77.56	20.05	91.56	23.48	105.56	26.35	112.00	28.64	118.52	28.93	120.03	29.21	123.71	29.50
	31	77.56	22.55	91.56	26.42	105.56	29.64	112.00	32.22	117.38	32.54	118.87	32.86	122.51	33.19
	33	77.56	23.81	91.56	27.89	105.56	31.29	112.00	34.01	115.10	34.35	117.70	34.69	121.30	35.03
	35	77.56	25.06	91.56	29.36	105.56	32.94	112.00	35.80	113.96	36.16	116.54	36.52	120.10	36.87
	37	77.56	26.15	91.56	30.64	105.56	34.37	109.76	37.36	111.68	37.55	113.04	37.74	115.30	37.93
	39	77.56	27.06	91.56	31.70	105.56	35.57	108.98	38.66	110.54	38.87	111.87	39.36	112.90	39.64
	41	77.56	28.17	91.56	33.00	105.56	37.02	108.64	40.24	109.40	40.50	110.71	40.90	111.70	41.23
	43	77.56	29.57	91.56	34.64	105.56	38.86	107.52	42.24	108.26	42.67	109.54	43.02	111.10	43.22
	46	77.56	30.86	91.56	36.15	105.56	40.56	105.37	44.09	106.10	44.31	106.26	44.46	106.65	44.45
	48	77.56	31.94	91.56	37.41	105.56	41.97	104.62	45.62	105.01	45.87	105.16	46.37	104.43	46.46
	50	77.56	33.24	91.56	38.94	105.56	43.68	104.29	47.48	103.93	47.79	104.07	48.18	103.32	48.32
90%	10	69.80	11.57	82.40	13.55	95.00	15.21	100.80	16.86	109.74	16.69	117.47	16.86	122.14	17.02
	12	69.80	11.78	82.40	13.80	95.00	15.48	100.80	17.16	109.74	17.00	117.47	17.16	121.06	17.33
	14	69.80	11.99	82.40	14.05	95.00	15.76	100.80	17.47	109.74	17.30	116.42	17.47	119.98	17.64
	16	69.80	12.20	82.40	14.29	95.00	16.03	100.80	17.78	109.74	17.60	115.37	17.78	118.90	17.95
	18	69.80	12.41	82.40	14.54	95.00	16.31	100.80	18.08	109.74	17.91	114.32	18.08	117.82	18.26
	19	69.80	12.62	82.40	14.78	95.00	16.59	100.80	18.39	109.74	18.21	113.27	18.39	116.74	18.57
	21	69.80	12.83	82.40	15.03	95.00	16.86	100.80	18.70	109.74	18.51	112.22	18.70	115.66	18.88
	23	69.80	13.04	82.40	15.28	95.00	17.14	100.80	19.00	109.74	18.82	111.18	19.00	114.58	19.19
	25	69.80	13.46	82.40	15.77	95.00	17.69	100.80	19.62	108.72	19.42	110.13	19.62	113.50	19.81
	27	69.80	13.67	82.40	16.02	95.00	17.97	100.80	19.92	107.69	19.73	109.08	19.92	112.42	20.12
	29	69.80	16.83	82.40	19.71	95.00	22.12	100.80	24.52	106.67	24.28	108.03	24.52	111.34	24.76
	31	69.80	18.93	82.40	22.18	95.00	24.88	100.80	27.59	105.64	27.32	106.98	27.59	110.25	27.86
	33	69.80	19.98	82.40	23.41	95.00	26.26	100.80	29.12	103.59	28.83	105.93	29.12	109.17	29.40
	35	69.80	21.04	82.40	24.64	95.00	27.65	100.80	30.65	102.56	30.35	104.88	30.65	108.09	30.95
	37	69.80	21.95	82.40	25.72	95.00	28.85	98.78	31.99	100.51	31.52	101.74	31.68	103.77	31.84
	39	69.80	22.72	82.40	26.61	95.00	29.86	98.08	33.10	99.49	32.63	100.69	33.04	101.61	33.27
	41	69.80	23.64	82.40	27.70	95.00	31.07	97.78	34.45	98.46	33.99	99.64	34.33	100.53	34.60
	43	69.80	24.82	82.40	29.08	95.00	32.62	96.77	36.17	97.44	35.81	98.59	36.11	99.99	36.28
	46	69.80	25.90	82.40	30.34	95.00	34.04	94.83	37.75	95.49	37.20	95.63	37.32	95.99	37.31
	48	69.80	26.81	82.40	31.40	95.00	35.23	94.16	39.06	94.51	38.50	94.65	38.92	93.99	39.00
	50	69.80	27.90	82.40	32.68	95.00	36.67	93.86	40.65	93.54	40.11	93.66	40.44	92.99	40.56
80%	10	62.05	9.48	73.25	11.11	84.45	12.46	89.60	13.82	97.55	13.68	104.42	13.82	108.57	13.95
	12	62.05	9.65	73.25	11.31	84.45	12.69	89.60	14.07	97.55	13.93	104.42	14.07	107.61	14.20
	14	62.05	9.83	73.25	11.51	84.45	12.91	89.60	14.32	97.55	14.18	103.48	14.32	106.65	14.46
	16	62.05	10.00	73.25	11.71	84.45	13.14	89.60	14.57	97.55	14.43	102.55	14.57	105.69	14.71
	18	62.05	10.17	73.25	11.91	84.45	13.37	89.60	14.82	97.55	14.67	101.62	14.82	104.73	14.97
	19	62.05	10.34	73.25	12.12	84.45	13.59	89.60	15.07	97.55	14.92	100.69	15.07	103.77	15.22
	21	62.05	10.52	73.25	12.32	84.45	13.82	89.60	15.32	97.55	15.17	99.75	15.32	102.81	15.47
	23	62.05	10.69	73.25	12.52	84.45	14.05	89.60	15.57	97.55	15.42	98.82	15.57	101.85	15.73
	25	62.05	11.03	73.25	12.92	84.45	14.50	89.60	16.08	96.64	15.92	97.89	16.08	100.89	16.23
	27	62.05	11.20	73.25	13.13	84.45	14.73	89.60	16.33	95.73	16.17	96.96	16.33	99.93	16.49
	29	62.05	13.79	73.25	16.15	84.45	18.12	89.60	20.09	94.81	19.90	96.03	20.09	98.97	20.29
	31	62.05	15.51	73.25	18.17	84.45	20.39	89.60	22.61	93.90	22.39	95.09	22.61	98.00	22.83
	33	62.05	16.38	73.25	19.18	84.45	21.52	89.60	23.86	92.08	23.63	94.16	23.86	97.04	24.10
	35	62.05	17.24	73.25	20.19	84.45	22.66	89.60	25.12	91.17	24.87	93.23	25.12	96.08	25.36
	37	62.05	17.99	73.25	21.07	84.45	23.64	87.81	26.21	89.34	25.83	90.43	25.96	92.24	26.09
	39	62.05	18.62	73.25	21.81	84.45	24.47	87.18	27.13	88.43	26.74	89.50	27.08	90.32	27.27
	41	62.05	19.38	73.25	22.70	84.45	25.47	86.91	28.23	87.52	27.86	88.57	28.13	89.36	28.36
	43	62.05	20.34	73.25	23.83	84.45	26.73	86.02	29.64	86.61	29.35	87.64	29.59	88.88	29.73
	46	62.05	21.23	73.25	24.87	84.45	27.90	84.30	30.93	84.88	30.48	85.01	30.58	85.32	30.58
	48	62.05	21.97	73.25	25.73	84.45	28.87	83.69	32.01	84.01	31.55	84.13	31.90	83.54	31.96
	50	62.05	22.86	73.25	26.78	84.45	30.05	83.44	33.32	83.15	32.87	83.25	33.14	82.66	33.24

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	54.29	7.54	64.09	8.83	73.89	9.91	78.40	10.99	85.36	10.88	91.36	10.99	95.00	11.09
	12	54.29	7.68	64.09	8.99	73.89	10.09	78.40	11.18	85.36	11.08	91.36	11.18	94.16	11.29
	14	54.29	7.81	64.09	9.15	73.89	10.27	78.40	11.38	85.36	11.27	90.55	11.38	93.32	11.50
	16	54.29	7.95	64.09	9.31	73.89	10.45	78.40	11.58	85.36	11.47	89.73	11.58	92.48	11.70
	18	54.29	8.09	64.09	9.47	73.89	10.63	78.40	11.78	85.36	11.67	88.92	11.78	91.64	11.90
	19	54.29	8.22	64.09	9.63	73.89	10.81	78.40	11.98	85.36	11.87	88.10	11.98	90.80	12.10
	21	54.29	8.36	64.09	9.79	73.89	10.99	78.40	12.18	85.36	12.06	87.29	12.18	89.96	12.30
	23	54.29	8.50	64.09	9.96	73.89	11.17	78.40	12.38	85.36	12.26	86.47	12.38	89.12	12.50
	25	54.29	8.77	64.09	10.28	73.89	11.53	78.40	12.78	84.56	12.66	85.65	12.78	88.28	12.91
	27	54.29	8.91	64.09	10.44	73.89	11.71	78.40	12.98	83.76	12.86	84.84	12.98	87.44	13.11
	29	54.29	10.97	64.09	12.85	73.89	14.41	78.40	15.98	82.96	15.82	84.02	15.98	86.59	16.14
	31	54.29	12.34	64.09	14.45	73.89	16.21	78.40	17.98	82.17	17.80	83.21	17.98	85.75	18.15
	33	54.29	13.02	64.09	15.25	73.89	17.11	78.40	18.97	80.57	18.79	82.39	18.97	84.91	19.16
	35	54.29	13.71	64.09	16.06	73.89	18.01	78.40	19.97	79.77	19.78	81.58	19.97	84.07	20.17
	37	54.29	14.30	64.09	16.76	73.89	18.80	76.83	20.84	78.18	20.54	79.13	20.64	80.71	20.75
	39	54.29	14.80	64.09	17.34	73.89	19.46	76.28	21.57	77.38	21.26	78.31	21.53	79.03	21.68
	41	54.29	15.41	64.09	18.05	73.89	20.25	76.05	22.45	76.58	22.15	77.50	22.37	78.19	22.55
	43	54.29	16.17	64.09	18.95	73.89	21.26	75.26	23.57	75.78	23.34	76.68	23.53	77.77	23.64
	46	54.29	16.88	64.09	19.77	73.89	22.18	73.76	24.60	74.27	24.24	74.38	24.32	74.66	24.31
	48	54.29	17.47	64.09	20.46	73.89	22.96	73.23	25.45	73.51	25.09	73.61	25.36	73.10	25.41
	50	54.29	18.18	64.09	21.30	73.89	23.89	73.01	26.49	72.75	26.14	72.85	26.35	72.32	26.43
60%	10	46.54	5.72	54.94	6.70	63.34	7.52	67.20	8.34	73.16	8.26	78.31	8.34	81.43	8.42
	12	46.54	5.83	54.94	6.82	63.34	7.66	67.20	8.49	73.16	8.41	78.31	8.49	80.71	8.57
	14	46.54	5.93	54.94	6.95	63.34	7.79	67.20	8.64	73.16	8.56	77.61	8.64	79.99	8.73
	16	46.54	6.03	54.94	7.07	63.34	7.93	67.20	8.79	73.16	8.71	76.91	8.79	79.27	8.88
	18	46.54	6.14	54.94	7.19	63.34	8.07	67.20	8.94	73.16	8.86	76.21	8.94	78.55	9.03
	19	46.54	6.24	54.94	7.31	63.34	8.20	67.20	9.10	73.16	9.01	75.52	9.10	77.83	9.18
	21	46.54	6.35	54.94	7.43	63.34	8.34	67.20	9.25	73.16	9.16	74.82	9.25	77.11	9.34
	23	46.54	6.45	54.94	7.56	63.34	8.48	67.20	9.40	73.16	9.31	74.12	9.40	76.39	9.49
	25	46.54	6.66	54.94	7.80	63.34	8.75	67.20	9.70	72.48	9.61	73.42	9.70	75.67	9.80
	27	46.54	6.76	54.94	7.92	63.34	8.89	67.20	9.85	71.79	9.76	72.72	9.85	74.94	9.95
	29	46.54	8.32	54.94	9.75	63.34	10.94	67.20	12.13	71.11	12.01	72.02	12.13	74.22	12.25
	31	46.54	9.36	54.94	10.97	63.34	12.31	67.20	13.64	70.43	13.51	71.32	13.64	73.50	13.78
	33	46.54	9.88	54.94	11.58	63.34	12.99	67.20	14.40	69.06	14.26	70.62	14.40	72.78	14.54
	35	46.54	10.40	54.94	12.19	63.34	13.67	67.20	15.16	68.38	15.01	69.92	15.16	72.06	15.31
	37	46.54	10.86	54.94	12.72	63.34	14.27	65.86	15.82	67.01	15.59	67.82	15.67	69.18	15.75
	39	46.54	11.24	54.94	13.16	63.34	14.77	65.39	16.37	66.32	16.14	67.12	16.34	67.74	16.46
	41	46.54	11.69	54.94	13.70	63.34	15.37	65.18	17.04	65.64	16.81	66.43	16.98	67.02	17.11
	43	46.54	12.28	54.94	14.38	63.34	16.13	64.51	17.89	64.96	17.71	65.73	17.86	66.66	17.94
	46	46.54	12.81	54.94	15.01	63.34	16.84	63.22	18.67	63.66	18.40	63.75	18.46	63.99	18.45
	48	46.54	13.26	54.94	15.53	63.34	17.43	62.77	19.32	63.01	19.04	63.10	19.25	62.66	19.29
	50	46.54	13.80	54.94	16.16	63.34	18.14	62.58	20.11	62.36	19.84	62.44	20.00	61.99	20.06
50%	10	38.78	4.03	45.78	4.72	52.78	5.30	56.00	5.87	60.97	5.82	65.26	5.87	67.86	5.93
	12	38.78	4.10	45.78	4.81	52.78	5.39	56.00	5.98	60.97	5.92	65.26	5.98	67.26	6.04
	14	38.78	4.18	45.78	4.89	52.78	5.49	56.00	6.09	60.97	6.03	64.68	6.09	66.66	6.15
	16	38.78	4.25	45.78	4.98	52.78	5.59	56.00	6.19	60.97	6.13	64.09	6.19	66.06	6.25
	18	38.78	4.32	45.78	5.06	52.78	5.68	56.00	6.30	60.97	6.24	63.51	6.30	65.46	6.36
	19	38.78	4.40	45.78	5.15	52.78	5.78	56.00	6.41	60.97	6.34	62.93	6.41	64.86	6.47
	21	38.78	4.47	45.78	5.24	52.78	5.88	56.00	6.51	60.97	6.45	62.35	6.51	64.26	6.58
	23	38.78	4.54	45.78	5.32	52.78	5.97	56.00	6.62	60.97	6.56	61.76	6.62	63.65	6.69
	25	38.78	4.69	45.78	5.49	52.78	6.16	56.00	6.83	60.40	6.77	61.18	6.83	63.05	6.90
	27	38.78	4.76	45.78	5.58	52.78	6.26	56.00	6.94	59.83	6.87	60.60	6.94	62.45	7.01
	29	38.78	5.86	45.78	6.87	52.78	7.71	56.00	8.54	59.26	8.46	60.02	8.54	61.85	8.63
	31	38.78	6.60	45.78	7.73	52.78	8.67	56.00	9.61	58.69	9.52	59.43	9.61	61.25	9.70
	33	38.78	6.96	45.78	8.16	52.78	9.15	56.00	10.14	57.55	10.04	58.85	10.14	60.65	10.24
	35	38.78	7.33	45.78	8.58	52.78	9.63	56.00	10.68	56.98	10.57	58.27	10.68	60.05	10.78
	37	38.78	7.65	45.78	8.96	52.78	10.05	54.88	11.14	55.84	10.98	56.52	11.04	57.65	11.09
	39	38.78	7.91	45.78	9.27	52.78	10.40	54.49	11.53	55.27	11.37	55.94	11.51	56.45	11.59
	41	38.78	8.24	45.78	9.65	52.78	10.83	54.32	12.00	54.70	11.84	55.35	11.96	55.85	12.06
	43	38.78	8.65	45.78	10.13	52.78	11.36	53.76	12.60	54.13	12.48	54.77	12.58	55.55	12.64
	46	38.78	9.02	45.78	10.57	52.78	11.86	52.68	13.15	53.05	12.96	53.13	13.00	53.33	13.00
	48	38.78	9.34	45.78	10.94	52.78	12.27	52.31	13.61	52.51	13.41	52.58	13.56	52.21	13.59
	50	38.78	9.72	45.78	11.39	52.78	12.77	52.15	14.16	51.97	13.97	52.03	14.09	51.66	14.13

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	31.02	3.20	36.62	3.74	42.22	4.20	44.80	4.66	48.77	4.61	52.21	4.66	54.29	4.70
	12	31.02	3.25	36.62	3.81	42.22	4.28	44.80	4.74	48.77	4.69	52.21	4.74	53.81	4.79
	14	31.02	3.31	36.62	3.88	42.22	4.35	44.80	4.83	48.77	4.78	51.74	4.83	53.33	4.87
	16	31.02	3.37	36.62	3.95	42.22	4.43	44.80	4.91	48.77	4.86	51.28	4.91	52.85	4.96
	18	31.02	3.43	36.62	4.02	42.22	4.50	44.80	4.99	48.77	4.95	50.81	4.99	52.36	5.04
	19	31.02	3.49	36.62	4.08	42.22	4.58	44.80	5.08	48.77	5.03	50.34	5.08	51.88	5.13
	21	31.02	3.54	36.62	4.15	42.22	4.66	44.80	5.16	48.77	5.11	49.88	5.16	51.40	5.21
	23	31.02	3.60	36.62	4.22	42.22	4.73	44.80	5.25	48.77	5.20	49.41	5.25	50.92	5.30
	25	31.02	3.72	36.62	4.36	42.22	4.89	44.80	5.42	48.32	5.36	48.95	5.42	50.44	5.47
	27	31.02	3.78	36.62	4.42	42.22	4.96	44.80	5.50	47.86	5.45	48.48	5.50	49.96	5.56
	29	31.02	4.65	36.62	5.44	42.22	6.11	44.80	6.77	47.41	6.71	48.01	6.77	49.48	6.84
	31	31.02	5.23	36.62	6.12	42.22	6.87	44.80	7.62	46.95	7.54	47.55	7.62	49.00	7.69
	33	31.02	5.52	36.62	6.46	42.22	7.25	44.80	8.04	46.04	7.96	47.08	8.04	48.52	8.12
	35	31.02	5.81	36.62	6.81	42.22	7.64	44.80	8.47	45.58	8.38	46.61	8.47	48.04	8.55
	37	31.02	6.06	36.62	7.10	42.22	7.97	43.90	8.83	44.67	8.71	45.22	8.75	46.12	8.79
	39	31.02	6.27	36.62	7.35	42.22	8.25	43.59	9.14	44.22	9.01	44.75	9.13	45.16	9.19
	41	31.02	6.53	36.62	7.65	42.22	8.58	43.46	9.51	43.76	9.39	44.28	9.48	44.68	9.56
	43	31.02	6.86	36.62	8.03	42.22	9.01	43.01	9.99	43.30	9.89	43.82	9.97	44.44	10.02
	46	31.02	7.15	36.62	8.38	42.22	9.40	42.15	10.42	42.44	10.27	42.50	10.31	42.66	10.30
	48	31.02	7.40	36.62	8.67	42.22	9.73	41.85	10.79	42.01	10.63	42.06	10.75	41.77	10.77
	50	31.02	7.71	36.62	9.03	42.22	10.13	41.72	11.23	41.57	11.08	41.63	11.17	41.33	11.20
30%	10	23.27	2.92	27.47	3.42	31.67	3.84	33.60	4.26	36.58	4.22	39.16	4.26	40.71	4.30
	12	23.27	2.98	27.47	3.49	31.67	3.91	33.60	4.34	36.58	4.30	39.16	4.34	40.35	4.38
	14	23.27	3.03	27.47	3.55	31.67	3.98	33.60	4.42	36.58	4.37	38.81	4.42	39.99	4.46
	16	23.27	3.08	27.47	3.61	31.67	4.05	33.60	4.49	36.58	4.45	38.46	4.49	39.63	4.54
	18	23.27	3.14	27.47	3.67	31.67	4.12	33.60	4.57	36.58	4.53	38.11	4.57	39.27	4.61
	19	23.27	3.19	27.47	3.74	31.67	4.19	33.60	4.65	36.58	4.60	37.76	4.65	38.91	4.69
	21	23.27	3.24	27.47	3.80	31.67	4.26	33.60	4.72	36.58	4.68	37.41	4.72	38.55	4.77
	23	23.27	3.30	27.47	3.86	31.67	4.33	33.60	4.80	36.58	4.76	37.06	4.80	38.19	4.85
	25	23.27	3.40	27.47	3.99	31.67	4.47	33.60	4.96	36.24	4.91	36.71	4.96	37.83	5.01
	27	23.27	3.46	27.47	4.05	31.67	4.54	33.60	5.03	35.90	4.99	36.36	5.03	37.47	5.08
	29	23.27	4.25	27.47	4.98	31.67	5.59	33.60	6.20	35.56	6.14	36.01	6.20	37.11	6.26
	31	23.27	4.78	27.47	5.60	31.67	6.29	33.60	6.97	35.21	6.90	35.66	6.97	36.75	7.04
	33	23.27	5.05	27.47	5.92	31.67	6.64	33.60	7.36	34.53	7.29	35.31	7.36	36.39	7.43
	35	23.27	5.32	27.47	6.23	31.67	6.99	33.60	7.75	34.19	7.67	34.96	7.75	36.03	7.82
	37	23.27	5.55	27.47	6.50	31.67	7.29	32.93	8.08	33.50	7.97	33.91	8.01	34.59	8.05
	39	23.27	5.74	27.47	6.73	31.67	7.55	32.69	8.37	33.16	8.25	33.56	8.35	33.87	8.41
	41	23.27	5.97	27.47	7.00	31.67	7.85	32.59	8.71	32.82	8.59	33.21	8.68	33.51	8.74
	43	23.27	6.27	27.47	7.35	31.67	8.24	32.26	9.14	32.48	9.05	32.86	9.12	33.33	9.17
	46	23.27	6.55	27.47	7.67	31.67	8.60	31.61	9.54	31.83	9.40	31.88	9.43	32.00	9.43
	48	23.27	6.77	27.47	7.94	31.67	8.90	31.39	9.87	31.50	9.73	31.55	9.84	31.33	9.85
	50	23.27	7.05	27.47	8.26	31.67	9.27	31.29	10.27	31.18	10.14	31.22	10.22	31.00	10.25
20%	10	15.51	1.69	18.31	1.98	21.11	2.22	22.40	2.46	24.39	2.44	26.10	2.46	27.14	2.49
	12	15.51	1.72	18.31	2.02	21.11	2.26	22.40	2.51	24.39	2.49	26.10	2.51	26.90	2.53
	14	15.51	1.75	18.31	2.05	21.11	2.30	22.40	2.55	24.39	2.53	25.87	2.55	26.66	2.58
	16	15.51	1.78	18.31	2.09	21.11	2.34	22.40	2.60	24.39	2.57	25.64	2.60	26.42	2.62
	18	15.51	1.81	18.31	2.13	21.11	2.38	22.40	2.64	24.39	2.62	25.40	2.64	26.18	2.67
	19	15.51	1.85	18.31	2.16	21.11	2.43	22.40	2.69	24.39	2.66	25.17	2.69	25.94	2.72
	21	15.51	1.88	18.31	2.20	21.11	2.47	22.40	2.73	24.39	2.71	24.94	2.73	25.70	2.76
	23	15.51	1.91	18.31	2.23	21.11	2.51	22.40	2.78	24.39	2.75	24.71	2.78	25.46	2.81
	25	15.51	1.97	18.31	2.31	21.11	2.59	22.40	2.87	24.16	2.84	24.47	2.87	25.22	2.90
	27	15.51	2.00	18.31	2.34	21.11	2.63	22.40	2.91	23.93	2.88	24.24	2.91	24.98	2.94
	29	15.51	2.46	18.31	2.88	21.11	3.23	22.40	3.59	23.70	3.55	24.01	3.59	24.74	3.62
	31	15.51	2.77	18.31	3.24	21.11	3.64	22.40	4.03	23.48	3.99	23.77	4.03	24.50	4.07
	33	15.51	2.92	18.31	3.42	21.11	3.84	22.40	4.26	23.02	4.22	23.54	4.26	24.26	4.30
	35	15.51	3.08	18.31	3.60	21.11	4.04	22.40	4.48	22.79	4.44	23.31	4.48	24.02	4.53
	37	15.51	3.21	18.31	3.76	21.11	4.22	21.95	4.68	22.34	4.61	22.61	4.63	23.06	4.65
	39	15.51	3.32	18.31	3.89	21.11	4.37	21.80	4.84	22.11	4.77	22.37	4.83	22.58	4.86
	41	15.51	3.46	18.31	4.05	21.11	4.54	21.73	5.04	21.88	4.97	22.14	5.02	22.34	5.06
	43	15.51	3.63	18.31	4.25	21.11	4.77	21.50	5.29	21.65	5.24	21.91	5.28	22.22	5.30
	46	15.51	3.79	18.31	4.44	21.11	4.98	21.07	5.52	21.22	5.44	21.25	5.46	21.33	5.46
	48	15.51	3.92	18.31	4.59	21.11	5.15	20.92	5.71	21.00	5.63	21.03	5.69	20.89	5.70
	50	15.51	4.08	18.31	4.78	21.11	5.36	20.86	5.94	20.79	5.86	20.81	5.91	20.66	5.93

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR420ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	89.22	15.52	105.32	18.18	121.42	20.40	128.83	23.07	140.26	22.39	150.13	22.61	156.11	22.84
	12	89.22	15.80	105.32	18.51	121.42	20.77	128.83	23.49	140.26	22.80	150.13	23.03	154.73	23.25
	14	89.22	16.08	105.32	18.84	121.42	21.14	128.83	23.91	140.26	23.21	148.79	23.44	153.35	23.67
	16	89.22	16.37	105.32	19.17	121.42	21.51	128.83	24.33	140.26	23.61	147.45	23.85	151.97	24.08
	18	89.22	16.65	105.32	19.50	121.42	21.88	128.83	24.75	140.26	24.02	146.11	24.26	150.58	24.50
	19	89.22	16.93	105.32	19.83	117.78	22.25	128.83	25.17	140.26	24.43	144.77	24.67	149.20	24.91
	21	89.22	17.21	105.32	20.16	121.42	22.62	128.83	25.59	140.26	24.84	143.43	25.08	147.82	25.33
	23	89.22	17.49	105.32	20.49	121.42	22.99	128.83	26.01	140.26	25.24	142.09	25.49	146.44	25.74
	25	89.22	18.06	105.32	21.15	121.42	23.73	128.83	26.85	138.95	26.06	140.75	26.31	145.06	26.57
	27	89.22	18.34	105.32	21.49	121.42	24.11	128.83	27.27	137.64	26.46	139.41	26.73	143.68	26.99
	29	89.22	22.57	105.32	26.44	121.42	29.67	128.83	33.56	136.33	32.57	138.07	32.89	142.30	33.22
	31	89.22	25.40	105.32	29.75	121.42	33.38	128.83	37.75	135.02	36.64	136.73	37.00	140.91	37.37
	33	89.22	26.81	105.32	31.40	121.42	35.23	128.83	39.85	132.40	38.68	135.39	39.06	139.53	39.44
	35	89.22	28.22	105.32	33.05	121.42	37.09	128.83	41.95	131.08	40.71	134.05	41.12	138.15	41.52
	37	89.22	29.45	105.32	34.50	121.42	38.70	126.25	43.78	128.46	42.29	130.03	42.50	132.63	42.71
	39	89.22	30.47	105.32	35.70	121.42	40.05	125.35	45.30	127.15	43.77	128.69	44.32	129.86	44.63
	41	89.22	31.72	105.32	37.15	121.42	41.68	124.97	47.15	125.84	45.60	127.35	46.05	128.48	46.42
	43	89.22	33.30	105.32	39.00	121.42	43.76	123.68	49.50	124.53	48.04	126.01	48.44	127.79	48.66
	46	89.22	34.75	105.32	40.70	121.42	45.67	121.20	51.66	122.04	49.90	122.22	50.06	122.68	50.05
	48	89.22	35.96	105.32	42.12	121.42	47.26	120.34	53.46	120.79	51.65	120.96	52.21	120.12	52.31
	50	89.22	37.43	105.32	43.84	121.42	49.19	119.97	55.64	119.55	53.81	119.70	54.25	118.84	54.40
120%	10	87.76	15.37	103.60	18.00	119.45	20.20	126.73	22.85	137.98	22.18	147.69	22.39	153.57	22.61
	12	87.76	15.65	103.60	18.33	119.45	20.57	126.73	23.26	137.98	22.58	147.69	22.80	152.21	23.03
	14	87.76	15.93	103.60	18.66	119.45	20.93	126.73	23.68	137.98	22.98	146.37	23.21	150.85	23.44
	16	87.76	16.21	103.60	18.99	119.45	21.30	126.73	24.09	137.98	23.38	145.05	23.62	149.49	23.85
	18	87.76	16.49	103.60	19.31	119.45	21.67	126.73	24.51	137.98	23.79	143.73	24.02	148.13	24.26
	19	87.76	16.77	103.60	19.64	119.45	22.04	126.73	24.92	137.98	24.19	142.41	24.43	146.77	24.67
	21	87.76	17.05	103.60	19.97	119.45	22.40	126.73	25.34	137.98	24.59	141.10	24.84	145.41	25.08
	23	87.76	17.32	103.60	20.29	119.45	22.77	126.73	25.75	137.98	25.00	139.78	25.24	144.06	25.49
	25	87.76	17.88	103.60	20.95	119.45	23.50	126.73	26.59	136.69	25.80	138.46	26.06	142.70	26.31
	27	87.76	18.16	103.60	21.28	119.45	23.87	126.73	27.00	135.40	26.21	137.14	26.47	141.34	26.73
	29	87.76	22.35	103.60	26.19	119.45	29.38	126.73	33.23	134.11	32.25	135.82	32.57	139.98	32.89
	31	87.76	25.15	103.60	29.46	119.45	33.05	126.73	37.39	132.82	36.29	134.50	36.65	138.62	37.00
	33	87.76	26.55	103.60	31.10	119.45	34.89	126.73	39.46	130.24	38.30	133.18	38.68	137.26	39.06
	35	87.76	27.94	103.60	32.73	119.45	36.73	126.73	41.54	128.95	40.32	131.86	40.72	135.90	41.12
	37	87.76	29.16	103.60	34.16	119.45	38.33	124.20	43.35	126.37	41.87	127.91	42.09	130.47	42.29
	39	87.76	30.18	103.60	35.35	119.45	39.66	123.31	44.86	125.08	43.34	126.59	43.89	127.75	44.20
	41	87.76	31.41	103.60	36.79	119.45	41.28	122.93	46.69	123.79	45.16	125.27	45.60	126.39	45.97
	43	87.76	32.97	103.60	38.63	119.45	43.34	121.66	49.02	122.50	47.58	123.95	47.97	125.71	48.19
	46	87.76	34.41	103.60	40.31	119.45	45.23	119.23	51.15	120.05	49.41	120.23	49.58	120.68	49.57
	48	87.76	35.61	103.60	41.72	119.45	46.80	118.38	52.94	118.83	51.14	118.99	51.71	118.17	51.80
	50	87.76	37.06	103.60	43.42	119.45	48.71	118.01	55.09	117.60	53.28	117.76	53.72	116.91	53.87
110%	10	86.31	15.00	101.89	17.57	117.47	19.72	124.63	22.30	135.69	21.65	145.24	21.86	151.03	22.08
	12	86.31	15.28	101.89	17.89	117.47	20.08	124.63	22.71	135.69	22.04	145.24	22.26	149.69	22.48
	14	86.31	15.55	101.89	18.21	117.47	20.44	124.63	23.11	135.69	22.43	143.95	22.66	148.35	22.88
	16	86.31	15.82	101.89	18.53	117.47	20.79	124.63	23.52	135.69	22.83	142.65	23.05	147.02	23.28
	18	86.31	16.09	101.89	18.85	117.47	21.15	124.63	23.92	135.69	23.22	141.35	23.45	145.68	23.68
	19	86.31	16.37	101.89	19.17	117.47	21.51	124.63	24.33	135.69	23.61	140.06	23.85	144.34	24.08
	21	86.31	16.64	101.89	19.49	117.47	21.87	124.63	24.74	135.69	24.01	138.76	24.25	143.01	24.48
	23	86.31	16.91	101.89	19.81	117.47	22.23	124.63	25.14	135.69	24.40	137.46	24.64	141.67	24.89
	25	86.31	17.46	101.89	20.45	117.47	22.94	124.63	25.95	134.42	25.19	136.17	25.44	140.33	25.69
	27	86.31	17.73	101.89	20.77	117.47	23.30	124.63	26.36	133.16	25.58	134.87	25.84	139.00	26.09
	29	86.31	21.82	101.89	25.56	117.47	28.68	124.63	32.44	131.89	31.49	133.57	31.80	137.66	32.11
	31	86.31	24.55	101.89	28.76	117.47	32.27	124.63	36.50	130.62	35.42	132.28	35.77	136.32	36.12
	33	86.31	25.91	101.89	30.36	117.47	34.06	124.63	38.52	128.08	37.39	130.98	37.76	134.99	38.13
	35	86.31	27.28	101.89	31.95	117.47	35.85	124.63	40.55	126.82	39.36	129.68	39.75	133.65	40.14
	37	86.31	28.47	101.89	33.35	117.47	37.41	122.14	42.32	124.28	40.88	125.79	41.08	128.31	41.29
	39	86.31	29.46	101.89	34.51	117.47	38.72	121.27	43.79	123.01	42.31	124.49	42.85	125.63	43.15
	41	86.31	30.66	101.89	35.92	117.47	40.30	120.89	45.58	121.74	44.08	123.20	44.52	124.30	44.87
	43	86.31	32.19	101.89	37.71	117.47	42.30	119.65	47.85	120.47	46.44	121.90	46.82	123.63	47.04
	46	86.31	33.59	101.89	39.35	117.47	44.15	117.26	49.94	118.06	48.24	118.24	48.40	118.68	48.39
	48	86.31	34.76	101.89	40.72	117.47	45.69	116.42	51.68	116.86	49.93	117.02	50.48	116.21	50.57
	50	86.31	36.18	101.89	42.38	117.47	47.55	116.06	53.78	115.66	52.02	115.81	52.44	114.97	52.59

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	81.37	14.21	96.06	16.64	110.74	18.67	117.50	20.30	127.93	20.50	136.93	20.70	142.38	20.90
	12	81.37	14.46	96.06	16.94	110.74	19.01	117.50	20.66	127.93	20.87	136.93	21.08	141.12	21.28
	14	81.37	14.72	96.06	17.25	110.74	19.35	117.50	21.03	127.93	21.24	135.71	21.45	139.86	21.66
	16	81.37	14.98	96.06	17.55	110.74	19.69	117.50	21.40	127.93	21.62	134.48	21.83	138.60	22.04
	18	81.37	15.24	96.06	17.85	110.74	20.03	117.50	21.77	127.93	21.99	133.26	22.21	137.34	22.42
	19	81.37	15.50	96.06	18.15	110.74	20.37	117.50	22.14	127.93	22.36	132.04	22.58	136.08	22.80
	21	81.37	15.76	96.06	18.46	110.74	20.71	117.50	22.51	127.93	22.73	130.82	22.96	134.82	23.18
	23	81.37	16.01	96.06	18.76	110.74	21.05	117.50	22.88	127.93	23.11	129.59	23.34	133.56	23.56
	25	81.37	16.53	96.06	19.37	110.74	21.73	117.50	23.62	126.73	23.85	128.37	24.09	132.30	24.32
	27	81.37	16.79	96.06	19.67	110.74	22.07	117.50	23.99	125.53	24.22	127.15	24.46	131.04	24.70
	29	81.37	20.66	96.06	24.21	110.74	27.16	117.50	29.52	124.34	29.82	125.93	30.11	129.78	30.41
	31	81.37	23.25	96.06	27.23	110.74	30.55	117.50	33.21	123.14	33.54	124.70	33.87	128.52	34.21
	33	81.37	24.54	96.06	28.75	110.74	32.25	117.50	35.06	120.75	35.41	123.48	35.76	127.26	36.11
	35	81.37	25.83	96.06	30.26	110.74	33.95	117.50	36.90	119.56	37.27	122.26	37.64	126.00	38.01
	37	81.37	26.96	96.06	31.58	110.74	35.43	115.15	38.51	117.17	38.71	118.59	38.90	120.96	39.09
	39	81.37	27.90	96.06	32.68	110.74	36.66	114.33	39.85	115.97	40.06	117.37	40.57	118.44	40.86
	41	81.37	29.03	96.06	34.01	110.74	38.16	113.98	41.48	114.77	41.74	116.15	42.15	117.18	42.49
	43	81.37	30.48	96.06	35.70	110.74	40.06	112.80	43.54	113.58	43.98	114.92	44.34	116.55	44.54
	46	81.37	31.81	96.06	37.26	110.74	41.81	110.54	45.44	111.31	45.67	111.48	45.83	111.89	45.82
	48	81.37	32.92	96.06	38.56	110.74	43.26	109.75	47.03	110.17	47.28	110.33	47.80	109.56	47.89
	50	81.37	34.26	96.06	40.13	110.74	45.03	109.42	48.94	109.04	49.25	109.18	49.66	108.39	49.80
90%	10	73.23	11.92	86.45	13.97	99.67	15.67	105.75	17.73	115.13	17.21	123.24	17.38	128.14	17.55
	12	73.23	12.14	86.45	14.22	99.67	15.96	105.75	18.05	115.13	17.52	123.24	17.69	127.01	17.87
	14	73.23	12.36	86.45	14.48	99.67	16.24	105.75	18.37	115.13	17.83	122.14	18.01	125.88	18.18
	16	73.23	12.58	86.45	14.73	99.67	16.53	105.75	18.69	115.13	18.14	121.04	18.32	124.74	18.50
	18	73.23	12.79	86.45	14.99	99.67	16.81	105.75	19.02	115.13	18.46	119.94	18.64	123.61	18.82
	19	73.23	13.01	86.45	15.24	99.67	17.10	105.75	19.34	115.13	18.77	118.84	18.96	122.47	19.14
	21	73.23	13.23	86.45	15.49	99.67	17.38	105.75	19.66	115.13	19.08	117.74	19.27	121.34	19.46
	23	73.23	13.44	86.45	15.75	99.67	17.67	105.75	19.98	115.13	19.40	116.63	19.59	120.21	19.78
	25	73.23	13.88	86.45	16.25	99.67	18.24	105.75	20.63	114.06	20.02	115.53	20.22	119.07	20.42
	27	73.23	14.09	86.45	16.51	99.67	18.52	105.75	20.95	112.98	20.33	114.43	20.54	117.94	20.74
	29	73.23	17.35	86.45	20.32	99.67	22.80	105.75	25.78	111.90	25.03	113.33	25.27	116.80	25.52
	31	73.23	19.51	86.45	22.86	99.67	25.65	105.75	29.01	110.83	28.16	112.23	28.43	115.67	28.71
	33	73.23	20.60	86.45	24.13	99.67	27.07	105.75	30.62	108.68	29.72	111.13	30.01	114.54	30.31
	35	73.23	21.68	86.45	25.40	99.67	28.50	105.75	32.23	107.60	31.28	110.03	31.59	113.40	31.90
	37	73.23	22.63	86.45	26.51	99.67	29.74	103.64	33.64	105.45	32.49	106.73	32.65	108.86	32.82
	39	73.23	23.42	86.45	27.43	99.67	30.78	102.89	34.81	104.37	33.63	105.63	34.06	106.60	34.30
	41	73.23	24.37	86.45	28.55	99.67	32.03	102.58	36.23	103.30	35.04	104.53	35.38	105.46	35.67
	43	73.23	25.58	86.45	29.97	99.67	33.62	101.52	38.03	102.22	36.91	103.43	37.22	104.90	37.39
	46	73.23	26.70	86.45	31.28	99.67	35.09	99.49	39.69	100.18	38.34	100.33	38.47	100.70	38.46
	48	73.23	27.63	86.45	32.37	99.67	36.31	98.78	41.08	99.15	39.68	99.29	40.12	98.60	40.19
	50	73.23	28.76	86.45	33.69	99.67	37.79	98.47	42.75	98.13	41.34	98.26	41.68	97.55	41.80
80%	10	65.10	9.77	76.85	11.45	88.60	12.84	94.00	14.53	102.34	14.10	109.54	14.24	113.91	14.38
	12	65.10	9.95	76.85	11.66	88.60	13.08	94.00	14.79	102.34	14.36	109.54	14.50	112.90	14.64
	14	65.10	10.13	76.85	11.86	88.60	13.31	94.00	15.06	102.34	14.61	108.57	14.76	111.89	14.90
	16	65.10	10.31	76.85	12.07	88.60	13.54	94.00	15.32	102.34	14.87	107.59	15.02	110.88	15.16
	18	65.10	10.48	76.85	12.28	88.60	13.78	94.00	15.58	102.34	15.13	106.61	15.28	109.87	15.43
	19	65.10	10.66	76.85	12.49	88.60	14.01	94.00	15.85	102.34	15.38	105.63	15.53	108.86	15.69
	21	65.10	10.84	76.85	12.70	88.60	14.24	94.00	16.11	102.34	15.64	104.65	15.79	107.86	15.95
	23	65.10	11.02	76.85	12.90	88.60	14.48	94.00	16.38	102.34	15.89	103.68	16.05	106.85	16.21
	25	65.10	11.37	76.85	13.32	88.60	14.95	94.00	16.90	101.38	16.41	102.70	16.57	105.84	16.73
	27	65.10	11.55	76.85	13.53	88.60	15.18	94.00	17.17	100.43	16.66	101.72	16.83	104.83	16.99
	29	65.10	14.21	76.85	16.65	88.60	18.68	94.00	21.13	99.47	20.51	100.74	20.71	103.82	20.92
	31	65.10	15.99	76.85	18.73	88.60	21.02	94.00	23.77	98.51	23.07	99.76	23.30	102.82	23.53
	33	65.10	16.88	76.85	19.77	88.60	22.18	94.00	25.09	96.60	24.35	98.79	24.60	101.81	24.84
	35	65.10	17.77	76.85	20.81	88.60	23.35	94.00	26.41	95.65	25.64	97.81	25.89	100.80	26.14
	37	65.10	18.54	76.85	21.72	88.60	24.37	92.12	27.56	93.73	26.63	94.87	26.76	96.77	26.89
	39	65.10	19.19	76.85	22.48	88.60	25.22	91.46	28.53	92.78	27.56	93.89	27.91	94.75	28.11
	41	65.10	19.97	76.85	23.39	88.60	26.25	91.18	29.69	91.82	28.71	92.92	29.00	93.74	29.23
	43	65.10	20.97	76.85	24.56	88.60	27.56	90.24	31.17	90.86	30.25	91.94	30.50	93.24	30.64
	46	65.10	21.88	76.85	25.63	88.60	28.76	88.44	32.53	89.05	31.42	89.18	31.52	89.51	31.52
	48	65.10	22.64	76.85	26.53	88.60	29.76	87.80	33.66	88.14	32.52	88.26	32.88	87.65	32.94
	50	65.10	23.57	76.85	27.61	88.60	30.97	87.53	35.03	87.23	33.88	87.34	34.16	86.71	34.26

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	56.96	7.77	67.24	9.10	77.52	10.21	82.25	11.55	89.55	11.21	95.85	11.32	99.67	11.43
	12	56.96	7.91	67.24	9.27	77.52	10.40	82.25	11.76	89.55	11.42	95.85	11.53	98.78	11.64
	14	56.96	8.05	67.24	9.43	77.52	10.58	82.25	11.97	89.55	11.62	95.00	11.73	97.90	11.85
	16	56.96	8.19	67.24	9.60	77.52	10.77	82.25	12.18	89.55	11.82	94.14	11.94	97.02	12.06
	18	56.96	8.34	67.24	9.76	77.52	10.96	82.25	12.39	89.55	12.03	93.28	12.15	96.14	12.27
	19	56.96	8.48	67.24	9.93	77.52	11.14	82.25	12.60	89.55	12.23	92.43	12.35	95.26	12.47
	21	56.96	8.62	67.24	10.10	77.52	11.33	82.25	12.81	89.55	12.43	91.57	12.56	94.37	12.68
	23	56.96	8.76	67.24	10.26	77.52	11.51	82.25	13.02	89.55	12.64	90.72	12.76	93.49	12.89
	25	56.96	9.04	67.24	10.59	77.52	11.88	82.25	13.44	88.71	13.05	89.86	13.18	92.61	13.30
	27	56.96	9.18	67.24	10.76	77.52	12.07	82.25	13.65	87.87	13.25	89.00	13.38	91.73	13.51
	29	56.96	11.30	67.24	13.24	77.52	14.85	82.25	16.80	87.04	16.31	88.15	16.47	90.85	16.63
	31	56.96	12.72	67.24	14.90	77.52	16.71	82.25	18.90	86.20	18.35	87.29	18.53	89.96	18.71
	33	56.96	13.42	67.24	15.72	77.52	17.64	82.25	19.95	84.53	19.37	86.44	19.56	89.08	19.75
	35	56.96	14.13	67.24	16.55	77.52	18.57	82.25	21.00	83.69	20.39	85.58	20.59	88.20	20.79
	37	56.96	14.74	67.24	17.27	77.52	19.38	80.61	21.92	82.02	21.17	83.01	21.28	84.67	21.38
	39	56.96	15.26	67.24	17.87	77.52	20.05	80.03	22.68	81.18	21.91	82.16	22.19	82.91	22.35
	41	56.96	15.88	67.24	18.60	77.52	20.87	79.78	23.61	80.34	22.83	81.30	23.06	82.03	23.24
	43	56.96	16.67	67.24	19.53	77.52	21.91	78.96	24.78	79.50	24.05	80.45	24.25	81.59	24.36
	46	56.96	17.40	67.24	20.38	77.52	22.87	77.38	25.86	77.91	24.98	78.03	25.07	78.32	25.06
	48	56.96	18.01	67.24	21.09	77.52	23.66	76.83	26.77	77.12	25.86	77.23	26.14	76.69	26.19
	50	56.96	18.74	67.24	21.95	77.52	24.63	76.59	27.86	76.32	26.94	76.42	27.16	75.87	27.24
60%	10	48.82	5.90	57.63	6.91	66.45	7.75	70.50	8.77	76.76	8.51	82.16	8.59	85.43	8.68
	12	48.82	6.01	57.63	7.03	66.45	7.89	70.50	8.93	76.76	8.66	82.16	8.75	84.67	8.84
	14	48.82	6.11	57.63	7.16	66.45	8.03	70.50	9.09	76.76	8.82	81.42	8.91	83.92	8.99
	16	48.82	6.22	57.63	7.29	66.45	8.17	70.50	9.25	76.76	8.97	80.69	9.06	83.16	9.15
	18	48.82	6.33	57.63	7.41	66.45	8.32	70.50	9.41	76.76	9.13	79.96	9.22	82.40	9.31
	19	48.82	6.43	57.63	7.54	66.45	8.46	70.50	9.56	76.76	9.28	79.22	9.38	81.65	9.47
	21	48.82	6.54	57.63	7.66	66.45	8.60	70.50	9.72	76.76	9.44	78.49	9.53	80.89	9.62
	23	48.82	6.65	57.63	7.79	66.45	8.74	70.50	9.88	76.76	9.59	77.76	9.69	80.14	9.78
	25	48.82	6.86	57.63	8.04	66.45	9.02	70.50	10.20	76.04	9.90	77.02	10.00	79.38	10.10
	27	48.82	6.97	57.63	8.17	66.45	9.16	70.50	10.36	75.32	10.06	76.29	10.16	78.62	10.26
	29	48.82	8.58	57.63	10.05	66.45	11.27	70.50	12.75	74.60	12.38	75.56	12.50	77.87	12.62
	31	48.82	9.65	57.63	11.31	66.45	12.68	70.50	14.35	73.89	13.93	74.82	14.06	77.11	14.20
	33	48.82	10.19	57.63	11.93	66.45	13.39	70.50	15.14	72.45	14.70	74.09	14.84	76.36	14.99
	35	48.82	10.72	57.63	12.56	66.45	14.09	70.50	15.94	71.73	15.47	73.36	15.63	75.60	15.78
	37	48.82	11.19	57.63	13.11	66.45	14.71	69.09	16.64	70.30	16.07	71.15	16.15	72.58	16.23
	39	48.82	11.58	57.63	13.57	66.45	15.22	68.60	17.22	69.58	16.63	70.42	16.84	71.06	16.96
	41	48.82	12.05	57.63	14.12	66.45	15.84	68.39	17.92	68.86	17.33	69.69	17.50	70.31	17.64
	43	48.82	12.65	57.63	14.82	66.45	16.63	67.68	18.81	68.15	18.26	68.95	18.41	69.93	18.49
	46	48.82	13.21	57.63	15.47	66.45	17.36	66.33	19.63	66.78	18.96	66.89	19.03	67.13	19.02
	48	48.82	13.67	57.63	16.01	66.45	17.96	65.85	20.32	66.10	19.63	66.20	19.84	65.73	19.88
	50	48.82	14.22	57.63	16.66	66.45	18.69	65.65	21.14	65.42	20.45	65.51	20.62	65.04	20.67
50%	10	40.68	4.15	48.03	4.87	55.37	5.46	58.75	6.18	63.96	5.99	68.46	6.05	71.19	6.11
	12	40.68	4.23	48.03	4.95	55.37	5.56	58.75	6.29	63.96	6.10	68.46	6.16	70.56	6.22
	14	40.68	4.31	48.03	5.04	55.37	5.66	58.75	6.40	63.96	6.21	67.85	6.27	69.93	6.34
	16	40.68	4.38	48.03	5.13	55.37	5.76	58.75	6.51	63.96	6.32	67.24	6.38	69.30	6.45
	18	40.68	4.46	48.03	5.22	55.37	5.86	58.75	6.62	63.96	6.43	66.63	6.49	68.67	6.56
	19	40.68	4.53	48.03	5.31	55.37	5.96	58.75	6.74	63.96	6.54	66.02	6.60	68.04	6.67
	21	40.68	4.61	48.03	5.40	55.37	6.06	58.75	6.85	63.96	6.65	65.41	6.71	67.41	6.78
	23	40.68	4.68	48.03	5.49	55.37	6.15	58.75	6.96	63.96	6.76	64.80	6.82	66.78	6.89
	25	40.68	4.83	48.03	5.66	55.37	6.35	58.75	7.19	63.36	6.97	64.19	7.04	66.15	7.11
	27	40.68	4.91	48.03	5.75	55.37	6.45	58.75	7.30	62.77	7.08	63.57	7.15	65.52	7.22
	29	40.68	6.04	48.03	7.08	55.37	7.94	58.75	8.98	62.17	8.72	62.96	8.81	64.89	8.89
	31	40.68	6.80	48.03	7.96	55.37	8.93	58.75	10.11	61.57	9.81	62.35	9.91	64.26	10.00
	33	40.68	7.18	48.03	8.41	55.37	9.43	58.75	10.67	60.38	10.35	61.74	10.46	63.63	10.56
	35	40.68	7.55	48.03	8.85	55.37	9.93	58.75	11.23	59.78	10.90	61.13	11.01	63.00	11.11
	37	40.68	7.88	48.03	9.23	55.37	10.36	57.58	11.72	58.58	11.32	59.30	11.38	60.48	11.43
	39	40.68	8.16	48.03	9.56	55.37	10.72	57.16	12.13	57.98	11.72	58.68	11.86	59.22	11.95
	41	40.68	8.49	48.03	9.95	55.37	11.16	56.99	12.62	57.39	12.21	58.07	12.33	58.59	12.43
	43	40.68	8.91	48.03	10.44	55.37	11.71	56.40	13.25	56.79	12.86	57.46	12.97	58.28	13.03
	46	40.68	9.30	48.03	10.90	55.37	12.22	55.27	13.83	55.65	13.36	55.74	13.40	55.94	13.40
	48	40.68	9.63	48.03	11.28	55.37	12.65	54.88	14.31	55.09	13.82	55.16	13.98	54.78	14.00
	50	40.68	10.02	48.03	11.74	55.37	13.17	54.71	14.89	54.52	14.40	54.59	14.52	54.20	14.56

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	32.55	3.29	38.42	3.86	44.30	4.33	47.00	4.90	51.17	4.75	54.77	4.80	56.95	4.85
	12	32.55	3.35	38.42	3.93	44.30	4.41	47.00	4.98	51.17	4.84	54.77	4.89	56.45	4.93
	14	32.55	3.41	38.42	4.00	44.30	4.49	47.00	5.07	51.17	4.92	54.28	4.97	55.94	5.02
	16	32.55	3.47	38.42	4.07	44.30	4.56	47.00	5.16	51.17	5.01	53.79	5.06	55.44	5.11
	18	32.55	3.53	38.42	4.14	44.30	4.64	47.00	5.25	51.17	5.10	53.30	5.15	54.94	5.20
	19	32.55	3.59	38.42	4.21	44.30	4.72	47.00	5.34	51.17	5.18	52.82	5.24	54.43	5.29
	21	32.55	3.65	38.42	4.28	44.30	4.80	47.00	5.43	51.17	5.27	52.33	5.32	53.93	5.37
	23	32.55	3.71	38.42	4.35	44.30	4.88	47.00	5.52	51.17	5.36	51.84	5.41	53.42	5.46
	25	32.55	3.83	38.42	4.49	44.30	5.04	47.00	5.70	50.69	5.53	51.35	5.58	52.92	5.64
	27	32.55	3.89	38.42	4.56	44.30	5.12	47.00	5.79	50.21	5.62	50.86	5.67	52.42	5.73
	29	32.55	4.79	38.42	5.61	44.30	6.30	47.00	7.12	49.74	6.91	50.37	6.98	51.91	7.05
	31	32.55	5.39	38.42	6.31	44.30	7.08	47.00	8.01	49.26	7.78	49.88	7.85	51.41	7.93
	33	32.55	5.69	38.42	6.66	44.30	7.48	47.00	8.46	48.30	8.21	49.39	8.29	50.90	8.37
	35	32.55	5.99	38.42	7.01	44.30	7.87	47.00	8.90	47.82	8.64	48.90	8.73	50.40	8.81
	37	32.55	6.25	38.42	7.32	44.30	8.21	46.06	9.29	46.87	8.97	47.44	9.02	48.38	9.06
	39	32.55	6.47	38.42	7.58	44.30	8.50	45.73	9.61	46.39	9.29	46.95	9.41	47.38	9.47
	41	32.55	6.73	38.42	7.88	44.30	8.85	45.59	10.01	45.91	9.68	46.46	9.77	46.87	9.85
	43	32.55	7.07	38.42	8.28	44.30	9.29	45.12	10.50	45.43	10.19	45.97	10.28	46.62	10.33
	46	32.55	7.37	38.42	8.64	44.30	9.69	44.22	10.96	44.52	10.59	44.59	10.62	44.76	10.62
	48	32.55	7.63	38.42	8.94	44.30	10.03	43.90	11.34	44.07	10.96	44.13	11.08	43.82	11.10
	50	32.55	7.94	38.42	9.30	44.30	10.44	43.77	11.81	43.61	11.42	43.67	11.51	43.36	11.54
30%	10	24.41	3.01	28.82	3.53	33.22	3.96	35.25	4.48	38.38	4.35	41.08	4.39	42.71	4.43
	12	24.41	3.07	28.82	3.59	33.22	4.03	35.25	4.56	38.38	4.43	41.08	4.47	42.34	4.51
	14	24.41	3.12	28.82	3.66	33.22	4.10	35.25	4.64	38.38	4.51	40.71	4.55	41.96	4.60
	16	24.41	3.18	28.82	3.72	33.22	4.18	35.25	4.72	38.38	4.59	40.35	4.63	41.58	4.68
	18	24.41	3.23	28.82	3.79	33.22	4.25	35.25	4.81	38.38	4.66	39.98	4.71	41.20	4.76
	19	24.41	3.29	28.82	3.85	33.22	4.32	35.25	4.89	38.38	4.74	39.61	4.79	40.82	4.84
	21	24.41	3.34	28.82	3.92	33.22	4.39	35.25	4.97	38.38	4.82	39.25	4.87	40.45	4.92
	23	24.41	3.40	28.82	3.98	33.22	4.46	35.25	5.05	38.38	4.90	38.88	4.95	40.07	5.00
	25	24.41	3.51	28.82	4.11	33.22	4.61	35.25	5.21	38.02	5.06	38.51	5.11	39.69	5.16
	27	24.41	3.56	28.82	4.17	33.22	4.68	35.25	5.29	37.66	5.14	38.14	5.19	39.31	5.24
	29	24.41	4.38	28.82	5.13	33.22	5.76	35.25	6.52	37.30	6.32	37.78	6.39	38.93	6.45
	31	24.41	4.93	28.82	5.78	33.22	6.48	35.25	7.33	36.94	7.11	37.41	7.19	38.56	7.26
	33	24.41	5.21	28.82	6.10	33.22	6.84	35.25	7.74	36.23	7.51	37.04	7.58	38.18	7.66
	35	24.41	5.48	28.82	6.42	33.22	7.20	35.25	8.15	35.87	7.91	36.68	7.98	37.80	8.06
	37	24.41	5.72	28.82	6.70	33.22	7.52	34.55	8.50	35.15	8.21	35.58	8.25	36.29	8.29
	39	24.41	5.92	28.82	6.93	33.22	7.78	34.30	8.80	34.79	8.50	35.21	8.61	35.53	8.67
	41	24.41	6.16	28.82	7.21	33.22	8.09	34.19	9.16	34.43	8.85	34.84	8.94	35.15	9.01
	43	24.41	6.47	28.82	7.57	33.22	8.50	33.84	9.61	34.07	9.33	34.48	9.40	34.97	9.45
	46	24.41	6.75	28.82	7.90	33.22	8.87	33.16	10.03	33.39	9.69	33.44	9.72	33.57	9.72
	48	24.41	6.98	28.82	8.18	33.22	9.18	32.93	10.38	33.05	10.03	33.10	10.14	32.87	10.16
	50	24.41	7.27	28.82	8.51	33.22	9.55	32.82	10.80	32.71	10.45	32.75	10.53	32.52	10.56
20%	10	16.27	1.74	19.21	2.04	22.15	2.29	23.50	2.59	25.59	2.52	27.39	2.54	28.48	2.57
	12	16.27	1.78	19.21	2.08	22.15	2.33	23.50	2.64	25.59	2.56	27.39	2.59	28.22	2.61
	14	16.27	1.81	19.21	2.12	22.15	2.37	23.50	2.69	25.59	2.61	27.14	2.63	27.97	2.66
	16	16.27	1.84	19.21	2.15	22.15	2.42	23.50	2.73	25.59	2.65	26.90	2.68	27.72	2.71
	18	16.27	1.87	19.21	2.19	22.15	2.46	23.50	2.78	25.59	2.70	26.65	2.73	27.47	2.75
	19	16.27	1.90	19.21	2.23	22.15	2.50	23.50	2.83	25.59	2.74	26.41	2.77	27.22	2.80
	21	16.27	1.93	19.21	2.27	22.15	2.54	23.50	2.87	25.59	2.79	26.16	2.82	26.96	2.85
	23	16.27	1.97	19.21	2.30	22.15	2.58	23.50	2.92	25.59	2.84	25.92	2.86	26.71	2.89
	25	16.27	2.03	19.21	2.38	22.15	2.67	23.50	3.02	25.35	2.93	25.67	2.96	26.46	2.99
	27	16.27	2.06	19.21	2.41	22.15	2.71	23.50	3.06	25.11	2.97	25.43	3.00	26.21	3.03
	29	16.27	2.54	19.21	2.97	22.15	3.33	23.50	3.77	24.87	3.66	25.19	3.70	25.96	3.73
	31	16.27	2.85	19.21	3.34	22.15	3.75	23.50	4.24	24.63	4.12	24.94	4.16	25.70	4.20
	33	16.27	3.01	19.21	3.53	22.15	3.96	23.50	4.48	24.15	4.35	24.70	4.39	25.45	4.43
	35	16.27	3.17	19.21	3.71	22.15	4.17	23.50	4.71	23.91	4.57	24.45	4.62	25.20	4.66
	37	16.27	3.31	19.21	3.88	22.15	4.35	23.03	4.92	23.43	4.75	23.72	4.77	24.19	4.80
	39	16.27	3.42	19.21	4.01	22.15	4.50	22.87	5.09	23.19	4.92	23.47	4.98	23.69	5.01
	41	16.27	3.56	19.21	4.17	22.15	4.68	22.80	5.30	22.95	5.12	23.23	5.17	23.44	5.21
	43	16.27	3.74	19.21	4.38	22.15	4.92	22.56	5.56	22.72	5.40	22.98	5.44	23.31	5.47
	46	16.27	3.90	19.21	4.57	22.15	5.13	22.11	5.80	22.26	5.61	22.30	5.62	22.38	5.62
	48	16.27	4.04	19.21	4.73	22.15	5.31	21.95	6.01	22.03	5.80	22.07	5.87	21.91	5.88
	50	16.27	4.20	19.21	4.93	22.15	5.53	21.88	6.25	21.81	6.04	21.84	6.09	21.68	6.11

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR440ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	93.39	15.98	110.25	18.72	127.11	21.01	134.86	24.20	146.83	23.06	157.16	23.29	163.42	23.52
	12	93.39	16.27	110.25	19.06	127.11	21.39	134.86	24.64	146.83	23.48	157.16	23.71	161.97	23.94
	14	93.39	16.56	110.25	19.40	127.11	21.77	134.86	25.08	146.83	23.90	155.76	24.14	160.53	24.37
	16	93.39	16.85	110.25	19.74	127.11	22.15	134.86	25.52	146.83	24.32	154.35	24.56	159.08	24.80
	18	93.39	17.14	110.25	20.08	127.11	22.53	134.86	25.96	146.83	24.74	152.95	24.98	157.63	25.23
	19	93.39	17.44	110.25	20.42	123.29	22.91	134.86	26.40	146.83	25.16	151.55	25.41	156.19	25.65
	21	93.39	17.73	110.25	20.76	127.11	23.30	134.86	26.84	146.83	25.58	150.15	25.83	154.74	26.08
	23	93.39	18.02	110.25	21.10	127.11	23.68	134.86	27.28	146.83	25.99	148.74	26.25	153.29	26.51
	25	93.39	18.60	110.25	21.79	127.11	24.44	134.86	28.16	145.45	26.83	147.34	27.10	151.85	27.36
	27	93.39	18.89	110.25	22.13	127.11	24.82	134.86	28.60	144.08	27.25	145.94	27.52	150.40	27.79
	29	93.39	23.25	110.25	27.23	127.11	30.55	134.86	35.20	142.71	33.54	144.53	33.87	148.96	34.21
	31	93.39	26.15	110.25	30.64	127.11	34.37	134.86	39.60	141.34	37.73	143.13	38.11	147.51	38.48
	33	93.39	27.61	110.25	32.34	127.11	36.28	134.86	41.80	138.59	39.83	141.73	40.23	146.06	40.62
	35	93.39	29.06	110.25	34.04	127.11	38.19	134.86	44.00	137.22	41.93	140.32	42.34	144.62	42.76
	37	93.39	30.33	110.25	35.52	127.11	39.86	132.16	45.92	134.48	43.55	136.11	43.77	138.83	43.98
	39	93.39	31.38	110.25	36.76	127.11	41.25	131.22	47.52	133.10	45.07	134.71	45.65	135.94	45.96
	41	93.39	32.66	110.25	38.26	127.11	42.93	130.81	49.46	131.73	46.96	133.31	47.42	134.49	47.80
	43	93.39	34.29	110.25	40.17	127.11	45.07	129.47	51.92	130.36	49.47	131.90	49.88	133.77	50.11
	46	93.39	35.78	110.25	41.92	127.11	47.03	126.88	54.19	127.75	51.38	127.95	51.56	128.42	51.54
	48	93.39	37.03	110.25	43.38	127.11	48.67	125.97	56.08	126.45	53.18	126.63	53.77	125.75	53.87
	50	93.39	38.54	110.25	45.15	127.11	50.65	125.58	58.36	125.15	55.41	125.31	55.86	124.41	56.02
120%	10	91.87	15.83	108.45	18.54	125.04	20.80	132.66	23.97	144.43	22.84	154.60	23.06	160.76	23.29
	12	91.87	16.11	108.45	18.88	125.04	21.18	132.66	24.40	144.43	23.25	154.60	23.48	159.33	23.71
	14	91.87	16.40	108.45	19.21	125.04	21.56	132.66	24.84	144.43	23.67	153.22	23.90	157.91	24.14
	16	91.87	16.69	108.45	19.55	125.04	21.94	132.66	25.27	144.43	24.08	151.84	24.32	156.49	24.56
	18	91.87	16.98	108.45	19.89	125.04	22.31	132.66	25.71	144.43	24.50	150.46	24.74	155.07	24.98
	19	91.87	17.27	108.45	20.23	125.04	22.69	132.66	26.15	144.43	24.91	149.08	25.16	153.64	25.41
	21	91.87	17.55	108.45	20.56	125.04	23.07	132.66	26.58	144.43	25.33	147.70	25.58	152.22	25.83
	23	91.87	17.84	108.45	20.90	125.04	23.45	132.66	27.02	144.43	25.74	146.32	26.00	150.80	26.25
	25	91.87	18.42	108.45	21.57	125.04	24.21	132.66	27.89	143.09	26.57	144.94	26.84	149.38	27.10
	27	91.87	18.70	108.45	21.91	125.04	24.58	132.66	28.32	141.74	26.99	143.56	27.26	147.95	27.52
	29	91.87	23.02	108.45	26.97	125.04	30.26	132.66	34.86	140.39	33.22	142.18	33.55	146.53	33.87
	31	91.87	25.90	108.45	30.34	125.04	34.04	132.66	39.22	139.04	37.37	140.80	37.74	145.11	38.11
	33	91.87	27.34	108.45	32.02	125.04	35.93	132.66	41.40	136.34	39.44	139.42	39.83	143.69	40.23
	35	91.87	28.78	108.45	33.71	125.04	37.82	132.66	43.58	134.99	41.52	138.04	41.93	142.26	42.34
	37	91.87	30.03	108.45	35.18	125.04	39.47	130.01	45.48	132.29	43.12	133.90	43.34	136.57	43.55
	39	91.87	31.08	108.45	36.41	125.04	40.85	129.08	47.06	130.94	44.63	132.52	45.20	133.73	45.52
	41	91.87	32.34	108.45	37.89	125.04	42.51	128.68	48.98	129.59	46.50	131.14	46.96	132.30	47.34
	43	91.87	33.96	108.45	39.78	125.04	44.63	127.36	51.42	128.24	48.99	129.75	49.40	131.59	49.63
	46	91.87	35.44	108.45	41.51	125.04	46.57	124.81	53.66	125.67	50.88	125.86	51.05	126.33	51.04
	48	91.87	36.67	108.45	42.96	125.04	48.20	123.92	55.53	124.39	52.67	124.56	53.25	123.70	53.35
	50	91.87	38.17	108.45	44.71	125.04	50.16	123.54	57.80	123.11	54.87	123.27	55.32	122.38	55.48
110%	10	90.35	15.45	106.66	18.10	122.97	20.31	130.47	23.40	142.04	22.29	152.04	22.51	158.10	22.73
	12	90.35	15.73	106.66	18.43	122.97	20.68	130.47	23.82	142.04	22.70	152.04	22.92	156.70	23.15
	14	90.35	16.01	106.66	18.76	122.97	21.04	130.47	24.25	142.04	23.10	150.68	23.33	155.30	23.56
	16	90.35	16.29	106.66	19.09	122.97	21.41	130.47	24.67	142.04	23.51	149.33	23.74	153.90	23.97
	18	90.35	16.57	106.66	19.42	122.97	21.78	130.47	25.10	142.04	23.91	147.97	24.15	152.50	24.39
	19	90.35	16.85	106.66	19.74	122.97	22.15	130.47	25.52	142.04	24.32	146.61	24.56	151.10	24.80
	21	90.35	17.14	106.66	20.07	122.97	22.52	130.47	25.95	142.04	24.72	145.25	24.97	149.70	25.21
	23	90.35	17.42	106.66	20.40	122.97	22.89	130.47	26.37	142.04	25.13	143.90	25.38	148.30	25.63
	25	90.35	17.98	106.66	21.06	122.97	23.63	130.47	27.22	140.72	25.94	142.54	26.20	146.90	26.45
	27	90.35	18.26	106.66	21.39	122.97	24.00	130.47	27.65	139.39	26.35	141.18	26.61	145.50	26.87
	29	90.35	22.47	106.66	26.33	122.97	29.54	130.47	34.03	138.06	32.43	139.82	32.75	144.10	33.07
	31	90.35	25.28	106.66	29.62	122.97	33.23	130.47	38.28	136.73	36.48	138.47	36.84	142.71	37.20
	33	90.35	26.69	106.66	31.26	122.97	35.07	130.47	40.41	134.08	38.51	137.11	38.89	141.31	39.27
	35	90.35	28.09	106.66	32.91	122.97	36.92	130.47	42.54	132.75	40.53	135.75	40.93	139.91	41.33
	37	90.35	29.32	106.66	34.34	122.97	38.53	127.86	44.39	130.10	42.10	131.68	42.31	134.31	42.52
	39	90.35	30.34	106.66	35.54	122.97	39.87	126.95	45.94	128.77	43.57	130.32	44.13	131.51	44.43
	41	90.35	31.57	106.66	36.99	122.97	41.50	126.55	47.81	127.44	45.40	128.96	45.84	130.11	46.21
	43	90.35	33.15	106.66	38.83	122.97	43.57	125.25	50.19	126.11	47.83	127.61	48.22	129.41	48.44
	46	90.35	34.59	106.66	40.52	122.97	45.46	122.74	52.38	123.59	49.67	123.78	49.84	124.24	49.83
	48	90.35	35.80	106.66	41.94	122.97	47.05	121.87	54.21	122.33	51.41	122.50	51.98	121.65	52.08
	50	90.35	37.26	106.66	43.65	122.97	48.97	121.49	56.42	121.07	53.57	121.23	54.01	120.36	54.16

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	85.18	14.63	100.55	17.14	115.93	19.23	123.00	20.90	133.91	21.11	143.34	21.32	149.05	21.53
	12	85.18	14.90	100.55	17.45	115.93	19.58	123.00	21.28	133.91	21.49	143.34	21.71	147.73	21.92
	14	85.18	15.16	100.55	17.76	115.93	19.93	123.00	21.66	133.91	21.88	142.06	22.09	146.41	22.31
	16	85.18	15.43	100.55	18.07	115.93	20.28	123.00	22.04	133.91	22.26	140.78	22.48	145.09	22.70
	18	85.18	15.69	100.55	18.38	115.93	20.63	123.00	22.42	133.91	22.64	139.50	22.87	143.77	23.09
	19	85.18	15.96	100.55	18.70	115.93	20.98	123.00	22.80	133.91	23.03	138.22	23.26	142.45	23.48
	21	85.18	16.23	100.55	19.01	115.93	21.33	123.00	23.18	133.91	23.41	136.94	23.64	141.13	23.88
	23	85.18	16.49	100.55	19.32	115.93	21.68	123.00	23.56	133.91	23.80	135.66	24.03	139.81	24.27
	25	85.18	17.02	100.55	19.94	115.93	22.37	123.00	24.32	132.66	24.56	134.38	24.81	138.49	25.05
	27	85.18	17.29	100.55	20.25	115.93	22.72	123.00	24.70	131.41	24.95	133.10	25.19	137.18	25.44
	29	85.18	21.28	100.55	24.93	115.93	27.97	123.00	30.40	130.16	30.70	131.82	31.01	135.86	31.31
	31	85.18	23.94	100.55	28.04	115.93	31.46	123.00	34.20	128.91	34.54	130.54	34.88	134.54	35.23
	33	85.18	25.27	100.55	29.60	115.93	33.21	123.00	36.10	126.40	36.46	129.26	36.82	133.22	37.18
	35	85.18	26.60	100.55	31.16	115.93	34.96	123.00	38.00	125.15	38.38	127.98	38.76	131.90	39.14
	37	85.18	27.76	100.55	32.52	115.93	36.48	120.54	39.66	122.65	39.86	124.14	40.06	126.62	40.26
	39	85.18	28.73	100.55	33.65	115.93	37.76	119.68	41.04	121.40	41.26	122.86	41.78	123.99	42.08
	41	85.18	29.90	100.55	35.02	115.93	39.30	119.31	42.71	120.15	42.99	121.58	43.41	122.67	43.76
	43	85.18	31.39	100.55	36.77	115.93	41.25	118.08	44.84	118.89	45.29	120.30	45.66	122.01	45.87
	46	85.18	32.76	100.55	38.37	115.93	43.05	115.72	46.80	116.52	47.04	116.69	47.19	117.13	47.18
	48	85.18	33.90	100.55	39.71	115.93	44.55	114.89	48.43	115.33	48.69	115.49	49.22	114.69	49.31
	50	85.18	35.28	100.55	41.33	115.93	46.37	114.54	50.40	114.14	50.72	114.29	51.14	113.47	51.28
90%	10	76.66	12.28	90.50	14.39	104.33	16.14	110.70	18.60	120.52	17.72	129.01	17.89	134.14	18.07
	12	76.66	12.50	90.50	14.65	104.33	16.43	110.70	18.93	120.52	18.04	129.01	18.22	132.95	18.40
	14	76.66	12.73	90.50	14.91	104.33	16.73	110.70	19.27	120.52	18.36	127.85	18.54	131.77	18.73
	16	76.66	12.95	90.50	15.17	104.33	17.02	110.70	19.61	120.52	18.69	126.70	18.87	130.58	19.06
	18	76.66	13.17	90.50	15.43	104.33	17.31	110.70	19.95	120.52	19.01	125.55	19.20	129.39	19.38
	19	76.66	13.40	90.50	15.69	104.33	17.61	110.70	20.29	120.52	19.33	124.40	19.52	128.21	19.71
	21	76.66	13.62	90.50	15.95	104.33	17.90	110.70	20.62	120.52	19.65	123.25	19.85	127.02	20.04
	23	76.66	13.84	90.50	16.22	104.33	18.19	110.70	20.96	120.52	19.97	122.09	20.17	125.83	20.37
	25	76.66	14.29	90.50	16.74	104.33	18.78	110.70	21.64	119.40	20.62	120.94	20.82	124.64	21.03
	27	76.66	14.51	90.50	17.00	104.33	19.07	110.70	21.98	118.27	20.94	119.79	21.15	123.46	21.36
	29	76.66	17.86	90.50	20.92	104.33	23.48	110.70	27.05	117.14	25.77	118.64	26.03	122.27	26.28
	31	76.66	20.10	90.50	23.54	104.33	26.41	110.70	30.43	116.02	28.99	117.49	29.28	121.08	29.57
	33	76.66	21.21	90.50	24.85	104.33	27.88	110.70	32.12	113.76	30.61	116.34	30.91	119.90	31.21
	35	76.66	22.33	90.50	26.16	104.33	29.35	110.70	33.81	112.64	32.22	115.18	32.53	118.71	32.85
	37	76.66	23.30	90.50	27.30	104.33	30.62	108.49	35.28	110.38	33.46	111.73	33.63	113.96	33.79
	39	76.66	24.11	90.50	28.25	104.33	31.69	107.71	36.52	109.26	34.63	110.58	35.07	111.59	35.32
	41	76.66	25.10	90.50	29.40	104.33	32.98	107.38	38.00	108.13	36.08	109.42	36.44	110.40	36.73
	43	76.66	26.35	90.50	30.86	104.33	34.63	106.27	39.90	107.01	38.01	108.27	38.33	109.81	38.50
	46	76.66	27.50	90.50	32.21	104.33	36.14	104.15	41.64	104.87	39.48	105.02	39.61	105.41	39.61
	48	76.66	28.45	90.50	33.33	104.33	37.40	103.40	43.09	103.80	40.87	103.94	41.32	103.22	41.39
	50	76.66	29.61	90.50	34.69	104.33	38.92	103.08	44.84	102.73	42.58	102.86	42.93	102.12	43.05
80%	10	68.14	10.06	80.44	11.79	92.74	13.23	98.40	15.24	107.13	14.52	114.67	14.66	119.24	14.81
	12	68.14	10.25	80.44	12.00	92.74	13.47	98.40	15.52	107.13	14.78	114.67	14.93	118.18	15.08
	14	68.14	10.43	80.44	12.22	92.74	13.71	98.40	15.79	107.13	15.05	113.65	15.20	117.13	15.35
	16	68.14	10.61	80.44	12.43	92.74	13.95	98.40	16.07	107.13	15.31	112.62	15.46	116.07	15.62
	18	68.14	10.80	80.44	12.65	92.74	14.19	98.40	16.35	107.13	15.58	111.60	15.73	115.02	15.88
	19	68.14	10.98	80.44	12.86	92.74	14.43	98.40	16.62	107.13	15.84	110.58	16.00	113.96	16.15
	21	68.14	11.16	80.44	13.07	92.74	14.67	98.40	16.90	107.13	16.10	109.55	16.26	112.91	16.42
	23	68.14	11.34	80.44	13.29	92.74	14.91	98.40	17.18	107.13	16.37	108.53	16.53	111.85	16.69
	25	68.14	11.71	80.44	13.72	92.74	15.39	98.40	17.73	106.13	16.90	107.50	17.06	110.80	17.23
	27	68.14	11.89	80.44	13.93	92.74	15.63	98.40	18.01	105.13	17.16	106.48	17.33	109.74	17.50
	29	68.14	14.64	80.44	17.15	92.74	19.24	98.40	22.17	104.13	21.12	105.46	21.33	108.68	21.54
	31	68.14	16.47	80.44	19.29	92.74	21.64	98.40	24.94	103.13	23.76	104.43	24.00	107.63	24.23
	33	68.14	17.38	80.44	20.36	92.74	22.85	98.40	26.32	101.12	25.08	103.41	25.33	106.57	25.58
	35	68.14	18.30	80.44	21.43	92.74	24.05	98.40	27.71	100.12	26.40	102.39	26.66	105.52	26.92
	37	68.14	19.10	80.44	22.37	92.74	25.10	96.43	28.92	98.12	27.42	99.31	27.56	101.30	27.69
	39	68.14	19.76	80.44	23.15	92.74	25.97	95.74	29.92	97.12	28.38	98.29	28.74	99.19	28.94
	41	68.14	20.57	80.44	24.09	92.74	27.03	95.45	31.14	96.12	29.57	97.27	29.86	98.13	30.10
	43	68.14	21.59	80.44	25.29	92.74	28.38	94.46	32.70	95.12	31.15	96.24	31.41	97.61	31.55
	46	68.14	22.53	80.44	26.40	92.74	29.61	92.57	34.12	93.21	32.36	93.35	32.46	93.70	32.46
	48	68.14	23.32	80.44	27.32	92.74	30.65	91.91	35.31	92.26	33.49	92.39	33.86	91.75	33.92
	50	68.14	24.27	80.44	28.43	92.74	31.90	91.63	36.75	91.31	34.89	91.43	35.18	90.77	35.28

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	59.62	8.00	70.39	9.37	81.15	10.52	86.10	12.12	93.74	11.55	100.34	11.66	104.33	11.77
	12	59.62	8.15	70.39	9.54	81.15	10.71	86.10	12.34	93.74	11.76	100.34	11.87	103.41	11.99
	14	59.62	8.29	70.39	9.71	81.15	10.90	86.10	12.56	93.74	11.97	99.44	12.08	102.49	12.20
	16	59.62	8.44	70.39	9.89	81.15	11.09	86.10	12.78	93.74	12.18	98.55	12.30	101.56	12.42
	18	59.62	8.58	70.39	10.06	81.15	11.28	86.10	13.00	93.74	12.39	97.65	12.51	100.64	12.63
	19	59.62	8.73	70.39	10.23	81.15	11.47	86.10	13.22	93.74	12.60	96.75	12.72	99.72	12.85
	21	59.62	8.88	70.39	10.40	81.15	11.66	86.10	13.44	93.74	12.81	95.86	12.93	98.79	13.06
	23	59.62	9.02	70.39	10.57	81.15	11.86	86.10	13.66	93.74	13.02	94.96	13.14	97.87	13.27
	25	59.62	9.31	70.39	10.91	81.15	12.24	86.10	14.10	92.86	13.44	94.07	13.57	96.95	13.70
	27	59.62	9.46	70.39	11.08	81.15	12.43	86.10	14.32	91.99	13.65	93.17	13.78	96.02	13.92
	29	59.62	11.64	70.39	13.63	81.15	15.30	86.10	17.63	91.11	16.79	92.27	16.96	95.10	17.13
	31	59.62	13.09	70.39	15.34	81.15	17.21	86.10	19.83	90.23	18.89	91.38	19.08	94.18	19.27
	33	59.62	13.82	70.39	16.19	81.15	18.17	86.10	20.93	88.48	19.94	90.48	20.14	93.25	20.34
	35	59.62	14.55	70.39	17.04	81.15	19.12	86.10	22.03	87.61	20.99	89.59	21.20	92.33	21.41
	37	59.62	15.18	70.39	17.79	81.15	19.96	84.38	22.99	85.85	21.80	86.90	21.91	88.64	22.02
	39	59.62	15.71	70.39	18.41	81.15	20.65	83.78	23.79	84.98	22.57	86.00	22.85	86.79	23.01
	41	59.62	16.35	70.39	19.16	81.15	21.49	83.52	24.76	84.10	23.51	85.11	23.74	85.87	23.93
	43	59.62	17.17	70.39	20.11	81.15	22.56	82.66	26.00	83.23	24.77	84.21	24.97	85.40	25.09
	46	59.62	17.92	70.39	20.99	81.15	23.55	81.00	27.13	81.56	25.73	81.69	25.81	81.99	25.81
	48	59.62	18.54	70.39	21.72	81.15	24.37	80.42	28.08	80.73	26.63	80.84	26.92	80.28	26.97
	50	59.62	19.30	70.39	22.61	81.15	25.36	80.18	29.22	79.90	27.74	80.00	27.97	79.43	28.05
60%	10	51.11	6.07	60.33	7.11	69.56	7.98	73.80	9.20	80.35	8.76	86.00	8.85	89.43	8.94
	12	51.11	6.18	60.33	7.24	69.56	8.13	73.80	9.36	80.35	8.92	86.00	9.01	88.64	9.10
	14	51.11	6.29	60.33	7.37	69.56	8.27	73.80	9.53	80.35	9.08	85.24	9.17	87.84	9.26
	16	51.11	6.40	60.33	7.50	69.56	8.42	73.80	9.70	80.35	9.24	84.47	9.33	87.05	9.42
	18	51.11	6.52	60.33	7.63	69.56	8.56	73.80	9.87	80.35	9.40	83.70	9.49	86.26	9.59
	19	51.11	6.63	60.33	7.76	69.56	8.71	73.80	10.03	80.35	9.56	82.93	9.65	85.47	9.75
	21	51.11	6.74	60.33	7.89	69.56	8.85	73.80	10.20	80.35	9.72	82.16	9.82	84.68	9.91
	23	51.11	6.85	60.33	8.02	69.56	9.00	73.80	10.37	80.35	9.88	81.40	9.98	83.89	10.07
	25	51.11	7.07	60.33	8.28	69.56	9.29	73.80	10.70	79.60	10.20	80.63	10.30	83.10	10.40
	27	51.11	7.18	60.33	8.41	69.56	9.43	73.80	10.87	78.85	10.36	79.86	10.46	82.31	10.56
	29	51.11	8.83	60.33	10.35	69.56	11.61	73.80	13.38	78.10	12.75	79.09	12.87	81.51	13.00
	31	51.11	9.94	60.33	11.64	69.56	13.06	73.80	15.05	77.34	14.34	78.32	14.48	80.72	14.62
	33	51.11	10.49	60.33	12.29	69.56	13.79	73.80	15.89	75.84	15.14	77.56	15.29	79.93	15.44
	35	51.11	11.04	60.33	12.94	69.56	14.51	73.80	16.72	75.09	15.93	76.79	16.09	79.14	16.25
	37	51.11	11.52	60.33	13.50	69.56	15.15	72.32	17.45	73.59	16.55	74.49	16.63	75.97	16.71
	39	51.11	11.93	60.33	13.97	69.56	15.67	71.81	18.06	72.84	17.13	73.72	17.35	74.39	17.47
	41	51.11	12.41	60.33	14.54	69.56	16.31	71.59	18.80	72.09	17.85	72.95	18.02	73.60	18.17
	43	51.11	13.03	60.33	15.26	69.56	17.13	70.85	19.73	71.34	18.80	72.18	18.96	73.20	19.04
	46	51.11	13.60	60.33	15.93	69.56	17.87	69.43	20.59	69.91	19.53	70.02	19.59	70.28	19.59
	48	51.11	14.07	60.33	16.49	69.56	18.50	68.94	21.31	69.20	20.21	69.29	20.43	68.81	20.47
	50	51.11	14.65	60.33	17.16	69.56	19.25	68.72	22.18	68.48	21.06	68.57	21.23	68.08	21.29
50%	10	42.59	4.28	50.28	5.01	57.96	5.62	61.50	6.48	66.96	6.17	71.67	6.23	74.52	6.30
	12	42.59	4.36	50.28	5.10	57.96	5.72	61.50	6.60	66.96	6.29	71.67	6.35	73.86	6.41
	14	42.59	4.43	50.28	5.19	57.96	5.83	61.50	6.71	66.96	6.40	71.03	6.46	73.20	6.52
	16	42.59	4.51	50.28	5.28	57.96	5.93	61.50	6.83	66.96	6.51	70.39	6.57	72.54	6.64
	18	42.59	4.59	50.28	5.38	57.96	6.03	61.50	6.95	66.96	6.62	69.75	6.69	71.88	6.75
	19	42.59	4.67	50.28	5.47	57.96	6.13	61.50	7.07	66.96	6.73	69.11	6.80	71.23	6.87
	21	42.59	4.74	50.28	5.56	57.96	6.24	61.50	7.19	66.96	6.85	68.47	6.91	70.57	6.98
	23	42.59	4.82	50.28	5.65	57.96	6.34	61.50	7.30	66.96	6.96	67.83	7.03	69.91	7.10
	25	42.59	4.98	50.28	5.83	57.96	6.54	61.50	7.54	66.33	7.18	67.19	7.25	69.25	7.33
	27	42.59	5.06	50.28	5.92	57.96	6.65	61.50	7.66	65.71	7.30	66.55	7.37	68.59	7.44
	29	42.59	6.22	50.28	7.29	57.96	8.18	61.50	9.42	65.08	8.98	65.91	9.07	67.93	9.16
	31	42.59	7.00	50.28	8.20	57.96	9.20	61.50	10.60	64.45	10.10	65.27	10.20	67.27	10.30
	33	42.59	7.39	50.28	8.66	57.96	9.71	61.50	11.19	63.20	10.66	64.63	10.77	66.61	10.87
	35	42.59	7.78	50.28	9.11	57.96	10.22	61.50	11.78	62.58	11.22	63.99	11.33	65.95	11.45
	37	42.59	8.12	50.28	9.51	57.96	10.67	60.27	12.29	61.32	11.66	62.07	11.72	63.31	11.77
	39	42.59	8.40	50.28	9.84	57.96	11.04	59.84	12.72	60.70	12.06	61.43	12.22	61.99	12.30
	41	42.59	8.74	50.28	10.24	57.96	11.49	59.66	13.24	60.07	12.57	60.79	12.69	61.33	12.80
	43	42.59	9.18	50.28	10.75	57.96	12.06	59.04	13.90	59.45	13.24	60.15	13.35	61.00	13.41
	46	42.59	9.58	50.28	11.22	57.96	12.59	57.86	14.51	58.26	13.75	58.35	13.80	58.56	13.80
	48	42.59	9.91	50.28	11.61	57.96	13.03	57.45	15.01	57.66	14.24	57.75	14.39	57.34	14.42
	50	42.59	10.32	50.28	12.09	57.96	13.56	57.27	15.62	57.07	14.83	57.14	14.95	56.73	15.00

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	34.07	3.39	40.22	3.97	46.37	4.46	49.20	5.14	53.57	4.89	57.34	4.94	59.62	4.99
	12	34.07	3.45	40.22	4.05	46.37	4.54	49.20	5.23	53.57	4.98	57.34	5.03	59.09	5.08
	14	34.07	3.51	40.22	4.12	46.37	4.62	49.20	5.32	53.57	5.07	56.82	5.12	58.56	5.17
	16	34.07	3.58	40.22	4.19	46.37	4.70	49.20	5.42	53.57	5.16	56.31	5.21	58.04	5.26
	18	34.07	3.64	40.22	4.26	46.37	4.78	49.20	5.51	53.57	5.25	55.80	5.30	57.51	5.35
	19	34.07	3.70	40.22	4.33	46.37	4.86	49.20	5.60	53.57	5.34	55.29	5.39	56.98	5.44
	21	34.07	3.76	40.22	4.41	46.37	4.94	49.20	5.70	53.57	5.43	54.78	5.48	56.45	5.53
	23	34.07	3.82	40.22	4.48	46.37	5.02	49.20	5.79	53.57	5.52	54.26	5.57	55.93	5.63
	25	34.07	3.95	40.22	4.62	46.37	5.19	49.20	5.98	53.06	5.69	53.75	5.75	55.40	5.81
	27	34.07	4.01	40.22	4.70	46.37	5.27	49.20	6.07	52.56	5.78	53.24	5.84	54.87	5.90
	29	34.07	4.93	40.22	5.78	46.37	6.48	49.20	7.47	52.06	7.12	52.73	7.19	54.34	7.26
	31	34.07	5.55	40.22	6.50	46.37	7.29	49.20	8.40	51.56	8.01	52.22	8.09	53.81	8.17
	33	34.07	5.86	40.22	6.86	46.37	7.70	49.20	8.87	50.56	8.45	51.70	8.54	53.29	8.62
	35	34.07	6.17	40.22	7.22	46.37	8.10	49.20	9.34	50.06	8.90	51.19	8.99	52.76	9.07
	37	34.07	6.44	40.22	7.54	46.37	8.46	48.22	9.74	49.06	9.24	49.66	9.29	50.65	9.33
	39	34.07	6.66	40.22	7.80	46.37	8.75	47.87	10.08	48.56	9.56	49.14	9.69	49.59	9.75
	41	34.07	6.93	40.22	8.12	46.37	9.11	47.72	10.50	48.06	9.96	48.63	10.06	49.07	10.14
	43	34.07	7.28	40.22	8.52	46.37	9.56	47.23	11.02	47.56	10.50	48.12	10.58	48.80	10.63
	46	34.07	7.59	40.22	8.90	46.37	9.98	46.29	11.50	46.61	10.90	46.68	10.94	46.85	10.94
	48	34.07	7.86	40.22	9.21	46.37	10.33	45.96	11.90	46.13	11.29	46.20	11.41	45.87	11.43
	50	34.07	8.18	40.22	9.58	46.37	10.75	45.82	12.38	45.66	11.76	45.71	11.85	45.39	11.89
30%	10	25.55	3.10	30.17	3.64	34.78	4.08	36.90	4.70	40.17	4.48	43.00	4.52	44.71	4.57
	12	25.55	3.16	30.17	3.70	34.78	4.15	36.90	4.78	40.17	4.56	43.00	4.60	44.32	4.65
	14	25.55	3.22	30.17	3.77	34.78	4.23	36.90	4.87	40.17	4.64	42.62	4.69	43.92	4.73
	16	25.55	3.27	30.17	3.83	34.78	4.30	36.90	4.96	40.17	4.72	42.23	4.77	43.53	4.82
	18	25.55	3.33	30.17	3.90	34.78	4.38	36.90	5.04	40.17	4.80	41.85	4.85	43.13	4.90
	19	25.55	3.39	30.17	3.97	34.78	4.45	36.90	5.13	40.17	4.88	41.47	4.93	42.74	4.98
	21	25.55	3.44	30.17	4.03	34.78	4.52	36.90	5.21	40.17	4.97	41.08	5.02	42.34	5.06
	23	25.55	3.50	30.17	4.10	34.78	4.60	36.90	5.30	40.17	5.05	40.70	5.10	41.94	5.15
	25	25.55	3.61	30.17	4.23	34.78	4.75	36.90	5.47	39.80	5.21	40.31	5.26	41.55	5.31
	27	25.55	3.67	30.17	4.30	34.78	4.82	36.90	5.55	39.42	5.29	39.93	5.34	41.15	5.40
	29	25.55	4.51	30.17	5.29	34.78	5.93	36.90	6.84	39.05	6.51	39.55	6.58	40.76	6.64
	31	25.55	5.08	30.17	5.95	34.78	6.67	36.90	7.69	38.67	7.33	39.16	7.40	40.36	7.47
	33	25.55	5.36	30.17	6.28	34.78	7.04	36.90	8.12	37.92	7.73	38.78	7.81	39.97	7.89
	35	25.55	5.64	30.17	6.61	34.78	7.42	36.90	8.54	37.55	8.14	38.39	8.22	39.57	8.30
	37	25.55	5.89	30.17	6.90	34.78	7.74	36.16	8.92	36.79	8.46	37.24	8.50	37.99	8.54
	39	25.55	6.09	30.17	7.14	34.78	8.01	35.90	9.23	36.42	8.75	36.86	8.86	37.20	8.93
	41	25.55	6.34	30.17	7.43	34.78	8.34	35.79	9.60	36.04	9.12	36.47	9.21	36.80	9.28
	43	25.55	6.66	30.17	7.80	34.78	8.75	35.42	10.08	35.67	9.61	36.09	9.69	36.60	9.73
	46	25.55	6.95	30.17	8.14	34.78	9.13	34.72	10.52	34.96	9.98	35.01	10.01	35.14	10.01
	48	25.55	7.19	30.17	8.42	34.78	9.45	34.47	10.89	34.60	10.33	34.65	10.44	34.41	10.46
	50	25.55	7.48	30.17	8.77	34.78	9.84	34.36	11.33	34.24	10.76	34.29	10.85	34.04	10.88
20%	10	17.04	1.80	20.11	2.10	23.19	2.36	24.60	2.72	26.78	2.59	28.67	2.62	29.81	2.64
	12	17.04	1.83	20.11	2.14	23.19	2.40	24.60	2.77	26.78	2.64	28.67	2.66	29.55	2.69
	14	17.04	1.86	20.11	2.18	23.19	2.45	24.60	2.82	26.78	2.68	28.41	2.71	29.28	2.74
	16	17.04	1.89	20.11	2.22	23.19	2.49	24.60	2.87	26.78	2.73	28.16	2.76	29.02	2.79
	18	17.04	1.93	20.11	2.26	23.19	2.53	24.60	2.92	26.78	2.78	27.90	2.81	28.75	2.83
	19	17.04	1.96	20.11	2.29	23.19	2.57	24.60	2.97	26.78	2.83	27.64	2.85	28.49	2.88
	21	17.04	1.99	20.11	2.33	23.19	2.62	24.60	3.02	26.78	2.87	27.39	2.90	28.23	2.93
	23	17.04	2.02	20.11	2.37	23.19	2.66	24.60	3.06	26.78	2.92	27.13	2.95	27.96	2.98
	25	17.04	2.09	20.11	2.45	23.19	2.75	24.60	3.16	26.53	3.01	26.88	3.04	27.70	3.07
	27	17.04	2.12	20.11	2.49	23.19	2.79	24.60	3.21	26.28	3.06	26.62	3.09	27.44	3.12
	29	17.04	2.61	20.11	3.06	23.19	3.43	24.60	3.95	26.03	3.77	26.36	3.81	27.17	3.84
	31	17.04	2.94	20.11	3.44	23.19	3.86	24.60	4.45	25.78	4.24	26.11	4.28	26.91	4.32
	33	17.04	3.10	20.11	3.63	23.19	4.08	24.60	4.70	25.28	4.47	25.85	4.52	26.64	4.56
	35	17.04	3.26	20.11	3.82	23.19	4.29	24.60	4.94	25.03	4.71	25.60	4.76	26.38	4.80
	37	17.04	3.41	20.11	3.99	23.19	4.48	24.11	5.16	24.53	4.89	24.83	4.92	25.32	4.94
	39	17.04	3.53	20.11	4.13	23.19	4.63	23.94	5.34	24.28	5.06	24.57	5.13	24.80	5.16
	41	17.04	3.67	20.11	4.30	23.19	4.82	23.86	5.56	24.03	5.28	24.32	5.33	24.53	5.37
	43	17.04	3.85	20.11	4.51	23.19	5.06	23.62	5.83	23.78	5.56	24.06	5.60	24.40	5.63
	46	17.04	4.02	20.11	4.71	23.19	5.28	23.14	6.09	23.30	5.77	23.34	5.79	23.43	5.79
	48	17.04	4.16	20.11	4.87	23.19	5.47	22.98	6.30	23.07	5.97	23.10	6.04	22.94	6.05
	50	17.04	4.33	20.11	5.07	23.19	5.69	22.91	6.56	22.83	6.23	22.86	6.28	22.69	6.29

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR460ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	98.71	16.70	116.52	19.56	134.34	21.94	142.54	23.85	155.18	24.09	166.11	24.33	172.72	24.57
	12	98.71	17.00	116.52	19.92	134.34	22.34	142.54	24.29	155.18	24.53	166.11	24.77	171.19	25.02
	14	98.71	17.30	116.52	20.27	134.34	22.74	142.54	24.72	155.18	24.97	164.62	25.21	169.66	25.46
	16	98.71	17.61	116.52	20.63	134.34	23.14	142.54	25.15	155.18	25.41	163.14	25.66	168.13	25.91
	18	98.71	17.91	116.52	20.98	134.34	23.54	142.54	25.59	155.18	25.84	161.66	26.10	166.60	26.36
	19	98.71	18.22	116.52	21.34	130.31	23.94	142.54	26.02	155.18	26.28	160.17	26.54	165.08	26.80
	21	98.71	18.52	116.52	21.69	134.34	24.34	142.54	26.46	155.18	26.72	158.69	26.98	163.55	27.25
	23	98.71	18.82	116.52	22.05	134.34	24.74	142.54	26.89	155.18	27.16	157.21	27.43	162.02	27.70
	25	98.71	19.43	116.52	22.76	134.34	25.54	142.54	27.76	153.73	28.03	155.72	28.31	160.49	28.59
	27	98.71	19.73	116.52	23.12	134.34	25.93	142.54	28.19	152.28	28.47	154.24	28.75	158.96	29.04
	29	98.71	24.29	116.52	28.45	134.34	31.92	142.54	34.70	150.83	35.04	152.76	35.39	157.43	35.74
	31	98.71	27.32	116.52	32.01	134.34	35.91	142.54	39.03	149.38	39.42	151.27	39.81	155.91	40.20
	33	98.71	28.84	116.52	33.78	134.34	37.90	142.54	41.20	146.48	41.61	149.79	42.02	154.38	42.44
	35	98.71	30.36	116.52	35.56	134.34	39.90	142.54	43.37	145.03	43.80	148.31	44.24	152.85	44.67
	37	98.71	31.68	116.52	37.11	134.34	41.64	139.69	45.26	142.13	45.49	143.86	45.72	146.73	45.95
	39	98.71	32.79	116.52	38.41	134.34	43.09	138.69	46.84	140.68	47.09	142.38	47.69	143.68	48.02
	41	98.71	34.12	116.52	39.97	134.34	44.85	138.26	48.75	139.23	49.06	140.89	49.55	142.15	49.94
	43	98.71	35.82	116.52	41.96	134.34	47.08	136.83	51.18	137.78	51.69	139.41	52.11	141.38	52.35
	46	98.71	37.38	116.52	43.79	134.34	49.13	134.10	53.41	135.02	53.68	135.23	53.86	135.73	53.85
	48	98.71	38.69	116.52	45.32	134.34	50.85	133.14	55.27	133.65	55.56	133.83	56.18	132.90	56.28
	50	98.71	40.27	116.52	47.17	134.34	52.92	132.73	57.52	132.27	57.89	132.44	58.36	131.49	58.53
120%	10	97.10	16.54	114.63	19.37	132.15	21.73	140.21	23.62	152.65	23.86	163.40	24.09	169.91	24.33
	12	97.10	16.84	114.63	19.72	132.15	22.13	140.21	24.05	152.65	24.29	163.40	24.53	168.40	24.77
	14	97.10	17.14	114.63	20.07	132.15	22.52	140.21	24.48	152.65	24.73	161.94	24.97	166.90	25.21
	16	97.10	17.44	114.63	20.43	132.15	22.92	140.21	24.91	152.65	25.16	160.48	25.41	165.39	25.66
	18	97.10	17.74	114.63	20.78	132.15	23.31	140.21	25.34	152.65	25.59	159.02	25.85	163.89	26.10
	19	97.10	18.04	114.63	21.13	132.15	23.71	140.21	25.77	152.65	26.03	157.56	26.28	162.39	26.54
	21	97.10	18.34	114.63	21.48	132.15	24.10	140.21	26.20	152.65	26.46	156.11	26.72	160.88	26.98
	23	97.10	18.64	114.63	21.83	132.15	24.50	140.21	26.63	152.65	26.89	154.65	27.16	159.38	27.43
	25	97.10	19.24	114.63	22.54	132.15	25.29	140.21	27.49	151.23	27.76	153.19	28.04	157.88	28.31
	27	97.10	19.54	114.63	22.89	132.15	25.68	140.21	27.92	149.80	28.20	151.73	28.47	156.37	28.75
	29	97.10	24.05	114.63	28.17	132.15	31.61	140.21	34.36	148.37	34.70	150.27	35.05	154.87	35.39
	31	97.10	27.06	114.63	31.70	132.15	35.56	140.21	38.65	146.95	39.04	148.81	39.43	153.37	39.81
	33	97.10	28.56	114.63	33.46	132.15	37.54	140.21	40.80	144.09	41.21	147.35	41.62	151.86	42.02
	35	97.10	30.06	114.63	35.22	132.15	39.51	140.21	42.95	142.67	43.38	145.89	43.81	150.36	44.24
	37	97.10	31.37	114.63	36.75	132.15	41.24	137.41	44.82	139.81	45.05	141.52	45.28	144.34	45.50
	39	97.10	32.47	114.63	38.03	132.15	42.67	136.43	46.38	138.39	46.63	140.06	47.22	141.34	47.55
	41	97.10	33.79	114.63	39.58	132.15	44.41	136.01	48.27	136.96	48.58	138.60	49.06	139.83	49.46
	43	97.10	35.48	114.63	41.56	132.15	46.62	134.61	50.68	135.53	51.19	137.14	51.60	139.08	51.85
	46	97.10	37.02	114.63	43.37	132.15	48.66	131.91	52.89	132.82	53.16	133.03	53.34	133.52	53.33
	48	97.10	38.31	114.63	44.88	132.15	50.35	130.97	54.73	131.47	55.02	131.65	55.63	130.74	55.73
	50	97.10	39.87	114.63	46.71	132.15	52.41	130.57	56.96	130.11	57.33	130.28	57.80	129.35	57.96
110%	10	95.49	16.14	112.73	18.91	129.96	21.21	137.89	23.06	150.13	23.29	160.69	23.52	167.09	23.75
	12	95.49	16.43	112.73	19.25	129.96	21.60	137.89	23.48	150.13	23.71	160.69	23.95	165.61	24.18
	14	95.49	16.73	112.73	19.60	129.96	21.99	137.89	23.90	150.13	24.14	159.26	24.38	164.14	24.61
	16	95.49	17.02	112.73	19.94	129.96	22.37	137.89	24.32	150.13	24.56	157.83	24.80	162.66	25.05
	18	95.49	17.32	112.73	20.28	129.96	22.76	137.89	24.74	150.13	24.98	156.39	25.23	161.18	25.48
	19	95.49	17.61	112.73	20.63	129.96	23.14	137.89	25.16	150.13	25.41	154.96	25.66	159.70	25.91
	21	95.49	17.90	112.73	20.97	129.96	23.53	137.89	25.57	150.13	25.83	153.52	26.09	158.22	26.34
	23	95.49	18.20	112.73	21.31	129.96	23.91	137.89	25.99	150.13	26.25	152.09	26.51	156.74	26.77
	25	95.49	18.78	112.73	22.00	129.96	24.69	137.89	26.83	148.72	27.10	150.65	27.37	155.26	27.64
	27	95.49	19.08	112.73	22.35	129.96	25.07	137.89	27.25	147.32	27.52	149.22	27.80	153.78	28.07
	29	95.49	23.48	112.73	27.50	129.96	30.86	137.89	33.54	145.92	33.88	147.78	34.21	152.31	34.55
	31	95.49	26.41	112.73	30.94	129.96	34.71	137.89	37.73	144.52	38.11	146.35	38.49	150.83	38.87
	33	95.49	27.88	112.73	32.66	129.96	36.64	137.89	39.83	141.71	40.23	144.91	40.63	149.35	41.02
	35	95.49	29.35	112.73	34.38	129.96	38.57	137.89	41.93	140.31	42.34	143.48	42.76	147.87	43.18
	37	95.49	30.63	112.73	35.88	129.96	40.25	135.14	43.75	137.50	43.98	139.17	44.20	141.95	44.42
	39	95.49	31.70	112.73	37.13	129.96	41.66	134.17	45.28	136.10	45.52	137.74	46.10	139.00	46.42
	41	95.49	32.99	112.73	38.64	129.96	43.35	133.76	47.12	134.69	47.43	136.30	47.90	137.52	48.28
	43	95.49	34.63	112.73	40.57	129.96	45.51	132.38	49.47	133.29	49.97	134.87	50.38	136.78	50.61
	46	95.49	36.14	112.73	42.34	129.96	47.50	129.73	51.63	130.62	51.90	130.82	52.07	131.31	52.06
	48	95.49	37.40	112.73	43.81	129.96	49.16	128.80	53.43	129.29	53.71	129.47	54.31	128.57	54.41
	50	95.49	38.92	112.73	45.60	129.96	51.16	128.41	55.61	127.96	55.96	128.13	56.42	127.20	56.58

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	90.03	15.28	106.28	17.90	122.53	20.09	130.00	21.84	141.53	22.05	151.50	22.27	157.53	22.49
	12	90.03	15.56	106.28	18.23	122.53	20.45	130.00	22.23	141.53	22.45	151.50	22.68	156.13	22.90
	14	90.03	15.84	106.28	18.56	122.53	20.82	130.00	22.63	141.53	22.86	150.14	23.08	154.74	23.31
	16	90.03	16.12	106.28	18.88	122.53	21.18	130.00	23.03	141.53	23.26	148.79	23.49	153.35	23.72
	18	90.03	16.40	106.28	19.21	122.53	21.55	130.00	23.42	141.53	23.66	147.44	23.89	151.95	24.13
	19	90.03	16.67	106.28	19.53	122.53	21.91	130.00	23.82	141.53	24.06	146.09	24.30	150.56	24.53
	21	90.03	16.95	106.28	19.86	122.53	22.28	130.00	24.22	141.53	24.46	144.73	24.70	149.16	24.94
	23	90.03	17.23	106.28	20.18	122.53	22.64	130.00	24.61	141.53	24.86	143.38	25.11	147.77	25.35
	25	90.03	17.79	106.28	20.83	122.53	23.38	130.00	25.41	140.21	25.66	142.03	25.92	146.38	26.17
	27	90.03	18.06	106.28	21.16	122.53	23.74	130.00	25.81	138.89	26.06	140.68	26.32	144.98	26.58
	29	90.03	22.23	106.28	26.04	122.53	29.22	130.00	31.76	137.57	32.08	139.32	32.40	143.59	32.71
	31	90.03	25.01	106.28	29.30	122.53	32.87	130.00	35.73	136.24	36.09	137.97	36.44	142.19	36.80
	33	90.03	26.40	106.28	30.93	122.53	34.70	130.00	37.72	133.60	38.09	136.62	38.47	140.80	38.85
	35	90.03	27.79	106.28	32.55	122.53	36.52	130.00	39.70	132.28	40.10	135.27	40.49	139.41	40.89
	37	90.03	29.00	106.28	33.97	122.53	38.12	127.40	41.43	129.63	41.64	131.21	41.85	133.83	42.06
	39	90.03	30.01	106.28	35.16	122.53	39.45	126.49	42.88	128.31	43.10	129.85	43.65	131.04	43.96
	41	90.03	31.24	106.28	36.59	122.53	41.05	126.10	44.62	126.98	44.91	128.50	45.35	129.65	45.72
	43	90.03	32.79	106.28	38.41	122.53	43.10	124.80	46.85	125.66	47.31	127.15	47.70	128.95	47.92
	46	90.03	34.22	106.28	40.09	122.53	44.98	122.30	48.89	123.15	49.14	123.33	49.30	123.79	49.29
	48	90.03	35.42	106.28	41.49	122.53	46.55	121.43	50.59	121.89	50.86	122.06	51.42	121.21	51.52
	50	90.03	36.86	106.28	43.18	122.53	48.44	121.06	52.65	120.63	52.99	120.79	53.43	119.92	53.58
90%	10	81.02	12.83	95.65	15.03	110.27	16.86	117.00	18.33	127.38	18.51	136.35	18.69	141.78	18.88
	12	81.02	13.06	95.65	15.30	110.27	17.17	117.00	18.66	127.38	18.85	136.35	19.03	140.52	19.22
	14	81.02	13.30	95.65	15.58	110.27	17.48	117.00	18.99	127.38	19.18	135.13	19.37	139.27	19.56
	16	81.02	13.53	95.65	15.85	110.27	17.78	117.00	19.33	127.38	19.52	133.91	19.71	138.01	19.91
	18	81.02	13.76	95.65	16.12	110.27	18.09	117.00	19.66	127.38	19.86	132.69	20.05	136.76	20.25
	19	81.02	14.00	95.65	16.40	110.27	18.39	117.00	19.99	127.38	20.19	131.48	20.39	135.50	20.59
	21	81.02	14.23	95.65	16.67	110.27	18.70	117.00	20.33	127.38	20.53	130.26	20.73	134.25	20.94
	23	81.02	14.46	95.65	16.94	110.27	19.01	117.00	20.66	127.38	20.87	129.04	21.07	132.99	21.28
	25	81.02	14.93	95.65	17.49	110.27	19.62	117.00	21.33	126.19	21.54	127.83	21.75	131.74	21.97
	27	81.02	15.16	95.65	17.76	110.27	19.93	117.00	21.66	125.00	21.88	126.61	22.09	130.48	22.31
	29	81.02	18.66	95.65	21.86	110.27	24.53	117.00	26.66	123.81	26.93	125.39	27.19	129.23	27.46
	31	81.02	20.99	95.65	24.59	110.27	27.59	117.00	29.99	122.62	30.29	124.17	30.59	127.97	30.89
	33	81.02	22.16	95.65	25.96	110.27	29.13	117.00	31.66	120.24	31.97	122.96	32.29	126.72	32.61
	35	81.02	23.33	95.65	27.33	110.27	30.66	117.00	33.32	119.05	33.66	121.74	33.99	125.46	34.32
	37	81.02	24.34	95.65	28.52	110.27	31.99	114.66	34.78	116.67	34.96	118.09	35.13	120.45	35.31
	39	81.02	25.19	95.65	29.51	110.27	33.11	113.84	35.99	115.48	36.18	116.87	36.64	117.94	36.90
	41	81.02	26.22	95.65	30.71	110.27	34.46	113.49	37.46	114.29	37.70	115.65	38.07	116.68	38.37
	43	81.02	27.53	95.65	32.24	110.27	36.18	112.32	39.32	113.10	39.72	114.43	40.04	116.06	40.23
	46	81.02	28.73	95.65	33.65	110.27	37.75	110.07	41.04	110.83	41.25	111.00	41.39	111.41	41.38
	48	81.02	29.73	95.65	34.82	110.27	39.07	109.29	42.47	109.70	42.69	109.86	43.16	109.09	43.24
	50	81.02	30.94	95.65	36.24	110.27	40.66	108.95	44.20	108.57	44.48	108.71	44.85	107.93	44.97
80%	10	72.02	10.51	85.02	12.32	98.02	13.82	104.00	15.02	113.23	15.17	121.20	15.32	126.02	15.47
	12	72.02	10.71	85.02	12.54	98.02	14.07	104.00	15.29	113.23	15.45	121.20	15.60	124.91	15.75
	14	72.02	10.90	85.02	12.76	98.02	14.32	104.00	15.57	113.23	15.72	120.12	15.88	123.79	16.03
	16	72.02	11.09	85.02	12.99	98.02	14.57	104.00	15.84	113.23	16.00	119.03	16.16	122.68	16.31
	18	72.02	11.28	85.02	13.21	98.02	14.82	104.00	16.11	113.23	16.27	117.95	16.43	121.56	16.60
	19	72.02	11.47	85.02	13.44	98.02	15.07	104.00	16.39	113.23	16.55	116.87	16.71	120.45	16.88
	21	72.02	11.66	85.02	13.66	98.02	15.33	104.00	16.66	113.23	16.82	115.79	16.99	119.33	17.16
	23	72.02	11.85	85.02	13.88	98.02	15.58	104.00	16.93	113.23	17.10	114.70	17.27	118.22	17.44
	25	72.02	12.23	85.02	14.33	98.02	16.08	104.00	17.48	112.17	17.65	113.62	17.83	117.10	18.00
	27	72.02	12.43	85.02	14.56	98.02	16.33	104.00	17.75	111.11	17.93	112.54	18.11	115.99	18.28
	29	72.02	15.29	85.02	17.91	98.02	20.10	104.00	21.85	110.05	22.07	111.46	22.28	114.87	22.50
	31	72.02	17.20	85.02	20.15	98.02	22.61	104.00	24.58	108.99	24.82	110.38	25.07	113.75	25.32
	33	72.02	18.16	85.02	21.27	98.02	23.87	104.00	25.94	106.88	26.20	109.29	26.46	112.64	26.72
	35	72.02	19.12	85.02	22.39	98.02	25.12	104.00	27.31	105.82	27.58	108.21	27.85	111.52	28.13
	37	72.02	19.95	85.02	23.37	98.02	26.22	101.92	28.50	103.70	28.65	104.97	28.79	107.06	28.93
	39	72.02	20.65	85.02	24.18	98.02	27.13	101.19	29.49	102.65	29.65	103.88	30.03	104.83	30.24
	41	72.02	21.49	85.02	25.17	98.02	28.24	100.88	30.70	101.59	30.89	102.80	31.20	103.72	31.45
	43	72.02	22.56	85.02	26.42	98.02	29.65	99.84	32.22	100.53	32.55	101.72	32.81	103.16	32.97
	46	72.02	23.54	85.02	27.58	98.02	30.94	97.84	33.63	98.52	33.80	98.67	33.92	99.03	33.91
	48	72.02	24.36	85.02	28.54	98.02	32.02	97.14	34.80	97.51	34.99	97.65	35.37	96.97	35.44
	50	72.02	25.35	85.02	29.70	98.02	33.32	96.84	36.22	96.51	36.45	96.63	36.75	95.94	36.86

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	63.02	8.36	74.39	9.79	85.77	10.99	91.00	11.94	99.07	12.06	106.05	12.18	110.27	12.30
	12	63.02	8.51	74.39	9.97	85.77	11.19	91.00	12.16	99.07	12.28	106.05	12.40	109.29	12.53
	14	63.02	8.66	74.39	10.15	85.77	11.39	91.00	12.38	99.07	12.50	105.10	12.62	108.32	12.75
	16	63.02	8.82	74.39	10.33	85.77	11.59	91.00	12.59	99.07	12.72	104.15	12.85	107.34	12.97
	18	63.02	8.97	74.39	10.51	85.77	11.79	91.00	12.81	99.07	12.94	103.21	13.07	106.37	13.20
	19	63.02	9.12	74.39	10.68	85.77	11.99	91.00	13.03	99.07	13.16	102.26	13.29	105.39	13.42
	21	63.02	9.27	74.39	10.86	85.77	12.19	91.00	13.25	99.07	13.38	101.31	13.51	104.41	13.64
	23	63.02	9.42	74.39	11.04	85.77	12.39	91.00	13.46	99.07	13.60	100.37	13.73	103.44	13.87
	25	63.02	9.73	74.39	11.40	85.77	12.79	91.00	13.90	98.15	14.04	99.42	14.18	102.46	14.31
	27	63.02	9.88	74.39	11.57	85.77	12.99	91.00	14.11	97.22	14.26	98.47	14.40	101.49	14.54
	29	63.02	12.16	74.39	14.24	85.77	15.98	91.00	17.37	96.30	17.55	97.53	17.72	100.51	17.89
	31	63.02	13.68	74.39	16.03	85.77	17.98	91.00	19.54	95.37	19.74	96.58	19.93	99.54	20.13
	33	63.02	14.44	74.39	16.92	85.77	18.98	91.00	20.63	93.52	20.84	95.63	21.04	98.56	21.25
	35	63.02	15.20	74.39	17.81	85.77	19.98	91.00	21.71	92.59	21.93	94.69	22.15	97.58	22.37
	37	63.02	15.86	74.39	18.58	85.77	20.85	89.18	22.66	90.74	22.78	91.84	22.89	93.68	23.01
	39	63.02	16.42	74.39	19.23	85.77	21.58	88.54	23.45	89.81	23.58	90.90	23.88	91.73	24.04
	41	63.02	17.09	74.39	20.01	85.77	22.45	88.27	24.41	88.89	24.56	89.95	24.81	90.75	25.01
	43	63.02	17.94	74.39	21.01	85.77	23.57	87.36	25.62	87.96	25.88	89.00	26.09	90.27	26.21
	46	63.02	18.72	74.39	21.93	85.77	24.60	85.61	26.74	86.20	26.88	86.33	26.97	86.65	26.96
	48	63.02	19.37	74.39	22.69	85.77	25.46	85.00	27.67	85.32	27.82	85.44	28.13	84.85	28.18
	50	63.02	20.16	74.39	23.62	85.77	26.50	84.74	28.80	84.44	28.99	84.55	29.22	83.95	29.31
60%	10	54.02	6.35	63.77	7.43	73.52	8.34	78.00	9.06	84.92	9.16	90.90	9.25	94.52	9.34
	12	54.02	6.46	63.77	7.57	73.52	8.49	78.00	9.23	84.92	9.32	90.90	9.41	93.68	9.51
	14	54.02	6.58	63.77	7.70	73.52	8.64	78.00	9.39	84.92	9.49	90.09	9.58	92.84	9.68
	16	54.02	6.69	63.77	7.84	73.52	8.79	78.00	9.56	84.92	9.65	89.27	9.75	92.01	9.85
	18	54.02	6.81	63.77	7.97	73.52	8.95	78.00	9.72	84.92	9.82	88.46	9.92	91.17	10.02
	19	54.02	6.92	63.77	8.11	73.52	9.10	78.00	9.89	84.92	9.99	87.65	10.09	90.33	10.19
	21	54.02	7.04	63.77	8.24	73.52	9.25	78.00	10.05	84.92	10.15	86.84	10.25	89.50	10.36
	23	54.02	7.15	63.77	8.38	73.52	9.40	78.00	10.22	84.92	10.32	86.03	10.42	88.66	10.53
	25	54.02	7.38	63.77	8.65	73.52	9.70	78.00	10.55	84.13	10.65	85.22	10.76	87.83	10.86
	27	54.02	7.50	63.77	8.78	73.52	9.86	78.00	10.71	83.33	10.82	84.41	10.93	86.99	11.03
	29	54.02	9.23	63.77	10.81	73.52	12.13	78.00	13.19	82.54	13.32	83.59	13.45	86.15	13.58
	31	54.02	10.38	63.77	12.16	73.52	13.65	78.00	14.83	81.75	14.98	82.78	15.13	85.32	15.28
	33	54.02	10.96	63.77	12.84	73.52	14.40	78.00	15.66	80.16	15.81	81.97	15.97	84.48	16.13
	35	54.02	11.54	63.77	13.51	73.52	15.16	78.00	16.48	79.37	16.65	81.16	16.81	83.64	16.98
	37	54.02	12.04	63.77	14.10	73.52	15.82	76.44	17.20	77.78	17.29	78.72	17.38	80.30	17.46
	39	54.02	12.46	63.77	14.60	73.52	16.38	75.89	17.80	76.98	17.89	77.91	18.12	78.62	18.25
	41	54.02	12.97	63.77	15.19	73.52	17.04	75.66	18.53	76.19	18.64	77.10	18.83	77.79	18.98
	43	54.02	13.61	63.77	15.95	73.52	17.89	74.88	19.45	75.40	19.64	76.29	19.80	77.37	19.90
	46	54.02	14.21	63.77	16.64	73.52	18.67	73.38	20.30	73.89	20.40	74.00	20.47	74.28	20.46
	48	54.02	14.70	63.77	17.22	73.52	19.32	72.86	21.00	73.13	21.12	73.24	21.35	72.73	21.39
	50	54.02	15.30	63.77	17.93	73.52	20.11	72.63	21.86	72.38	22.00	72.47	22.18	71.95	22.24
50%	10	45.01	4.47	53.14	5.24	61.26	5.87	65.00	6.39	70.77	6.45	75.75	6.51	78.76	6.58
	12	45.01	4.55	53.14	5.33	61.26	5.98	65.00	6.50	70.77	6.57	75.75	6.63	78.07	6.70
	14	45.01	4.63	53.14	5.43	61.26	6.09	65.00	6.62	70.77	6.68	75.07	6.75	77.37	6.82
	16	45.01	4.71	53.14	5.52	61.26	6.19	65.00	6.73	70.77	6.80	74.40	6.87	76.67	6.94
	18	45.01	4.79	53.14	5.62	61.26	6.30	65.00	6.85	70.77	6.92	73.72	6.99	75.98	7.05
	19	45.01	4.88	53.14	5.71	61.26	6.41	65.00	6.97	70.77	7.04	73.04	7.10	75.28	7.17
	21	45.01	4.96	53.14	5.81	61.26	6.52	65.00	7.08	70.77	7.15	72.37	7.22	74.58	7.29
	23	45.01	5.04	53.14	5.90	61.26	6.62	65.00	7.20	70.77	7.27	71.69	7.34	73.88	7.41
	25	45.01	5.20	53.14	6.09	61.26	6.84	65.00	7.43	70.11	7.50	71.01	7.58	73.19	7.65
	27	45.01	5.28	53.14	6.19	61.26	6.94	65.00	7.55	69.44	7.62	70.34	7.70	72.49	7.77
	29	45.01	6.50	53.14	7.62	61.26	8.54	65.00	9.29	68.78	9.38	69.66	9.47	71.79	9.57
	31	45.01	7.31	53.14	8.57	61.26	9.61	65.00	10.45	68.12	10.55	68.99	10.66	71.10	10.76
	33	45.01	7.72	53.14	9.04	61.26	10.15	65.00	11.03	66.80	11.14	68.31	11.25	70.40	11.36
	35	45.01	8.13	53.14	9.52	61.26	10.68	65.00	11.61	66.14	11.73	67.63	11.84	69.70	11.96
	37	45.01	8.48	53.14	9.93	61.26	11.15	63.70	12.12	64.81	12.18	65.60	12.24	66.91	12.30
	39	45.01	8.78	53.14	10.28	61.26	11.53	63.25	12.54	64.15	12.60	64.93	12.77	65.52	12.85
	41	45.01	9.13	53.14	10.70	61.26	12.00	63.05	13.05	63.49	13.13	64.25	13.26	64.82	13.37
	43	45.01	9.59	53.14	11.23	61.26	12.60	62.40	13.70	62.83	13.84	63.57	13.95	64.48	14.01
	46	45.01	10.01	53.14	11.72	61.26	13.15	61.15	14.30	61.57	14.37	61.67	14.42	61.90	14.42
	48	45.01	10.36	53.14	12.13	61.26	13.61	60.72	14.79	60.95	14.87	61.03	15.04	60.61	15.07
	50	45.01	10.78	53.14	12.63	61.26	14.17	60.53	15.40	60.32	15.50	60.40	15.62	59.96	15.67

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	36.01	3.54	42.51	4.15	49.01	4.66	52.00	5.06	56.61	5.11	60.60	5.16	63.01	5.21
	12	36.01	3.61	42.51	4.23	49.01	4.74	52.00	5.15	56.61	5.21	60.60	5.26	62.45	5.31
	14	36.01	3.67	42.51	4.30	49.01	4.83	52.00	5.25	56.61	5.30	60.06	5.35	61.90	5.40
	16	36.01	3.74	42.51	4.38	49.01	4.91	52.00	5.34	56.61	5.39	59.52	5.44	61.34	5.50
	18	36.01	3.80	42.51	4.45	49.01	5.00	52.00	5.43	56.61	5.48	58.98	5.54	60.78	5.59
	19	36.01	3.87	42.51	4.53	49.01	5.08	52.00	5.52	56.61	5.58	58.43	5.63	60.22	5.69
	21	36.01	3.93	42.51	4.60	49.01	5.16	52.00	5.61	56.61	5.67	57.89	5.73	59.67	5.78
	23	36.01	3.99	42.51	4.68	49.01	5.25	52.00	5.71	56.61	5.76	57.35	5.82	59.11	5.88
	25	36.01	4.12	42.51	4.83	49.01	5.42	52.00	5.89	56.08	5.95	56.81	6.01	58.55	6.07
	27	36.01	4.19	42.51	4.91	49.01	5.50	52.00	5.98	55.56	6.04	56.27	6.10	57.99	6.16
	29	36.01	5.15	42.51	6.04	49.01	6.77	52.00	7.36	55.03	7.44	55.73	7.51	57.44	7.58
	31	36.01	5.80	42.51	6.79	49.01	7.62	52.00	8.28	54.50	8.37	55.19	8.45	56.88	8.53
	33	36.01	6.12	42.51	7.17	49.01	8.04	52.00	8.74	53.44	8.83	54.65	8.92	56.32	9.01
	35	36.01	6.44	42.51	7.55	49.01	8.47	52.00	9.20	52.91	9.30	54.11	9.39	55.76	9.48
	37	36.01	6.72	42.51	7.88	49.01	8.84	50.96	9.60	51.85	9.65	52.48	9.70	53.53	9.75
	39	36.01	6.96	42.51	8.15	49.01	9.14	50.60	9.94	51.32	9.99	51.94	10.12	52.42	10.19
	41	36.01	7.24	42.51	8.48	49.01	9.52	50.44	10.34	50.79	10.41	51.40	10.51	51.86	10.60
	43	36.01	7.60	42.51	8.90	49.01	9.99	49.92	10.86	50.26	10.97	50.86	11.06	51.58	11.11
	46	36.01	7.93	42.51	9.29	49.01	10.43	48.92	11.33	49.26	11.39	49.33	11.43	49.52	11.43
	48	36.01	8.21	42.51	9.62	49.01	10.79	48.57	11.73	48.76	11.79	48.83	11.92	48.49	11.94
	50	36.01	8.54	42.51	10.01	49.01	11.23	48.42	12.21	48.25	12.28	48.32	12.39	47.97	12.42
30%	10	27.01	3.24	31.88	3.80	36.76	4.26	39.00	4.63	42.46	4.68	45.45	4.72	47.26	4.77
	12	27.01	3.30	31.88	3.87	36.76	4.34	39.00	4.72	42.46	4.76	45.45	4.81	46.84	4.86
	14	27.01	3.36	31.88	3.94	36.76	4.42	39.00	4.80	42.46	4.85	45.04	4.90	46.42	4.94
	16	27.01	3.42	31.88	4.01	36.76	4.49	39.00	4.88	42.46	4.93	44.64	4.98	46.00	5.03
	18	27.01	3.48	31.88	4.07	36.76	4.57	39.00	4.97	42.46	5.02	44.23	5.07	45.59	5.12
	19	27.01	3.54	31.88	4.14	36.76	4.65	39.00	5.05	42.46	5.10	43.83	5.15	45.17	5.20
	21	27.01	3.60	31.88	4.21	36.76	4.73	39.00	5.14	42.46	5.19	43.42	5.24	44.75	5.29
	23	27.01	3.65	31.88	4.28	36.76	4.80	39.00	5.22	42.46	5.27	43.01	5.33	44.33	5.38
	25	27.01	3.77	31.88	4.42	36.76	4.96	39.00	5.39	42.06	5.44	42.61	5.50	43.91	5.55
	27	27.01	3.83	31.88	4.49	36.76	5.04	39.00	5.47	41.67	5.53	42.20	5.58	43.49	5.64
	29	27.01	4.72	31.88	5.52	36.76	6.20	39.00	6.74	41.27	6.80	41.80	6.87	43.08	6.94
	31	27.01	5.31	31.88	6.21	36.76	6.97	39.00	7.58	40.87	7.65	41.39	7.73	42.66	7.81
	33	27.01	5.60	31.88	6.56	36.76	7.36	39.00	8.00	40.08	8.08	40.99	8.16	42.24	8.24
	35	27.01	5.89	31.88	6.91	36.76	7.75	39.00	8.42	39.68	8.51	40.58	8.59	41.82	8.67
	37	27.01	6.15	31.88	7.21	36.76	8.09	38.22	8.79	38.89	8.83	39.36	8.88	40.15	8.92
	39	27.01	6.37	31.88	7.46	36.76	8.37	37.95	9.09	38.49	9.14	38.96	9.26	39.31	9.32
	41	27.01	6.63	31.88	7.76	36.76	8.71	37.83	9.47	38.10	9.53	38.55	9.62	38.89	9.70
	43	27.01	6.96	31.88	8.15	36.76	9.14	37.44	9.94	37.70	10.04	38.14	10.12	38.69	10.17
	46	27.01	7.26	31.88	8.50	36.76	9.54	36.69	10.37	36.94	10.42	37.00	10.46	37.14	10.46
	48	27.01	7.51	31.88	8.80	36.76	9.87	36.43	10.73	36.57	10.79	36.62	10.91	36.36	10.93
	50	27.01	7.82	31.88	9.16	36.76	10.28	36.32	11.17	36.19	11.24	36.24	11.33	35.98	11.37
20%	10	18.01	1.88	21.26	2.20	24.51	2.47	26.00	2.68	28.31	2.71	30.30	2.73	31.51	2.76
	12	18.01	1.91	21.26	2.24	24.51	2.51	26.00	2.73	28.31	2.76	30.30	2.78	31.23	2.81
	14	18.01	1.94	21.26	2.28	24.51	2.56	26.00	2.78	28.31	2.80	30.03	2.83	30.95	2.86
	16	18.01	1.98	21.26	2.32	24.51	2.60	26.00	2.83	28.31	2.85	29.76	2.88	30.67	2.91
	18	18.01	2.01	21.26	2.36	24.51	2.64	26.00	2.87	28.31	2.90	29.49	2.93	30.39	2.96
	19	18.01	2.05	21.26	2.40	24.51	2.69	26.00	2.92	28.31	2.95	29.22	2.98	30.11	3.01
	21	18.01	2.08	21.26	2.44	24.51	2.73	26.00	2.97	28.31	3.00	28.95	3.03	29.83	3.06
	23	18.01	2.11	21.26	2.48	24.51	2.78	26.00	3.02	28.31	3.05	28.68	3.08	29.55	3.11
	25	18.01	2.18	21.26	2.56	24.51	2.87	26.00	3.12	28.04	3.15	28.41	3.18	29.28	3.21
	27	18.01	2.22	21.26	2.60	24.51	2.91	26.00	3.17	27.78	3.20	28.14	3.23	29.00	3.26
	29	18.01	2.73	21.26	3.20	24.51	3.59	26.00	3.90	27.51	3.94	27.86	3.98	28.72	4.01
	31	18.01	3.07	21.26	3.60	24.51	4.03	26.00	4.39	27.25	4.43	27.59	4.47	28.44	4.52
	33	18.01	3.24	21.26	3.80	24.51	4.26	26.00	4.63	26.72	4.67	27.32	4.72	28.16	4.77
	35	18.01	3.41	21.26	4.00	24.51	4.48	26.00	4.87	26.46	4.92	27.05	4.97	27.88	5.02
	37	18.01	3.56	21.26	4.17	24.51	4.68	25.48	5.08	25.93	5.11	26.24	5.14	26.77	5.16
	39	18.01	3.68	21.26	4.31	24.51	4.84	25.30	5.26	25.66	5.29	25.97	5.36	26.21	5.39
	41	18.01	3.83	21.26	4.49	24.51	5.04	25.22	5.48	25.40	5.51	25.70	5.57	25.93	5.61
	43	18.01	4.02	21.26	4.71	24.51	5.29	24.96	5.75	25.13	5.81	25.43	5.85	25.79	5.88
	46	18.01	4.20	21.26	4.92	24.51	5.52	24.46	6.00	24.63	6.03	24.67	6.05	24.76	6.05
	48	18.01	4.35	21.26	5.09	24.51	5.71	24.29	6.21	24.38	6.24	24.41	6.31	24.24	6.32
	50	18.01	4.52	21.26	5.30	24.51	5.95	24.21	6.46	24.13	6.50	24.16	6.56	23.98	6.58

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR480ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	102.50	17.66	121.00	20.69	139.51	23.22	148.02	25.24	161.15	25.49	172.49	25.74	179.36	25.99
	12	102.50	17.99	121.00	21.07	139.51	23.64	148.02	25.69	161.15	25.95	172.49	26.21	177.77	26.46
	14	102.50	18.31	121.00	21.45	139.51	24.06	148.02	26.15	161.15	26.41	170.95	26.68	176.19	26.94
	16	102.50	18.63	121.00	21.82	139.51	24.48	148.02	26.61	161.15	26.88	169.41	27.14	174.60	27.41
	18	102.50	18.95	121.00	22.20	139.51	24.90	148.02	27.07	161.15	27.34	167.87	27.61	173.01	27.88
	19	102.50	19.27	121.00	22.57	135.32	25.33	148.02	27.53	161.15	27.80	166.33	28.08	171.43	28.35
	21	102.50	19.59	121.00	22.95	139.51	25.75	148.02	27.99	161.15	28.27	164.79	28.55	169.84	28.83
	23	102.50	19.91	121.00	23.33	139.51	26.17	148.02	28.45	161.15	28.73	163.25	29.02	168.25	29.30
	25	102.50	20.56	121.00	24.08	139.51	27.02	148.02	29.36	159.64	29.66	161.71	29.95	166.66	30.25
	27	102.50	20.88	121.00	24.46	139.51	27.44	148.02	29.82	158.14	30.12	160.17	30.42	165.08	30.72
	29	102.50	25.69	121.00	30.10	139.51	33.77	148.02	36.71	156.63	37.07	158.63	37.44	163.49	37.81
	31	102.50	28.91	121.00	33.86	139.51	37.99	148.02	41.29	155.13	41.71	157.09	42.12	161.90	42.53
	33	102.50	30.51	121.00	35.74	139.51	40.10	148.02	43.59	152.11	44.02	155.55	44.46	160.31	44.90
	35	102.50	32.12	121.00	37.62	139.51	42.21	148.02	45.88	150.61	46.34	154.01	46.80	158.73	47.26
	37	102.50	33.52	121.00	39.26	139.51	44.05	145.06	47.88	147.60	48.13	149.39	48.37	152.38	48.61
	39	102.50	34.69	121.00	40.63	139.51	45.59	144.02	49.55	146.09	49.82	147.85	50.45	149.20	50.80
	41	102.50	36.10	121.00	42.29	139.51	47.45	143.58	51.57	144.58	51.90	146.31	52.42	147.62	52.83
	43	102.50	37.90	121.00	44.40	139.51	49.81	142.10	54.14	143.08	54.68	144.77	55.13	146.82	55.39
	46	102.50	39.55	121.00	46.33	139.51	51.98	139.26	56.50	140.22	56.79	140.43	56.98	140.95	56.97
120%	48	102.50	40.93	121.00	47.95	139.51	53.79	138.26	58.47	138.79	58.78	138.98	59.43	138.01	59.54
	50	102.50	42.60	121.00	49.90	139.51	55.99	137.83	60.85	137.35	61.24	137.53	61.75	136.54	61.92
	10	100.83	17.49	119.03	20.49	137.23	22.99	145.61	24.99	158.53	25.24	169.68	25.49	176.44	25.74
	12	100.83	17.81	119.03	20.86	137.23	23.41	145.61	25.44	158.53	25.70	169.68	25.95	174.88	26.21
	14	100.83	18.13	119.03	21.24	137.23	23.83	145.61	25.90	158.53	26.16	168.17	26.42	173.32	26.68
	16	100.83	18.45	119.03	21.61	137.23	24.24	145.61	26.35	158.53	26.62	166.65	26.88	171.76	27.14
	18	100.83	18.77	119.03	21.98	137.23	24.66	145.61	26.81	158.53	27.08	165.14	27.34	170.19	27.61
	19	100.83	19.08	119.03	22.35	137.23	25.08	145.61	27.26	158.53	27.53	163.62	27.81	168.63	28.08
	21	100.83	19.40	119.03	22.73	137.23	25.50	145.61	27.72	158.53	27.99	162.11	28.27	167.07	28.55
	23	100.83	19.72	119.03	23.10	137.23	25.92	145.61	28.17	158.53	28.45	160.59	28.73	165.51	29.02
	25	100.83	20.36	119.03	23.85	137.23	26.75	145.61	29.08	157.04	29.37	159.08	29.66	163.95	29.95
	27	100.83	20.67	119.03	24.22	137.23	27.17	145.61	29.53	155.56	29.83	157.56	30.12	162.39	30.42
	29	100.83	25.44	119.03	29.81	137.23	33.44	145.61	36.35	154.08	36.71	156.05	37.08	160.83	37.44
	31	100.83	28.62	119.03	33.53	137.23	37.62	145.61	40.89	152.60	41.30	154.53	41.71	159.26	42.12
	33	100.83	30.22	119.03	35.39	137.23	39.71	145.61	43.16	149.64	43.60	153.02	44.03	157.70	44.46
	35	100.83	31.81	119.03	37.26	137.23	41.80	145.61	45.44	148.16	45.89	151.50	46.35	156.14	46.80
	37	100.83	33.19	119.03	38.88	137.23	43.62	142.70	47.42	145.19	47.66	146.96	47.90	149.90	48.14
	39	100.83	34.35	119.03	40.24	137.23	45.15	141.68	49.07	143.71	49.33	145.44	49.96	146.77	50.31
	41	100.83	35.75	119.03	41.88	137.23	46.98	141.24	51.07	142.23	51.40	143.93	51.91	145.21	52.32
	43	100.83	37.53	119.03	43.96	137.23	49.33	139.78	53.61	140.75	54.15	142.41	54.59	144.43	54.85
110%	46	100.83	39.17	119.03	45.88	137.23	51.48	136.99	55.95	137.93	56.24	138.14	56.43	138.65	56.42
	48	100.83	40.53	119.03	47.48	137.23	53.27	136.01	57.90	136.53	58.21	136.72	58.85	135.77	58.96
	50	100.83	42.18	119.03	49.42	137.23	55.44	135.59	60.26	135.12	60.65	135.29	61.15	134.32	61.32
	10	99.16	17.08	117.06	20.00	134.96	22.44	143.20	24.40	155.90	24.64	166.88	24.88	173.52	25.13
	12	99.16	17.39	117.06	20.37	134.96	22.85	143.20	24.84	155.90	25.09	166.88	25.34	171.98	25.58
	14	99.16	17.70	117.06	20.73	134.96	23.26	143.20	25.28	155.90	25.53	166.39	25.79	170.45	26.04
	16	99.16	18.01	117.06	21.10	134.96	23.67	143.20	25.73	155.90	25.98	163.90	26.24	168.91	26.50
	18	99.16	18.32	117.06	21.46	134.96	24.08	143.20	26.17	155.90	26.43	162.41	26.69	167.38	26.95
	19	99.16	18.63	117.06	21.82	134.96	24.48	143.20	26.61	155.90	26.88	160.92	27.14	165.84	27.41
	21	99.16	18.94	117.06	22.19	134.96	24.89	143.20	27.06	155.90	27.33	159.43	27.60	164.31	27.87
	23	99.16	19.25	117.06	22.55	134.96	25.30	143.20	27.50	155.90	27.77	157.94	28.05	162.77	28.32
	25	99.16	19.87	117.06	23.28	134.96	26.12	143.20	28.39	154.44	28.67	156.45	28.95	161.23	29.24
	27	99.16	20.18	117.06	23.64	134.96	26.52	143.20	28.83	152.99	29.12	154.96	29.41	159.70	29.70
	29	99.16	24.84	117.06	29.10	134.96	32.64	143.20	35.48	151.53	35.84	153.47	36.19	158.16	36.55
	31	99.16	27.94	117.06	32.73	134.96	36.73	143.20	39.92	150.07	40.32	151.98	40.72	156.63	41.12
	33	99.16	29.50	117.06	34.55	134.96	38.77	143.20	42.14	147.16	42.56	150.49	42.98	155.09	43.40
	35	99.16	31.05	117.06	36.37	134.96	40.81	143.20	44.35	145.70	44.80	149.00	45.24	153.56	45.69
	37	99.16	32.40	117.06	37.96	134.96	42.59	140.33	46.29	142.79	46.53	144.53	46.76	147.41	46.99
	39	99.16	33.53	117.06	39.28	134.96	44.07	139.33	47.90	141.33	48.16	143.04	48.77	144.34	49.11
	41	99.16	34.90	117.06	40.88	134.96	45.87	138.90	49.85	139.87	50.17	141.55	50.67	142.81	51.08
	43	99.16	36.64	117.06	42.92	134.96	48.15	137.47	52.34	138.42	52.86	140.06	53.29	142.04	53.54
100%	46	99.16	38.23	117.06	44.79	134.96	50.25	134.72	54.62	135.65	54.90	135.85	55.09	136.36	55.07
	48	99.16	39.57	117.06	46.35	134.96	52.00	133.76	56.53	134.26	56.83	134.45	57.45	133.52	57.56
	50	99.16	41.18	117.06	48.24	134.96	54.12	133.34	58.83	132.88	59.21	133.05	59.69	132.10	59.86

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	93.49	16.17	110.36	18.94	127.24	21.25	135.00	23.10	146.98	23.33	157.32	23.56	163.59	23.79
	12	93.49	16.46	110.36	19.29	127.24	21.64	135.00	23.52	146.98	23.76	157.32	23.99	162.14	24.23
	14	93.49	16.76	110.36	19.63	127.24	22.02	135.00	23.94	146.98	24.18	155.92	24.42	160.69	24.66
	16	93.49	17.05	110.36	19.98	127.24	22.41	135.00	24.36	146.98	24.60	154.51	24.85	159.24	25.09
	18	93.49	17.35	110.36	20.32	127.24	22.80	135.00	24.78	146.98	25.03	153.11	25.28	157.80	25.52
	19	93.49	17.64	110.36	20.66	127.24	23.18	135.00	25.20	146.98	25.45	151.70	25.70	156.35	25.96
	21	93.49	17.93	110.36	21.01	127.24	23.57	135.00	25.62	146.98	25.88	150.30	26.13	154.90	26.39
	23	93.49	18.23	110.36	21.35	127.24	23.96	135.00	26.04	146.98	26.30	148.90	26.56	153.45	26.82
	25	93.49	18.82	110.36	22.04	127.24	24.73	135.00	26.88	145.60	27.15	147.49	27.42	152.01	27.69
	27	93.49	19.11	110.36	22.39	127.24	25.12	135.00	27.30	144.23	27.57	146.09	27.85	150.56	28.12
	29	93.49	23.52	110.36	27.55	127.24	30.91	135.00	33.60	142.86	33.94	144.68	34.27	149.11	34.61
	31	93.49	26.46	110.36	31.00	127.24	34.78	135.00	37.80	141.48	38.18	143.28	38.56	147.66	38.93
	33	93.49	27.93	110.36	32.72	127.24	36.71	135.00	39.90	138.74	40.30	141.87	40.70	146.21	41.10
	35	93.49	29.40	110.36	34.44	127.24	38.64	135.00	42.00	137.36	42.42	140.47	42.84	144.77	43.26
	37	93.49	30.68	110.36	35.94	127.24	40.32	132.30	43.83	134.62	44.06	136.25	44.28	138.98	44.50
90%	39	93.49	31.75	110.36	37.20	127.24	41.73	131.36	45.36	133.24	45.60	134.85	46.18	136.08	46.50
	41	93.49	33.05	110.36	38.71	127.24	43.43	130.95	47.21	131.87	47.51	133.44	47.98	134.63	48.36
	43	93.49	34.69	110.36	40.64	127.24	45.60	129.60	49.56	130.49	50.06	132.04	50.47	133.91	50.70
	46	93.49	36.20	110.36	42.41	127.24	47.58	127.01	51.72	127.88	51.99	128.08	52.16	128.55	52.15
	48	93.49	37.47	110.36	43.89	127.24	49.24	126.10	53.52	126.58	53.81	126.76	54.40	125.88	54.50
	50	93.49	38.99	110.36	45.68	127.24	51.25	125.71	55.71	125.27	56.06	125.44	56.52	124.54	56.68
	10	84.14	13.57	99.33	15.90	114.51	17.84	121.50	19.39	132.28	19.58	141.59	19.78	147.23	19.97
	12	84.14	13.82	99.33	16.19	114.51	18.16	121.50	19.74	132.28	19.94	141.59	20.14	145.93	20.33
	14	84.14	14.07	99.33	16.48	114.51	18.49	121.50	20.10	132.28	20.30	140.33	20.50	144.62	20.70
	16	84.14	14.31	99.33	16.77	114.51	18.81	121.50	20.45	132.28	20.65	139.06	20.86	143.32	21.06
	18	84.14	14.56	99.33	17.06	114.51	19.14	121.50	20.80	132.28	21.01	137.80	21.22	142.02	21.42
	19	84.14	14.81	99.33	17.35	114.51	19.46	121.50	21.15	132.28	21.36	136.53	21.58	140.71	21.79
	21	84.14	15.05	99.33	17.63	114.51	19.78	121.50	21.51	132.28	21.72	135.27	21.94	139.41	22.15
	23	84.14	15.30	99.33	17.92	114.51	20.11	121.50	21.86	132.28	22.08	134.01	22.29	138.11	22.51
	25	84.14	15.79	99.33	18.50	114.51	20.76	121.50	22.56	131.04	22.79	132.74	23.01	136.81	23.24
	27	84.14	16.04	99.33	18.79	114.51	21.08	121.50	22.92	129.81	23.14	131.48	23.37	135.50	23.60
	29	84.14	19.74	99.33	23.13	114.51	25.95	121.50	28.20	128.57	28.49	130.21	28.77	134.20	29.05
80%	31	84.14	22.21	99.33	26.02	114.51	29.19	121.50	31.73	127.34	32.05	128.95	32.36	132.90	32.68
	33	84.14	23.44	99.33	27.46	114.51	30.81	121.50	33.49	124.86	33.83	127.68	34.16	131.59	34.50
	35	84.14	24.68	99.33	28.91	114.51	32.43	121.50	35.25	123.63	35.61	126.42	35.96	130.29	36.31
	37	84.14	25.75	99.33	30.17	114.51	33.85	119.07	36.79	121.15	36.98	122.63	37.17	125.08	37.35
	39	84.14	26.65	99.33	31.22	114.51	35.03	118.22	38.07	119.92	38.28	121.36	38.76	122.47	39.04
	41	84.14	27.74	99.33	32.49	114.51	36.46	117.86	39.63	118.68	39.88	120.10	40.27	121.17	40.60
	43	84.14	29.12	99.33	34.11	114.51	38.27	116.64	41.60	117.44	42.02	118.84	42.36	120.52	42.56
	46	84.14	30.39	99.33	35.60	114.51	39.94	114.31	43.41	115.10	43.64	115.27	43.78	115.70	43.78
	48	84.14	31.45	99.33	36.84	114.51	41.33	113.49	44.93	113.92	45.17	114.08	45.66	113.29	45.75
	50	84.14	32.73	99.33	38.34	114.51	43.02	113.14	46.76	112.75	47.06	112.89	47.44	112.08	47.58
	10	74.79	11.12	88.29	13.03	101.79	14.62	108.00	15.89	117.58	16.05	125.86	16.21	130.87	16.37
	12	74.79	11.33	88.29	13.27	101.79	14.88	108.00	16.18	117.58	16.34	125.86	16.50	129.71	16.66
	14	74.79	11.53	88.29	13.50	101.79	15.15	108.00	16.47	117.58	16.63	124.74	16.80	128.55	16.96
	16	74.79	11.73	88.29	13.74	101.79	15.42	108.00	16.76	117.58	16.92	123.61	17.09	127.40	17.26
	18	74.79	11.93	88.29	13.98	101.79	15.68	108.00	17.05	117.58	17.22	122.49	17.39	126.24	17.56
	19	74.79	12.13	88.29	14.21	101.79	15.95	108.00	17.33	117.58	17.51	121.36	17.68	125.08	17.85
	21	74.79	12.34	88.29	14.45	101.79	16.21	108.00	17.62	117.58	17.80	120.24	17.98	123.92	18.15
	23	74.79	12.54	88.29	14.69	101.79	16.48	108.00	17.91	117.58	18.09	119.12	18.27	122.76	18.45
	25	74.79	12.94	88.29	15.16	101.79	17.01	108.00	18.49	116.48	18.68	117.99	18.86	121.60	19.04
	27	74.79	13.15	88.29	15.40	101.79	17.28	108.00	18.78	115.38	18.97	116.87	19.15	120.45	19.34
	29	74.79	16.18	88.29	18.95	101.79	21.26	108.00	23.11	114.29	23.34	115.75	23.57	119.29	23.81
	31	74.79	18.20	88.29	21.32	101.79	23.92	108.00	26.00	113.19	26.26	114.62	26.52	118.13	26.78
	33	74.79	19.21	88.29	22.51	101.79	25.25	108.00	27.45	110.99	27.72	113.50	28.00	116.97	28.27
	35	74.79	20.22	88.29	23.69	101.79	26.58	108.00	28.89	109.89	29.18	112.37	29.47	115.81	29.76
	37	74.79	21.11	88.29	24.72	101.79	27.74	105.84	30.15	107.69	30.31	109.00	30.46	111.18	30.61
	39	74.79	21.84	88.29	25.59	101.79	28.71	105.08	31.20	106.59	31.37	107.88	31.77	108.86	31.99
	41	74.79	22.73	88.29	26.63	101.79	29.88	104.76	32.47	105.49	32.68	106.76	33.00	107.71	33.27
	43	74.79	23.86	88.29	27.95	101.79	31.36	103.68	34.09	104.40	34.43	105.63	34.71	107.13	34.88
	46	74.79	24.90	88.29	29.17	101.79	32.73	101.61	35.58	102.31	35.76	102.46	35.88	102.84	35.87
	48	74.79	25.77	88.29	30.19	101.79	33.87	100.88	36.82	101.26	37.01	101.41	37.42	100.70	37.49
	50	74.79	26.82	88.29	31.42	101.79	35.25	100.57	38.32	100.22	38.56	100.35	38.88	99.63	38.99

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	65.44	8.84	77.25	10.36	89.07	11.62	94.50	12.64	102.88	12.76	110.13	12.89	114.51	13.01
	12	65.44	9.01	77.25	10.55	89.07	11.84	94.50	12.86	102.88	12.99	110.13	13.12	113.50	13.25
	14	65.44	9.17	77.25	10.74	89.07	12.05	94.50	13.09	102.88	13.23	109.14	13.36	112.48	13.49
	16	65.44	9.33	77.25	10.93	89.07	12.26	94.50	13.32	102.88	13.46	108.16	13.59	111.47	13.72
	18	65.44	9.49	77.25	11.11	89.07	12.47	94.50	13.55	102.88	13.69	107.18	13.82	110.46	13.96
	19	65.44	9.65	77.25	11.30	89.07	12.68	94.50	13.78	102.88	13.92	106.19	14.06	109.44	14.20
	21	65.44	9.81	77.25	11.49	89.07	12.89	94.50	14.01	102.88	14.15	105.21	14.29	108.43	14.43
	23	65.44	9.97	77.25	11.68	89.07	13.10	94.50	14.24	102.88	14.39	104.23	14.53	107.42	14.67
	25	65.44	10.29	77.25	12.06	89.07	13.53	94.50	14.70	101.92	14.85	103.24	15.00	106.40	15.14
	27	65.44	10.45	77.25	12.24	89.07	13.74	94.50	14.93	100.96	15.08	102.26	15.23	105.39	15.38
	29	65.44	12.86	77.25	15.07	89.07	16.91	94.50	18.38	100.00	18.56	101.28	18.75	104.38	18.93
	31	65.44	14.47	77.25	16.95	89.07	19.02	94.50	20.68	99.04	20.88	100.29	21.09	103.36	21.30
	33	65.44	15.28	77.25	17.90	89.07	20.08	94.50	21.82	97.12	22.04	99.31	22.26	102.35	22.48
	35	65.44	16.08	77.25	18.84	89.07	21.13	94.50	22.97	96.15	23.20	98.33	23.43	101.34	23.66
	37	65.44	16.78	77.25	19.66	89.07	22.06	92.61	23.97	94.23	24.10	95.38	24.22	97.28	24.34
	39	65.44	17.37	77.25	20.34	89.07	22.83	91.95	24.81	93.27	24.94	94.39	25.26	95.26	25.44
	41	65.44	18.07	77.25	21.17	89.07	23.76	91.67	25.82	92.31	25.99	93.41	26.24	94.24	26.45
	43	65.44	18.98	77.25	22.23	89.07	24.94	90.72	27.11	91.35	27.38	92.43	27.60	93.74	27.73
	46	65.44	19.80	77.25	23.20	89.07	26.03	88.91	28.29	89.52	28.44	89.65	28.53	89.99	28.52
	48	65.44	20.49	77.25	24.01	89.07	26.93	88.27	29.28	88.61	29.43	88.73	29.76	88.11	29.81
	50	65.44	21.33	77.25	24.98	89.07	28.03	88.00	30.47	87.69	30.66	87.81	30.92	87.18	31.00
60%	10	56.09	6.71	66.22	7.86	76.34	8.82	81.00	9.59	88.19	9.69	94.39	9.78	98.15	9.88
	12	56.09	6.84	66.22	8.01	76.34	8.98	81.00	9.76	88.19	9.86	94.39	9.96	97.28	10.06
	14	56.09	6.96	66.22	8.15	76.34	9.14	81.00	9.94	88.19	10.04	93.55	10.14	96.41	10.24
	16	56.09	7.08	66.22	8.29	76.34	9.30	81.00	10.11	88.19	10.21	92.71	10.32	95.55	10.42
	18	56.09	7.20	66.22	8.44	76.34	9.46	81.00	10.29	88.19	10.39	91.87	10.49	94.68	10.60
	19	56.09	7.32	66.22	8.58	76.34	9.62	81.00	10.46	88.19	10.57	91.02	10.67	93.81	10.78
	21	56.09	7.45	66.22	8.72	76.34	9.79	81.00	10.64	88.19	10.74	90.18	10.85	92.94	10.96
	23	56.09	7.57	66.22	8.86	76.34	9.95	81.00	10.81	88.19	10.92	89.34	11.03	92.07	11.13
	25	56.09	7.81	66.22	9.15	76.34	10.27	81.00	11.16	87.36	11.27	88.49	11.38	91.20	11.49
	27	56.09	7.93	66.22	9.29	76.34	10.43	81.00	11.33	86.54	11.45	87.65	11.56	90.33	11.67
	29	56.09	9.76	66.22	11.44	76.34	12.83	81.00	13.95	85.71	14.09	86.81	14.23	89.47	14.37
	31	56.09	10.98	66.22	12.87	76.34	14.44	81.00	15.69	84.89	15.85	85.97	16.01	88.60	16.16
	33	56.09	11.60	66.22	13.58	76.34	15.24	81.00	16.56	83.24	16.73	85.12	16.90	87.73	17.06
	35	56.09	12.21	66.22	14.30	76.34	16.04	81.00	17.44	82.42	17.61	84.28	17.79	86.86	17.96
	37	56.09	12.74	66.22	14.92	76.34	16.74	79.38	18.20	80.77	18.29	81.75	18.38	83.39	18.47
	39	56.09	13.18	66.22	15.44	76.34	17.32	78.81	18.83	79.94	18.93	80.91	19.17	81.65	19.31
	41	56.09	13.72	66.22	16.07	76.34	18.03	78.57	19.60	79.12	19.72	80.07	19.92	80.78	20.08
	43	56.09	14.40	66.22	16.87	76.34	18.93	77.76	20.57	78.30	20.78	79.22	20.95	80.35	21.05
	46	56.09	15.03	66.22	17.61	76.34	19.75	76.20	21.47	76.73	21.58	76.85	21.65	77.13	21.65
	48	56.09	15.55	66.22	18.22	76.34	20.44	75.66	22.22	75.95	22.34	76.05	22.59	75.53	22.63
	50	56.09	16.19	66.22	18.96	76.34	21.28	75.43	23.13	75.16	23.27	75.26	23.46	74.72	23.53
50%	10	46.74	4.73	55.18	5.54	63.62	6.21	67.50	6.76	73.49	6.82	78.66	6.89	81.79	6.96
	12	46.74	4.81	55.18	5.64	63.62	6.33	67.50	6.88	73.49	6.95	78.66	7.02	81.07	7.08
	14	46.74	4.90	55.18	5.74	63.62	6.44	67.50	7.00	73.49	7.07	77.96	7.14	80.35	7.21
	16	46.74	4.99	55.18	5.84	63.62	6.55	67.50	7.12	73.49	7.19	77.26	7.27	79.62	7.34
	18	46.74	5.07	55.18	5.94	63.62	6.67	67.50	7.25	73.49	7.32	76.55	7.39	78.90	7.46
	19	46.74	5.16	55.18	6.04	63.62	6.78	67.50	7.37	73.49	7.44	75.85	7.52	78.17	7.59
	21	46.74	5.24	55.18	6.14	63.62	6.89	67.50	7.49	73.49	7.57	75.15	7.64	77.45	7.72
	23	46.74	5.33	55.18	6.24	63.62	7.01	67.50	7.61	73.49	7.69	74.45	7.77	76.73	7.84
	25	46.74	5.50	55.18	6.45	63.62	7.23	67.50	7.86	72.80	7.94	73.75	8.02	76.00	8.10
	27	46.74	5.59	55.18	6.55	63.62	7.34	67.50	7.98	72.12	8.06	73.04	8.14	75.28	8.22
	29	46.74	6.88	55.18	8.06	63.62	9.04	67.50	9.83	71.43	9.92	72.34	10.02	74.56	10.12
	31	46.74	7.74	55.18	9.06	63.62	10.17	67.50	11.05	70.74	11.16	71.64	11.27	73.83	11.39
	33	46.74	8.17	55.18	9.57	63.62	10.73	67.50	11.67	69.37	11.78	70.94	11.90	73.11	12.02
	35	46.74	8.60	55.18	10.07	63.62	11.30	67.50	12.28	68.68	12.40	70.23	12.53	72.38	12.65
	37	46.74	8.97	55.18	10.51	63.62	11.79	66.15	12.82	67.31	12.88	68.13	12.95	69.49	13.01
	39	46.74	9.29	55.18	10.88	63.62	12.20	65.68	13.26	66.62	13.33	67.42	13.50	68.04	13.60
	41	46.74	9.66	55.18	11.32	63.62	12.70	65.48	13.80	65.93	13.89	66.72	14.03	67.32	14.14
	43	46.74	10.14	55.18	11.88	63.62	13.33	64.80	14.49	65.25	14.64	66.02	14.76	66.95	14.83
	46	46.74	10.59	55.18	12.40	63.62	13.91	63.50	15.12	63.94	15.20	64.04	15.25	64.28	15.25
	48	46.74	10.96	55.18	12.83	63.62	14.40	63.05	15.65	63.29	15.74	63.38	15.91	62.94	15.94
	50	46.74	11.40	55.18	13.36	63.62	14.99	62.86	16.29	62.64	16.39	62.72	16.53	62.27	16.58

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	37.40	3.75	44.15	4.39	50.90	4.93	54.00	5.36	58.79	5.41	62.93	5.46	65.43	5.52
	12	37.40	3.82	44.15	4.47	50.90	5.02	54.00	5.45	58.79	5.51	62.93	5.56	64.86	5.62
	14	37.40	3.88	44.15	4.55	50.90	5.11	54.00	5.55	58.79	5.61	62.37	5.66	64.28	5.72
	16	37.40	3.95	44.15	4.63	50.90	5.20	54.00	5.65	58.79	5.70	61.81	5.76	63.70	5.82
	18	37.40	4.02	44.15	4.71	50.90	5.28	54.00	5.74	58.79	5.80	61.24	5.86	63.12	5.92
	19	37.40	4.09	44.15	4.79	50.90	5.37	54.00	5.84	58.79	5.90	60.68	5.96	62.54	6.02
	21	37.40	4.16	44.15	4.87	50.90	5.46	54.00	5.94	58.79	6.00	60.12	6.06	61.96	6.12
	23	37.40	4.23	44.15	4.95	50.90	5.55	54.00	6.04	58.79	6.10	59.56	6.16	61.38	6.22
	25	37.40	4.36	44.15	5.11	50.90	5.73	54.00	6.23	58.24	6.29	59.00	6.36	60.80	6.42
	27	37.40	4.43	44.15	5.19	50.90	5.82	54.00	6.33	57.69	6.39	58.43	6.46	60.22	6.52
	29	37.40	5.45	44.15	6.39	50.90	7.17	54.00	7.79	57.14	7.87	57.87	7.94	59.64	8.02
	31	37.40	6.13	44.15	7.19	50.90	8.06	54.00	8.76	56.59	8.85	57.31	8.94	59.07	9.03
	33	37.40	6.47	44.15	7.58	50.90	8.51	54.00	9.25	55.49	9.34	56.75	9.43	58.49	9.53
	35	37.40	6.82	44.15	7.98	50.90	8.96	54.00	9.74	54.95	9.83	56.19	9.93	57.91	10.03
	37	37.40	7.11	44.15	8.33	50.90	9.35	52.92	10.16	53.85	10.21	54.50	10.26	55.59	10.32
	39	37.40	7.36	44.15	8.62	50.90	9.67	52.54	10.52	53.30	10.57	53.94	10.71	54.43	10.78
	41	37.40	7.66	44.15	8.97	50.90	10.07	52.38	10.94	52.75	11.01	53.38	11.12	53.85	11.21
	43	37.40	8.04	44.15	9.42	50.90	10.57	51.84	11.49	52.20	11.60	52.82	11.70	53.56	11.75
	46	37.40	8.39	44.15	9.83	50.90	11.03	50.80	11.99	51.15	12.05	51.23	12.09	51.42	12.09
	48	37.40	8.69	44.15	10.17	50.90	11.42	50.44	12.41	50.63	12.47	50.70	12.61	50.35	12.63
	50	37.40	9.04	44.15	10.59	50.90	11.88	50.28	12.91	50.11	13.00	50.17	13.10	49.81	13.14
30%	10	28.05	3.43	33.11	4.02	38.17	4.51	40.50	4.90	44.09	4.95	47.20	5.00	49.08	5.05
	12	28.05	3.49	33.11	4.09	38.17	4.59	40.50	4.99	44.09	5.04	47.20	5.09	48.64	5.14
	14	28.05	3.55	33.11	4.16	38.17	4.67	40.50	5.08	44.09	5.13	46.78	5.18	48.21	5.23
	16	28.05	3.62	33.11	4.24	38.17	4.75	40.50	5.17	44.09	5.22	46.35	5.27	47.77	5.32
	18	28.05	3.68	33.11	4.31	38.17	4.84	40.50	5.26	44.09	5.31	45.93	5.36	47.34	5.41
	19	28.05	3.74	33.11	4.38	38.17	4.92	40.50	5.35	44.09	5.40	45.51	5.45	46.90	5.51
	21	28.05	3.80	33.11	4.46	38.17	5.00	40.50	5.43	44.09	5.49	45.09	5.54	46.47	5.60
	23	28.05	3.87	33.11	4.53	38.17	5.08	40.50	5.52	44.09	5.58	44.67	5.63	46.04	5.69
	25	28.05	3.99	33.11	4.68	38.17	5.25	40.50	5.70	43.68	5.76	44.25	5.82	45.60	5.87
	27	28.05	4.05	33.11	4.75	38.17	5.33	40.50	5.79	43.27	5.85	43.83	5.91	45.17	5.96
	29	28.05	4.99	33.11	5.84	38.17	6.56	40.50	7.13	42.86	7.20	43.40	7.27	44.73	7.34
	31	28.05	5.61	33.11	6.57	38.17	7.38	40.50	8.02	42.45	8.10	42.98	8.18	44.30	8.26
	33	28.05	5.92	33.11	6.94	38.17	7.79	40.50	8.46	41.62	8.55	42.56	8.63	43.86	8.72
	35	28.05	6.24	33.11	7.31	38.17	8.20	40.50	8.91	41.21	9.00	42.14	9.09	43.43	9.18
	37	28.05	6.51	33.11	7.62	38.17	8.55	39.69	9.30	40.38	9.35	40.88	9.39	41.69	9.44
	39	28.05	6.74	33.11	7.89	38.17	8.85	39.41	9.62	39.97	9.67	40.45	9.80	40.82	9.86
	41	28.05	7.01	33.11	8.21	38.17	9.21	39.29	10.01	39.56	10.08	40.03	10.18	40.39	10.26
	43	28.05	7.36	33.11	8.62	38.17	9.67	38.88	10.51	39.15	10.62	39.61	10.70	40.17	10.75
	46	28.05	7.68	33.11	9.00	38.17	10.09	38.10	10.97	38.37	11.03	38.42	11.06	38.57	11.06
	48	28.05	7.95	33.11	9.31	38.17	10.45	37.83	11.35	37.97	11.41	38.03	11.54	37.76	11.56
	50	28.05	8.27	33.11	9.69	38.17	10.87	37.71	11.82	37.58	11.89	37.63	11.99	37.36	12.02
20%	10	18.70	1.98	22.07	2.32	25.45	2.61	27.00	2.84	29.40	2.86	31.46	2.89	32.72	2.92
	12	18.70	2.02	22.07	2.37	25.45	2.66	27.00	2.89	29.40	2.92	31.46	2.94	32.43	2.97
	14	18.70	2.06	22.07	2.41	25.45	2.70	27.00	2.94	29.40	2.97	31.18	3.00	32.14	3.03
	16	18.70	2.09	22.07	2.45	25.45	2.75	27.00	2.99	29.40	3.02	30.90	3.05	31.85	3.08
	18	18.70	2.13	22.07	2.49	25.45	2.80	27.00	3.04	29.40	3.07	30.62	3.10	31.56	3.13
	19	18.70	2.16	22.07	2.54	25.45	2.85	27.00	3.09	29.40	3.12	30.34	3.15	31.27	3.19
	21	18.70	2.20	22.07	2.58	25.45	2.89	27.00	3.14	29.40	3.18	30.06	3.21	30.98	3.24
	23	18.70	2.24	22.07	2.62	25.45	2.94	27.00	3.20	29.40	3.23	29.78	3.26	30.69	3.29
	25	18.70	2.31	22.07	2.71	25.45	3.03	27.00	3.30	29.12	3.33	29.50	3.36	30.40	3.40
	27	18.70	2.35	22.07	2.75	25.45	3.08	27.00	3.35	28.85	3.38	29.22	3.42	30.11	3.45
	29	18.70	2.89	22.07	3.38	25.45	3.79	27.00	4.12	28.57	4.16	28.94	4.21	29.82	4.25
	31	18.70	3.25	22.07	3.80	25.45	4.27	27.00	4.64	28.30	4.69	28.66	4.73	29.53	4.78
	33	18.70	3.43	22.07	4.02	25.45	4.51	27.00	4.90	27.75	4.95	28.37	4.99	29.24	5.04
	35	18.70	3.61	22.07	4.23	25.45	4.74	27.00	5.15	27.47	5.21	28.09	5.26	28.95	5.31
	37	18.70	3.77	22.07	4.41	25.45	4.95	26.46	5.38	26.92	5.41	27.25	5.43	27.80	5.46
	39	18.70	3.90	22.07	4.56	25.45	5.12	26.27	5.57	26.65	5.60	26.97	5.67	27.22	5.71
	41	18.70	4.06	22.07	4.75	25.45	5.33	26.19	5.79	26.37	5.83	26.69	5.89	26.93	5.94
	43	18.70	4.26	22.07	4.99	25.45	5.60	25.92	6.08	26.10	6.14	26.41	6.19	26.78	6.22
	46	18.70	4.44	22.07	5.20	25.45	5.84	25.40	6.35	25.58	6.38	25.62	6.40	25.71	6.40
	48	18.70	4.60	22.07	5.39	25.45	6.04	25.22	6.57	25.32	6.60	25.35	6.68	25.18	6.69
	50	18.70	4.79	22.07	5.61	25.45	6.29	25.14	6.84	25.05	6.88	25.09	6.94	24.91	6.96

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR500ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	106.30	17.96	125.49	21.04	144.67	23.60	153.50	26.27	167.12	25.91	178.88	26.17	186.00	26.43
	12	106.30	18.29	125.49	21.42	144.67	24.03	153.50	26.75	167.12	26.38	178.88	26.64	184.36	26.91
	14	106.30	18.61	125.49	21.80	144.67	24.46	153.50	27.23	167.12	26.85	177.29	27.12	182.71	27.39
	16	106.30	18.94	125.49	22.19	144.67	24.89	153.50	27.71	167.12	27.33	175.69	27.60	181.07	27.87
	18	106.30	19.27	125.49	22.57	144.67	25.32	153.50	28.18	167.12	27.80	174.09	28.07	179.42	28.35
	19	106.30	19.59	125.49	22.95	140.33	25.75	153.50	28.66	167.12	28.27	172.49	28.55	177.77	28.83
	21	106.30	19.92	125.49	23.33	144.67	26.18	153.50	29.14	167.12	28.74	170.90	29.02	176.13	29.31
	23	106.30	20.24	125.49	23.72	144.67	26.61	153.50	29.62	167.12	29.21	169.30	29.50	174.48	29.79
	25	106.30	20.90	125.49	24.48	144.67	27.47	153.50	30.57	165.56	30.15	167.70	30.45	172.84	30.75
	27	106.30	21.22	125.49	24.86	144.67	27.89	153.50	31.05	164.00	30.62	166.11	30.93	171.19	31.23
	29	106.30	26.12	125.49	30.60	144.67	34.33	153.50	38.22	162.43	37.69	164.51	38.06	169.54	38.44
	31	106.30	29.39	125.49	34.43	144.67	38.62	153.50	42.99	160.87	42.40	162.91	42.82	167.90	43.24
	33	106.30	31.02	125.49	36.34	144.67	40.77	153.50	45.38	157.75	44.76	161.31	45.20	166.25	45.64
	35	106.30	32.65	125.49	38.25	144.67	42.91	153.50	47.77	156.19	47.11	159.72	47.58	164.61	48.05
	37	106.30	34.08	125.49	39.92	144.67	44.79	150.43	49.85	153.06	48.93	154.93	49.18	158.02	49.42
	39	106.30	35.26	125.49	41.31	144.67	46.35	149.36	51.59	151.50	50.65	153.33	51.29	154.73	51.65
	41	106.30	36.70	125.49	42.99	144.67	48.24	148.90	53.69	149.94	52.77	151.73	53.29	153.08	53.72
	43	106.30	38.53	125.49	45.14	144.67	50.64	147.36	56.37	148.38	55.59	150.13	56.05	152.26	56.31
	46	106.30	40.21	125.49	47.10	144.67	52.85	144.41	58.83	145.41	57.74	145.63	57.93	146.17	57.92
	48	106.30	41.61	125.49	48.75	144.67	54.69	143.38	60.88	143.93	59.76	144.13	60.42	143.12	60.53
	50	106.30	43.31	125.49	50.73	144.67	56.92	142.94	63.36	142.44	62.26	142.63	62.77	141.60	62.95
120%	10	104.57	17.78	123.44	20.83	142.32	23.37	151.00	26.02	164.40	25.66	175.97	25.91	182.98	26.17
	12	104.57	18.11	123.44	21.21	142.32	23.80	151.00	26.49	164.40	26.13	175.97	26.39	181.36	26.64
	14	104.57	18.43	123.44	21.59	142.32	24.22	151.00	26.96	164.40	26.59	174.40	26.86	179.74	27.12
	16	104.57	18.75	123.44	21.97	142.32	24.65	151.00	27.44	164.40	27.06	172.83	27.33	178.12	27.60
	18	104.57	19.08	123.44	22.35	142.32	25.07	151.00	27.91	164.40	27.53	171.26	27.80	176.50	28.07
	19	104.57	19.40	123.44	22.73	142.32	25.50	151.00	28.38	164.40	27.99	169.68	28.27	174.88	28.55
	21	104.57	19.72	123.44	23.11	142.32	25.92	151.00	28.86	164.40	28.46	168.11	28.74	173.26	29.02
	23	104.57	20.05	123.44	23.48	142.32	26.35	151.00	29.33	164.40	28.93	166.54	29.21	171.64	29.50
	25	104.57	20.69	123.44	24.24	142.32	27.20	151.00	30.28	162.86	29.86	164.97	30.16	170.02	30.45
	27	104.57	21.02	123.44	24.62	142.32	27.62	151.00	30.75	161.32	30.33	163.40	30.63	168.40	30.93
	29	104.57	25.87	123.44	30.30	142.32	34.00	151.00	37.85	159.79	37.32	161.83	37.69	166.78	38.06
	31	104.57	29.10	123.44	34.09	142.32	38.25	151.00	42.58	158.25	41.99	160.26	42.41	165.16	42.82
	33	104.57	30.72	123.44	35.98	142.32	40.37	151.00	44.94	155.18	44.32	158.69	44.76	163.54	45.20
	35	104.57	32.34	123.44	37.88	142.32	42.50	151.00	47.31	153.64	46.66	157.12	47.12	161.92	47.58
	37	104.57	33.75	123.44	39.53	142.32	44.35	147.98	49.37	150.57	48.46	152.40	48.70	155.45	48.94
	39	104.57	34.92	123.44	40.91	142.32	45.90	146.92	51.09	149.03	50.15	150.83	50.79	152.21	51.15
	41	104.57	36.35	123.44	42.58	142.32	47.77	146.47	53.17	147.50	52.25	149.26	52.77	150.59	53.19
	43	104.57	38.16	123.44	44.70	142.32	50.15	144.96	55.82	145.96	55.05	147.69	55.50	149.78	55.76
	46	104.57	39.82	123.44	46.65	142.32	52.33	142.06	58.26	143.04	57.18	143.26	57.37	143.79	57.36
	48	104.57	41.21	123.44	48.27	142.32	54.16	141.05	60.29	141.58	59.18	141.78	59.83	140.79	59.95
	50	104.57	42.89	123.44	50.24	142.32	56.37	140.61	62.74	140.12	61.66	140.30	62.16	139.30	62.34
110%	10	102.84	17.36	121.40	20.34	139.96	22.82	148.50	25.40	161.68	25.05	173.06	25.30	179.95	25.55
	12	102.84	17.68	121.40	20.71	139.96	23.23	148.50	25.86	161.68	25.51	173.06	25.76	178.35	26.01
	14	102.84	17.99	121.40	21.08	139.96	23.65	148.50	26.32	161.68	25.96	171.51	26.22	176.76	26.47
	16	102.84	18.31	121.40	21.45	139.96	24.06	148.50	26.78	161.68	26.42	169.97	26.68	175.17	26.94
	18	102.84	18.62	121.40	21.82	139.96	24.48	148.50	27.25	161.68	26.87	168.42	27.14	173.58	27.40
	19	102.84	18.94	121.40	22.19	139.96	24.89	148.50	27.71	161.68	27.33	166.88	27.60	171.98	27.87
	21	102.84	19.26	121.40	22.56	139.96	25.31	148.50	28.17	161.68	27.78	165.33	28.06	170.39	28.33
	23	102.84	19.57	121.40	22.93	139.96	25.72	148.50	28.63	161.68	28.24	163.79	28.52	168.80	28.80
	25	102.84	20.20	121.40	23.67	139.96	26.55	148.50	29.56	160.16	29.15	162.24	29.44	167.21	29.73
	27	102.84	20.52	121.40	24.03	139.96	26.97	148.50	30.02	158.65	29.60	160.69	29.90	165.61	30.19
	29	102.84	25.25	121.40	29.58	139.96	33.19	148.50	36.94	157.14	36.44	159.15	36.80	164.02	37.16
	31	102.84	28.41	121.40	33.28	139.96	37.34	148.50	41.56	155.63	40.99	157.60	41.40	162.43	41.80
	33	102.84	29.99	121.40	35.13	139.96	39.41	148.50	43.87	152.61	43.27	156.06	43.70	160.84	44.12
	35	102.84	31.57	121.40	36.98	139.96	41.49	148.50	46.18	151.10	45.54	154.51	46.00	159.24	46.45
	37	102.84	32.94	121.40	38.59	139.96	43.30	145.53	48.19	148.08	47.30	149.88	47.54	152.87	47.77
	39	102.84	34.09	121.40	39.94	139.96	44.81	144.49	49.87	146.57	48.96	148.33	49.58	149.69	49.93
	41	102.84	35.48	121.40	41.56	139.96	46.63	144.05	51.91	145.05	51.01	146.79	51.52	148.10	51.93
	43	102.84	37.25	121.40	43.63	139.96	48.95	142.56	54.49	143.54	53.74	145.24	54.18	147.30	54.44
	46	102.84	38.87	121.40	45.54	139.96	51.09	139.71	56.87	140.67	55.82	140.89	56.00	141.41	55.99
	48	102.84	40.23	121.40	47.12	139.96	52.87	138.71	58.85	139.24	57.77	139.43	58.41	138.46	58.52
	50	102.84	41.87	121.40	49.04	139.96	55.02	138.28	61.25	137.80	60.19	137.98	60.68	136.99	60.86

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	96.95	16.44	114.45	19.26	131.95	21.61	140.00	23.49	152.42	23.72	163.15	23.95	169.65	24.19
	12	96.95	16.74	114.45	19.61	131.95	22.00	140.00	23.91	152.42	24.15	163.15	24.39	168.14	24.63
	14	96.95	17.04	114.45	19.96	131.95	22.39	140.00	24.34	152.42	24.58	161.69	24.83	166.64	25.07
	16	96.95	17.34	114.45	20.31	131.95	22.78	140.00	24.77	152.42	25.01	160.24	25.26	165.14	25.51
	18	96.95	17.64	114.45	20.66	131.95	23.18	140.00	25.19	152.42	25.44	158.78	25.70	163.64	25.95
	19	96.95	17.93	114.45	21.01	131.95	23.57	140.00	25.62	152.42	25.88	157.32	26.13	162.14	26.39
	21	96.95	18.23	114.45	21.36	131.95	23.96	140.00	26.05	152.42	26.31	155.87	26.57	160.64	26.83
	23	96.95	18.53	114.45	21.71	131.95	24.36	140.00	26.47	152.42	26.74	154.41	27.00	159.14	27.27
	25	96.95	19.13	114.45	22.41	131.95	25.14	140.00	27.33	151.00	27.60	152.95	27.87	157.64	28.15
	27	96.95	19.43	114.45	22.76	131.95	25.53	140.00	27.76	149.57	28.03	151.50	28.31	156.13	28.59
	29	96.95	23.91	114.45	28.01	131.95	31.43	140.00	34.16	148.15	34.50	150.04	34.84	154.63	35.18
	31	96.95	26.90	114.45	31.51	131.95	35.36	140.00	38.43	146.72	38.81	148.58	39.20	153.13	39.58
	33	96.95	28.40	114.45	33.26	131.95	37.32	140.00	40.57	143.87	40.97	147.13	41.38	151.63	41.78
	35	96.95	29.89	114.45	35.01	131.95	39.28	140.00	42.70	142.45	43.13	145.67	43.55	150.13	43.98
	37	96.95	31.19	114.45	36.54	131.95	41.00	137.20	44.56	139.60	44.79	141.30	45.02	144.12	45.24
	39	96.95	32.28	114.45	37.82	131.95	42.43	136.22	46.12	138.18	46.36	139.84	46.95	141.12	47.28
	41	96.95	33.60	114.45	39.36	131.95	44.16	135.80	47.99	136.75	48.30	138.39	48.78	139.62	49.17
	43	96.95	35.27	114.45	41.32	131.95	46.36	134.40	50.39	135.33	50.89	136.93	51.31	138.87	51.55
	46	96.95	36.81	114.45	43.12	131.95	48.38	131.71	52.58	132.62	52.85	132.82	53.03	133.31	53.02
	48	96.95	38.09	114.45	44.62	131.95	50.06	130.77	54.42	131.27	54.71	131.45	55.31	130.54	55.41
	50	96.95	39.64	114.45	46.44	131.95	52.10	130.37	56.63	129.91	57.00	130.08	57.46	129.15	57.63
90%	10	87.26	13.80	103.01	16.16	118.76	18.14	126.00	20.19	137.18	19.91	146.84	20.11	152.68	20.30
	12	87.26	14.05	103.01	16.46	118.76	18.47	126.00	20.56	137.18	20.27	146.84	20.47	151.33	20.67
	14	87.26	14.30	103.01	16.75	118.76	18.80	126.00	20.92	137.18	20.63	145.52	20.84	149.98	21.04
	16	87.26	14.55	103.01	17.05	118.76	19.13	126.00	21.29	137.18	21.00	144.21	21.20	148.63	21.41
	18	87.26	14.80	103.01	17.34	118.76	19.46	126.00	21.66	137.18	21.36	142.90	21.57	147.28	21.78
	19	87.26	15.05	103.01	17.63	118.76	19.78	126.00	22.02	137.18	21.72	141.59	21.94	145.93	22.15
	21	87.26	15.30	103.01	17.93	118.76	20.11	126.00	22.39	137.18	22.08	140.28	22.30	144.57	22.52
	23	87.26	15.56	103.01	18.22	118.76	20.44	126.00	22.76	137.18	22.44	138.97	22.67	143.22	22.89
	25	87.26	16.06	103.01	18.81	118.76	21.10	126.00	23.49	135.90	23.17	137.66	23.40	141.87	23.63
	27	87.26	16.31	103.01	19.10	118.76	21.43	126.00	23.86	134.62	23.53	136.35	23.76	140.52	24.00
	29	87.26	20.07	103.01	23.51	118.76	26.38	126.00	29.36	133.33	28.96	135.04	29.25	139.17	29.53
	31	87.26	22.58	103.01	26.45	118.76	29.68	126.00	33.04	132.05	32.58	133.73	32.90	137.82	33.23
	33	87.26	23.84	103.01	27.92	118.76	31.33	126.00	34.87	129.49	34.39	132.41	34.73	136.47	35.07
	35	87.26	25.09	103.01	29.39	118.76	32.97	126.00	36.71	128.21	36.20	131.10	36.56	135.12	36.92
	37	87.26	26.18	103.01	30.67	118.76	34.41	123.48	38.31	125.64	37.60	127.17	37.79	129.71	37.97
	39	87.26	27.10	103.01	31.74	118.76	35.61	122.60	39.64	124.36	38.92	125.86	39.41	127.01	39.69
	41	87.26	28.20	103.01	33.03	118.76	37.06	122.22	41.26	123.08	40.54	124.55	40.95	125.66	41.27
	43	87.26	29.61	103.01	34.68	118.76	38.91	120.96	43.31	121.79	42.72	123.24	43.07	124.98	43.27
	46	87.26	30.90	103.01	36.19	118.76	40.61	118.54	45.20	119.36	44.37	119.54	44.51	119.98	44.50
	48	87.26	31.97	103.01	37.46	118.76	42.02	117.69	46.78	118.14	45.92	118.31	46.43	117.48	46.51
	50	87.26	33.28	103.01	38.98	118.76	43.74	117.33	48.68	116.92	47.84	117.07	48.23	116.23	48.37
80%	10	77.56	11.31	91.56	13.25	105.56	14.86	112.00	16.54	121.94	16.32	130.52	16.48	135.72	16.64
	12	77.56	11.51	91.56	13.49	105.56	15.13	112.00	16.84	121.94	16.61	130.52	16.78	134.52	16.94
	14	77.56	11.72	91.56	13.73	105.56	15.40	112.00	17.15	121.94	16.91	129.35	17.08	133.31	17.24
	16	77.56	11.93	91.56	13.97	105.56	15.67	112.00	17.45	121.94	17.21	128.19	17.38	132.11	17.55
	18	77.56	12.13	91.56	14.21	105.56	15.94	112.00	17.75	121.94	17.50	127.02	17.68	130.91	17.85
	19	77.56	12.34	91.56	14.45	105.56	16.21	112.00	18.05	121.94	17.80	125.86	17.98	129.71	18.15
	21	77.56	12.54	91.56	14.69	105.56	16.48	112.00	18.35	121.94	18.10	124.69	18.28	128.51	18.45
	23	77.56	12.75	91.56	14.93	105.56	16.75	112.00	18.65	121.94	18.39	123.53	18.58	127.31	18.76
	25	77.56	13.16	91.56	15.41	105.56	17.29	112.00	19.25	120.80	18.99	122.36	19.17	126.11	19.36
	27	77.56	13.36	91.56	15.66	105.56	17.56	112.00	19.55	119.66	19.28	121.20	19.47	124.91	19.66
	29	77.56	16.45	91.56	19.27	105.56	21.62	112.00	24.06	118.52	23.73	120.03	23.97	123.71	24.20
	31	77.56	18.50	91.56	21.68	105.56	24.32	112.00	27.07	117.38	26.70	118.87	26.96	122.51	27.23
	33	77.56	19.53	91.56	22.88	105.56	25.67	112.00	28.58	115.10	28.18	117.70	28.46	121.30	28.74
	35	77.56	20.56	91.56	24.09	105.56	27.02	112.00	30.08	113.96	29.67	116.54	29.96	120.10	30.25
	37	77.56	21.46	91.56	25.14	105.56	28.20	109.76	31.39	111.68	30.81	113.04	30.97	115.30	31.12
	39	77.56	22.21	91.56	26.01	105.56	29.18	108.98	32.49	110.54	31.89	111.87	32.30	112.90	32.52
	41	77.56	23.11	91.56	27.07	105.56	30.37	108.64	33.81	109.40	33.23	110.71	33.56	111.70	33.82
	43	77.56	24.26	91.56	28.42	105.56	31.89	107.52	35.49	108.26	35.01	109.54	35.29	111.10	35.46
	46	77.56	25.32	91.56	29.66	105.56	33.28	105.37	37.04	106.10	36.36	106.26	36.48	106.65	36.47
	48	77.56	26.20	91.56	30.69	105.56	34.44	104.62	38.33	105.01	37.63	105.16	38.05	104.43	38.12
	50	77.56	27.27	91.56	31.94	105.56	35.84	104.29	39.90	103.93	39.21	104.07	39.53	103.32	39.64

Note: TC: Total capacity, PI: Power input.

Outdoor  
unit

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External Wiring  
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Installation

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Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	67.87	8.99	80.12	10.53	92.37	11.82	98.00	13.16	106.70	12.97	114.21	13.10	118.75	13.23
	12	67.87	9.16	80.12	10.72	92.37	12.03	98.00	13.39	106.70	13.21	114.21	13.34	117.70	13.47
	14	67.87	9.32	80.12	10.92	92.37	12.25	98.00	13.63	106.70	13.45	113.19	13.58	116.65	13.71
	16	67.87	9.48	80.12	11.11	92.37	12.46	98.00	13.87	106.70	13.68	112.17	13.82	115.60	13.95
	18	67.87	9.65	80.12	11.30	92.37	12.68	98.00	14.11	106.70	13.92	111.15	14.06	114.55	14.19
	19	67.87	9.81	80.12	11.49	92.37	12.89	98.00	14.35	106.70	14.15	110.13	14.29	113.50	14.43
	21	67.87	9.97	80.12	11.68	92.37	13.11	98.00	14.59	106.70	14.39	109.11	14.53	112.45	14.67
	23	67.87	10.14	80.12	11.87	92.37	13.32	98.00	14.83	106.70	14.63	108.09	14.77	111.40	14.91
	25	67.87	10.46	80.12	12.26	92.37	13.75	98.00	15.31	105.70	15.10	107.07	15.25	110.34	15.40
	27	67.87	10.63	80.12	12.45	92.37	13.97	98.00	15.55	104.70	15.33	106.05	15.48	109.29	15.64
	29	67.87	13.08	80.12	15.32	92.37	17.19	98.00	19.13	103.70	18.87	105.03	19.06	108.24	19.25
	31	67.87	14.71	80.12	17.24	92.37	19.34	98.00	21.53	102.71	21.23	104.01	21.44	107.19	21.65
	33	67.87	15.53	80.12	18.19	92.37	20.41	98.00	22.72	100.71	22.41	102.99	22.63	106.14	22.85
	35	67.87	16.35	80.12	19.15	92.37	21.49	98.00	23.92	99.72	23.59	101.97	23.82	105.09	24.06
	37	67.87	17.06	80.12	19.99	92.37	22.42	96.04	24.96	97.72	24.50	98.91	24.62	100.89	24.74
	39	67.87	17.66	80.12	20.68	92.37	23.21	95.35	25.83	96.72	25.36	97.89	25.68	98.78	25.86
	41	67.87	18.38	80.12	21.53	92.37	24.15	95.06	26.88	95.73	26.42	96.87	26.68	97.73	26.89
	43	67.87	19.29	80.12	22.60	92.37	25.35	94.08	28.22	94.73	27.84	95.85	28.06	97.21	28.19
	46	67.87	20.13	80.12	23.58	92.37	26.46	92.20	29.45	92.83	28.91	92.98	29.01	93.32	29.00
	48	67.87	20.84	80.12	24.41	92.37	27.38	91.54	30.48	91.89	29.92	92.02	30.25	91.38	30.31
	50	67.87	21.68	80.12	25.40	92.37	28.50	91.26	31.72	90.94	31.18	91.06	31.43	90.40	31.52
60%	10	58.17	6.82	68.67	7.99	79.17	8.97	84.00	9.98	91.45	9.85	97.89	9.94	101.79	10.04
	12	58.17	6.95	68.67	8.14	79.17	9.13	84.00	10.17	91.45	10.03	97.89	10.13	100.89	10.22
	14	58.17	7.07	68.67	8.29	79.17	9.30	84.00	10.35	91.45	10.21	97.02	10.31	99.99	10.41
	16	58.17	7.20	68.67	8.43	79.17	9.46	84.00	10.53	91.45	10.38	96.14	10.49	99.09	10.59
	18	58.17	7.32	68.67	8.58	79.17	9.62	84.00	10.71	91.45	10.56	95.27	10.67	98.18	10.77
	19	58.17	7.45	68.67	8.72	79.17	9.79	84.00	10.89	91.45	10.74	94.39	10.85	97.28	10.96
	21	58.17	7.57	68.67	8.87	79.17	9.95	84.00	11.07	91.45	10.92	93.52	11.03	96.38	11.14
	23	58.17	7.69	68.67	9.01	79.17	10.11	84.00	11.26	91.45	11.10	92.65	11.21	95.48	11.32
	25	58.17	7.94	68.67	9.30	79.17	10.44	84.00	11.62	90.60	11.46	91.77	11.57	94.58	11.69
	27	58.17	8.07	68.67	9.45	79.17	10.60	84.00	11.80	89.74	11.64	90.90	11.75	93.68	11.87
	29	58.17	9.93	68.67	11.63	79.17	13.05	84.00	14.52	88.89	14.32	90.02	14.47	92.78	14.61
	31	58.17	11.17	68.67	13.08	79.17	14.68	84.00	16.34	88.03	16.11	89.15	16.27	91.88	16.43
	33	58.17	11.79	68.67	13.81	79.17	15.49	84.00	17.25	86.32	17.01	88.28	17.18	90.98	17.35
	35	58.17	12.41	68.67	14.54	79.17	16.31	84.00	18.15	85.47	17.90	87.40	18.08	90.08	18.26
	37	58.17	12.95	68.67	15.17	79.17	17.02	82.32	18.95	83.76	18.60	84.78	18.69	86.47	18.78
	39	58.17	13.40	68.67	15.70	79.17	17.61	81.73	19.61	82.91	19.25	83.91	19.49	84.67	19.63
	41	58.17	13.95	68.67	16.34	79.17	18.33	81.48	20.41	82.05	20.05	83.03	20.25	83.77	20.41
	43	58.17	14.64	68.67	17.15	79.17	19.24	80.64	21.42	81.20	21.13	82.16	21.30	83.32	21.40
	46	58.17	15.28	68.67	17.90	79.17	20.08	79.03	22.36	79.57	21.94	79.69	22.02	79.99	22.01
	48	58.17	15.81	68.67	18.52	79.17	20.78	78.46	23.14	78.76	22.71	78.87	22.96	78.32	23.00
	50	58.17	16.46	68.67	19.28	79.17	21.63	78.22	24.08	77.95	23.66	78.05	23.86	77.49	23.92
50%	10	48.48	4.81	57.23	5.63	65.98	6.32	70.00	7.03	76.21	6.94	81.58	7.00	84.82	7.07
	12	48.48	4.89	57.23	5.73	65.98	6.43	70.00	7.16	76.21	7.06	81.58	7.13	84.07	7.20
	14	48.48	4.98	57.23	5.84	65.98	6.55	70.00	7.29	76.21	7.19	80.85	7.26	83.32	7.33
	16	48.48	5.07	57.23	5.94	65.98	6.66	70.00	7.42	76.21	7.31	80.12	7.39	82.57	7.46
	18	48.48	5.16	57.23	6.04	65.98	6.78	70.00	7.54	76.21	7.44	79.39	7.51	81.82	7.59
	19	48.48	5.24	57.23	6.14	65.98	6.89	70.00	7.67	76.21	7.57	78.66	7.64	81.07	7.72
	21	48.48	5.33	57.23	6.25	65.98	7.01	70.00	7.80	76.21	7.69	77.93	7.77	80.32	7.85
	23	48.48	5.42	57.23	6.35	65.98	7.12	70.00	7.93	76.21	7.82	77.21	7.90	79.57	7.97
	25	48.48	5.59	57.23	6.55	65.98	7.35	70.00	8.18	75.50	8.07	76.48	8.15	78.82	8.23
	27	48.48	5.68	57.23	6.66	65.98	7.47	70.00	8.31	74.79	8.20	75.75	8.28	78.07	8.36
	29	48.48	6.99	57.23	8.19	65.98	9.19	70.00	10.23	74.07	10.09	75.02	10.19	77.32	10.29
	31	48.48	7.87	57.23	9.22	65.98	10.34	70.00	11.51	73.36	11.35	74.29	11.46	76.57	11.57
	33	48.48	8.30	57.23	9.73	65.98	10.91	70.00	12.15	71.94	11.98	73.56	12.10	75.82	12.22
	35	48.48	8.74	57.23	10.24	65.98	11.49	70.00	12.79	71.23	12.61	72.84	12.74	75.06	12.86
	37	48.48	9.12	57.23	10.69	65.98	11.99	68.60	13.34	69.80	13.10	70.65	13.16	72.06	13.23
	39	48.48	9.44	57.23	11.06	65.98	12.41	68.11	13.81	69.09	13.56	69.92	13.73	70.56	13.83
	41	48.48	9.82	57.23	11.51	65.98	12.91	67.90	14.37	68.38	14.12	69.19	14.26	69.81	14.38
	43	48.48	10.31	57.23	12.08	65.98	13.56	67.20	15.09	67.66	14.88	68.46	15.00	69.43	15.07
	46	48.48	10.76	57.23	12.61	65.98	14.15	65.86	15.75	66.31	15.46	66.41	15.51	66.66	15.50
	48	48.48	11.14	57.23	13.05	65.98	14.64	65.39	16.30	65.63	16.00	65.73	16.17	65.27	16.20
	50	48.48	11.59	57.23	13.58	65.98	15.24	65.18	16.96	64.96	16.67	65.04	16.80	64.57	16.85

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	38.78	3.81	45.78	4.46	52.78	5.01	56.00	5.58	60.97	5.50	65.26	5.55	67.86	5.61
	12	38.78	3.88	45.78	4.55	52.78	5.10	56.00	5.68	60.97	5.60	65.26	5.65	67.26	5.71
	14	38.78	3.95	45.78	4.63	52.78	5.19	56.00	5.78	60.97	5.70	64.68	5.76	66.66	5.81
	16	38.78	4.02	45.78	4.71	52.78	5.28	56.00	5.88	60.97	5.80	64.09	5.86	66.06	5.91
	18	38.78	4.09	45.78	4.79	52.78	5.37	56.00	5.98	60.97	5.90	63.51	5.96	65.46	6.02
	19	38.78	4.16	45.78	4.87	52.78	5.46	56.00	6.08	60.97	6.00	62.93	6.06	64.86	6.12
	21	38.78	4.23	45.78	4.95	52.78	5.56	56.00	6.18	60.97	6.10	62.35	6.16	64.26	6.22
	23	38.78	4.30	45.78	5.03	52.78	5.65	56.00	6.29	60.97	6.20	61.76	6.26	63.65	6.32
	25	38.78	4.43	45.78	5.19	52.78	5.83	56.00	6.49	60.40	6.40	61.18	6.46	63.05	6.53
	27	38.78	4.50	45.78	5.28	52.78	5.92	56.00	6.59	59.83	6.50	60.60	6.56	62.45	6.63
	29	38.78	5.54	45.78	6.49	52.78	7.29	56.00	8.11	59.26	8.00	60.02	8.08	61.85	8.16
	31	38.78	6.24	45.78	7.31	52.78	8.20	56.00	9.12	58.69	9.00	59.43	9.09	61.25	9.18
	33	38.78	6.58	45.78	7.71	52.78	8.65	56.00	9.63	57.55	9.50	58.85	9.59	60.65	9.69
	35	38.78	6.93	45.78	8.12	52.78	9.11	56.00	10.14	56.98	10.00	58.27	10.10	60.05	10.20
	37	38.78	7.23	45.78	8.47	52.78	9.50	54.88	10.58	55.84	10.38	56.52	10.44	57.65	10.49
	39	38.78	7.48	45.78	8.77	52.78	9.84	54.49	10.95	55.27	10.75	55.94	10.88	56.45	10.96
	41	38.78	7.79	45.78	9.12	52.78	10.24	54.32	11.39	54.70	11.20	55.35	11.31	55.85	11.40
	43	38.78	8.18	45.78	9.58	52.78	10.75	53.76	11.96	54.13	11.80	54.77	11.89	55.55	11.95
	46	38.78	8.53	45.78	10.00	52.78	11.21	52.68	12.48	53.05	12.25	53.13	12.29	53.33	12.29
	48	38.78	8.83	45.78	10.34	52.78	11.61	52.31	12.92	52.51	12.68	52.58	12.82	52.21	12.85
	50	38.78	9.19	45.78	10.77	52.78	12.08	52.15	13.45	51.97	13.21	52.03	13.32	51.66	13.36
30%	10	29.09	3.49	34.34	4.08	39.59	4.58	42.00	5.10	45.73	5.03	48.95	5.08	50.89	5.13
	12	29.09	3.55	34.34	4.16	39.59	4.67	42.00	5.19	45.73	5.12	48.95	5.17	50.44	5.22
	14	29.09	3.61	34.34	4.23	39.59	4.75	42.00	5.29	45.73	5.21	48.51	5.27	49.99	5.32
	16	29.09	3.68	34.34	4.31	39.59	4.83	42.00	5.38	45.73	5.31	48.07	5.36	49.54	5.41
	18	29.09	3.74	34.34	4.38	39.59	4.92	42.00	5.47	45.73	5.40	47.63	5.45	49.09	5.50
	19	29.09	3.80	34.34	4.46	39.59	5.00	42.00	5.57	45.73	5.49	47.20	5.54	48.64	5.60
	21	29.09	3.87	34.34	4.53	39.59	5.08	42.00	5.66	45.73	5.58	46.76	5.64	48.19	5.69
	23	29.09	3.93	34.34	4.60	39.59	5.17	42.00	5.75	45.73	5.67	46.32	5.73	47.74	5.78
	25	29.09	4.06	34.34	4.75	39.59	5.33	42.00	5.94	45.30	5.85	45.89	5.91	47.29	5.97
	27	29.09	4.12	34.34	4.83	39.59	5.42	42.00	6.03	44.87	5.95	45.45	6.01	46.84	6.06
	29	29.09	5.07	34.34	5.94	39.59	6.67	42.00	7.42	44.44	7.32	45.01	7.39	46.39	7.46
	31	29.09	5.71	34.34	6.68	39.59	7.50	42.00	8.35	44.02	8.23	44.58	8.31	45.94	8.40
	33	29.09	6.02	34.34	7.06	39.59	7.92	42.00	8.81	43.16	8.69	44.14	8.78	45.49	8.86
	35	29.09	6.34	34.34	7.43	39.59	8.33	42.00	9.28	42.74	9.15	43.70	9.24	45.04	9.33
	37	29.09	6.62	34.34	7.75	39.59	8.70	41.16	9.68	41.88	9.50	42.39	9.55	43.24	9.60
	39	29.09	6.85	34.34	8.02	39.59	9.00	40.87	10.02	41.45	9.83	41.95	9.96	42.34	10.03
	41	29.09	7.13	34.34	8.35	39.59	9.37	40.74	10.43	41.03	10.25	41.52	10.35	41.89	10.43
	43	29.09	7.48	34.34	8.76	39.59	9.83	40.32	10.95	40.60	10.79	41.08	10.88	41.66	10.93
	46	29.09	7.81	34.34	9.15	39.59	10.26	39.51	11.42	39.79	11.21	39.85	11.25	39.99	11.25
	48	29.09	8.08	34.34	9.47	39.59	10.62	39.23	11.82	39.38	11.60	39.44	11.73	39.16	11.75
	50	29.09	8.41	34.34	9.85	39.59	11.05	39.11	12.30	38.97	12.09	39.02	12.19	38.74	12.22
20%	10	19.39	2.02	22.89	2.36	26.39	2.65	28.00	2.95	30.48	2.91	32.63	2.94	33.93	2.97
	12	19.39	2.05	22.89	2.41	26.39	2.70	28.00	3.01	30.48	2.96	32.63	2.99	33.63	3.02
	14	19.39	2.09	22.89	2.45	26.39	2.75	28.00	3.06	30.48	3.02	32.34	3.05	33.33	3.08
	16	19.39	2.13	22.89	2.49	26.39	2.80	28.00	3.11	30.48	3.07	32.05	3.10	33.03	3.13
	18	19.39	2.16	22.89	2.54	26.39	2.84	28.00	3.17	30.48	3.12	31.76	3.15	32.73	3.18
	19	19.39	2.20	22.89	2.58	26.39	2.89	28.00	3.22	30.48	3.18	31.46	3.21	32.43	3.24
	21	19.39	2.24	22.89	2.62	26.39	2.94	28.00	3.27	30.48	3.23	31.17	3.26	32.13	3.29
	23	19.39	2.27	22.89	2.66	26.39	2.99	28.00	3.33	30.48	3.28	30.88	3.31	31.83	3.35
	25	19.39	2.35	22.89	2.75	26.39	3.09	28.00	3.43	30.20	3.39	30.59	3.42	31.53	3.45
	27	19.39	2.38	22.89	2.79	26.39	3.13	28.00	3.49	29.91	3.44	30.30	3.47	31.23	3.51
	29	19.39	2.93	22.89	3.44	26.39	3.86	28.00	4.29	29.63	4.23	30.01	4.28	30.93	4.32
	31	19.39	3.30	22.89	3.87	26.39	4.34	28.00	4.83	29.34	4.76	29.72	4.81	30.63	4.86
	33	19.39	3.48	22.89	4.08	26.39	4.58	28.00	5.10	28.77	5.03	29.43	5.08	30.33	5.13
	35	19.39	3.67	22.89	4.30	26.39	4.82	28.00	5.37	28.49	5.29	29.13	5.35	30.03	5.40
	37	19.39	3.83	22.89	4.48	26.39	5.03	27.44	5.60	27.92	5.50	28.26	5.52	28.82	5.55
	39	19.39	3.96	22.89	4.64	26.39	5.21	27.24	5.80	27.64	5.69	27.97	5.76	28.22	5.80
	41	19.39	4.12	22.89	4.83	26.39	5.42	27.16	6.03	27.35	5.93	27.68	5.99	27.92	6.03
	43	19.39	4.33	22.89	5.07	26.39	5.69	26.88	6.33	27.07	6.25	27.39	6.30	27.77	6.33
	46	19.39	4.52	22.89	5.29	26.39	5.94	26.34	6.61	26.52	6.49	26.56	6.51	26.66	6.51
	48	19.39	4.67	22.89	5.48	26.39	6.14	26.15	6.84	26.25	6.71	26.29	6.79	26.11	6.80
	50	19.39	4.87	22.89	5.70	26.39	6.39	26.07	7.12	25.98	7.00	26.02	7.05	25.83	7.07

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR520ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	110.85	19.30	130.86	22.61	150.87	25.37	160.08	27.79	174.28	27.85	186.55	28.13	193.98	28.41
	12	110.85	19.66	130.86	23.03	150.87	25.83	160.08	28.30	174.28	28.36	186.55	28.64	192.26	28.92
	14	110.85	20.01	130.86	23.44	150.87	26.29	160.08	28.80	174.28	28.87	184.88	29.15	190.54	29.44
	16	110.85	20.36	130.86	23.85	150.87	26.76	160.08	29.31	174.28	29.37	183.22	29.66	188.83	29.95
	18	110.85	20.71	130.86	24.26	150.87	27.22	160.08	29.81	174.28	29.88	181.55	30.18	187.11	30.47
	19	110.85	21.06	130.86	24.67	146.35	27.68	160.08	30.32	174.28	30.39	179.89	30.69	185.39	30.99
	21	110.85	21.41	130.86	25.08	150.87	28.14	160.08	30.83	174.28	30.89	178.22	31.20	183.68	31.50
	23	110.85	21.76	130.86	25.49	150.87	28.60	160.08	31.33	174.28	31.40	176.56	31.71	181.96	32.02
	25	110.85	22.46	130.86	26.31	150.87	29.52	160.08	32.34	172.65	32.41	174.89	32.73	180.24	33.05
	27	110.85	22.81	130.86	26.73	150.87	29.99	160.08	32.85	171.02	32.92	173.22	33.24	178.53	33.57
	29	110.85	28.08	130.86	32.89	150.87	36.90	160.08	40.43	169.40	40.51	171.56	40.92	176.81	41.32
	31	110.85	31.59	130.86	37.00	150.87	41.52	160.08	45.48	167.77	45.58	169.89	46.03	175.09	46.48
	33	110.85	33.34	130.86	39.06	150.87	43.82	160.08	48.01	164.51	48.11	168.23	48.59	173.38	49.06
	35	110.85	35.10	130.86	41.12	150.87	46.13	160.08	50.53	162.88	50.64	166.56	51.15	171.66	51.65
	37	110.85	36.63	130.86	42.91	150.87	48.14	156.88	52.74	159.62	52.60	161.56	52.86	164.79	53.12
	39	110.85	37.91	130.86	44.41	150.87	49.82	155.76	54.58	157.99	54.44	159.90	55.13	161.36	55.52
	41	110.85	39.45	130.86	46.22	150.87	51.85	155.28	56.80	156.36	56.72	158.23	57.28	159.64	57.74
	43	110.85	41.42	130.86	48.52	150.87	54.43	153.68	59.63	154.74	59.76	156.57	60.25	158.79	60.53
	46	110.85	43.22	130.86	50.63	150.87	56.81	150.60	62.23	151.64	62.07	151.87	62.27	152.43	62.26
120%	10	109.05	19.12	128.73	22.39	148.42	25.13	157.47	27.52	171.44	27.58	183.51	27.86	190.82	28.13
	12	109.05	19.46	128.73	22.80	148.42	25.58	157.47	28.02	171.44	28.09	183.51	28.36	189.13	28.64
	14	109.05	19.81	128.73	23.21	148.42	26.04	157.47	28.52	171.44	28.59	181.87	28.87	187.44	29.15
	16	109.05	20.16	128.73	23.62	148.42	26.50	157.47	29.02	171.44	29.09	180.23	29.38	185.75	29.66
	18	109.05	20.51	128.73	24.02	148.42	26.95	157.47	29.53	171.44	29.59	178.60	29.88	184.06	30.18
	19	109.05	20.86	128.73	24.43	148.42	27.41	157.47	30.03	171.44	30.09	176.96	30.39	182.37	30.69
	21	109.05	21.20	128.73	24.84	148.42	27.87	157.47	30.53	171.44	30.59	175.32	30.90	180.69	31.20
	23	109.05	21.55	128.73	25.24	148.42	28.32	157.47	31.03	171.44	31.09	173.68	31.40	179.00	31.71
	25	109.05	22.25	128.73	26.06	148.42	29.24	157.47	32.03	169.84	32.10	172.04	32.42	177.31	32.73
	27	109.05	22.59	128.73	26.47	148.42	29.69	157.47	32.53	168.24	32.60	170.40	32.92	175.62	33.24
	29	109.05	27.81	128.73	32.57	148.42	36.55	157.47	40.03	166.64	40.12	168.76	40.52	173.93	40.92
	31	109.05	31.28	128.73	36.65	148.42	41.11	157.47	45.04	165.03	45.14	167.13	45.58	172.24	46.03
	33	109.05	33.02	128.73	38.68	148.42	43.40	157.47	47.54	161.83	47.64	165.49	48.12	170.55	48.59
	35	109.05	34.76	128.73	40.72	148.42	45.68	157.47	50.04	160.23	50.15	163.85	50.65	168.86	51.15
	37	109.05	36.27	128.73	42.49	148.42	47.67	154.32	52.22	157.02	52.09	158.93	52.35	162.11	52.61
	39	109.05	37.54	128.73	43.97	148.42	49.34	153.22	54.05	155.42	53.91	157.30	54.60	158.73	54.98
	41	109.05	39.07	128.73	45.77	148.42	51.35	152.75	56.25	153.82	56.17	155.66	56.73	157.04	57.18
	43	109.05	41.02	128.73	48.05	148.42	53.91	151.17	59.05	152.22	59.18	154.02	59.66	156.20	59.94
	46	109.05	42.80	128.73	50.14	148.42	56.26	148.15	61.63	149.17	61.46	149.40	61.67	149.95	61.66
110%	10	107.24	18.66	126.60	21.86	145.96	24.53	154.86	26.87	168.60	26.93	180.47	27.19	187.66	27.46
	12	107.24	19.00	126.60	22.26	145.96	24.97	154.86	27.36	168.60	27.42	180.47	27.69	186.00	27.96
	14	107.24	19.34	126.60	22.66	145.96	25.42	154.86	27.85	168.60	27.91	178.86	28.18	184.34	28.46
	16	107.24	19.68	126.60	23.05	145.96	25.87	154.86	28.33	168.60	28.40	177.25	28.68	182.68	28.96
	18	107.24	20.02	126.60	23.45	145.96	26.31	154.86	28.82	168.60	28.89	175.64	29.17	181.01	29.46
	19	107.24	20.36	126.60	23.85	145.96	26.76	154.86	29.31	168.60	29.37	174.03	29.67	179.35	29.96
	21	107.24	20.70	126.60	24.25	145.96	27.20	154.86	29.80	168.60	29.86	172.42	30.16	177.69	30.46
	23	107.24	21.04	126.60	24.64	145.96	27.65	154.86	30.29	168.60	30.35	170.80	30.65	176.03	30.95
	25	107.24	21.72	126.60	25.44	145.96	28.54	154.86	31.26	167.03	31.33	169.19	31.64	174.37	31.95
	27	107.24	22.06	126.60	25.84	145.96	28.99	154.86	31.75	165.45	31.82	167.58	32.14	172.71	32.45
	29	107.24	27.14	126.60	31.80	145.96	35.68	154.86	39.08	163.88	39.17	165.97	39.55	171.05	39.94
	31	107.24	30.54	126.60	35.77	145.96	40.14	154.86	43.97	162.30	44.06	164.36	44.50	169.39	44.93
	33	107.24	32.23	126.60	37.76	145.96	42.37	154.86	46.41	159.15	46.51	162.75	46.97	167.73	47.43
	35	107.24	33.93	126.60	39.75	145.96	44.60	154.86	48.85	157.57	48.96	161.14	49.44	166.07	49.93
	37	107.24	35.41	126.60	41.48	145.96	46.54	151.77	50.98	154.42	50.85	156.30	51.10	159.43	51.36
	39	107.24	36.65	126.60	42.93	145.96	48.16	150.68	52.76	152.85	52.63	154.69	53.30	156.10	53.67
	41	107.24	38.14	126.60	44.68	145.96	50.13	150.22	54.91	151.27	54.83	153.08	55.38	154.44	55.82
	43	107.24	40.04	126.60	46.90	145.96	52.62	148.67	57.64	149.70	57.77	151.47	58.24	153.61	58.51
	46	107.24	41.78	126.60	48.95	145.96	54.92	145.70	60.16	146.70	60.00	146.92	60.20	147.47	60.19
	48	107.24	43.24	126.60	50.65	145.96	56.83	144.66	62.26	145.20	62.10	145.41	62.79	144.40	62.90
	50	107.24	45.00	126.60	52.72	145.96	59.15	144.21	64.79	143.71	64.70	143.89	65.23	142.86	65.42

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	101.11	17.67	119.36	20.70	137.61	23.23	146.00	25.25	158.95	25.50	170.14	25.75	176.92	26.00
	12	101.11	17.99	119.36	21.08	137.61	23.65	146.00	25.70	158.95	25.96	170.14	26.22	175.35	26.48
	14	101.11	18.31	119.36	21.45	137.61	24.07	146.00	26.16	158.95	26.42	168.62	26.69	173.79	26.95
	16	101.11	18.64	119.36	21.83	137.61	24.49	146.00	26.62	158.95	26.89	167.10	27.15	172.22	27.42
	18	101.11	18.96	119.36	22.21	137.61	24.91	146.00	27.08	158.95	27.35	165.59	27.62	170.65	27.89
	19	101.11	19.28	119.36	22.58	137.61	25.34	146.00	27.54	158.95	27.82	164.07	28.09	169.09	28.37
	21	101.11	19.60	119.36	22.96	137.61	25.76	146.00	28.00	158.95	28.28	162.55	28.56	167.52	28.84
	23	101.11	19.92	119.36	23.34	137.61	26.18	146.00	28.46	158.95	28.74	161.03	29.03	165.96	29.31
	25	101.11	20.56	119.36	24.09	137.61	27.03	146.00	29.38	157.47	29.67	159.51	29.96	164.39	30.26
	27	101.11	20.88	119.36	24.46	137.61	27.45	146.00	29.84	155.98	30.13	157.99	30.43	162.83	30.73
	29	101.11	25.70	119.36	30.11	137.61	33.78	146.00	36.72	154.50	37.09	156.47	37.45	161.26	37.82
	31	101.11	28.92	119.36	33.87	137.61	38.01	146.00	41.31	153.01	41.72	154.95	42.14	159.69	42.55
	33	101.11	30.52	119.36	35.76	137.61	40.12	146.00	43.61	150.04	44.04	153.43	44.48	158.13	44.91
	35	101.11	32.13	119.36	37.64	137.61	42.23	146.00	45.90	148.56	46.36	151.91	46.82	156.56	47.28
	37	101.11	33.53	119.36	39.28	137.61	44.07	143.08	47.90	145.58	48.15	147.36	48.39	150.30	48.63
	39	101.11	34.70	119.36	40.65	137.61	45.61	142.06	49.57	144.10	49.84	145.84	50.47	147.17	50.82
	41	101.11	36.11	119.36	42.31	137.61	47.46	141.62	51.59	142.61	51.92	144.32	52.44	145.60	52.86
	43	101.11	37.91	119.36	44.41	137.61	49.83	140.16	54.16	141.13	54.70	142.80	55.15	144.82	55.41
	46	101.11	39.57	119.36	46.35	137.61	52.00	137.36	56.52	138.30	56.82	138.51	57.00	139.03	56.99
	48	101.11	40.95	119.36	47.97	137.61	53.82	136.38	58.49	136.89	58.81	137.09	59.45	136.13	59.56
	50	101.11	42.61	119.36	49.92	137.61	56.01	135.96	60.88	135.48	61.27	135.66	61.77	134.68	61.95
90%	10	90.99	14.83	107.42	17.38	123.84	19.50	131.40	21.36	143.06	21.40	153.13	21.61	159.22	21.83
	12	90.99	15.10	107.42	17.69	123.84	19.85	131.40	21.74	143.06	21.79	153.13	22.01	157.82	22.22
	14	90.99	15.37	107.42	18.01	123.84	20.20	131.40	22.13	143.06	22.18	151.76	22.40	156.41	22.62
	16	90.99	15.64	107.42	18.32	123.84	20.56	131.40	22.52	143.06	22.57	150.39	22.79	155.00	23.02
	18	90.99	15.91	107.42	18.64	123.84	20.91	131.40	22.91	143.06	22.96	149.03	23.19	153.59	23.41
	19	90.99	16.18	107.42	18.96	123.84	21.27	131.40	23.30	143.06	23.35	147.66	23.58	152.18	23.81
	21	90.99	16.45	107.42	19.27	123.84	21.62	131.40	23.69	143.06	23.74	146.29	23.97	150.77	24.21
	23	90.99	16.72	107.42	19.59	123.84	21.98	131.40	24.07	143.06	24.13	144.93	24.37	149.36	24.60
	25	90.99	17.26	107.42	20.22	123.84	22.69	131.40	24.85	141.72	24.90	143.56	25.15	147.95	25.40
	27	90.99	17.53	107.42	20.54	123.84	23.04	131.40	25.24	140.38	25.29	142.19	25.54	146.54	25.79
	29	90.99	21.58	107.42	25.27	123.84	28.36	131.40	31.06	139.05	31.13	140.82	31.44	145.13	31.75
	31	90.99	24.27	107.42	28.43	123.84	31.90	131.40	34.95	137.71	35.02	139.46	35.37	143.72	35.72
	33	90.99	25.62	107.42	30.01	123.84	33.67	131.40	36.89	135.04	36.97	138.09	37.33	142.32	37.70
	35	90.99	26.97	107.42	31.59	123.84	35.45	131.40	38.83	133.70	38.91	136.72	39.30	140.91	39.68
	37	90.99	28.15	107.42	32.97	123.84	36.99	128.77	40.52	131.03	40.42	132.62	40.62	135.27	40.82
	39	90.99	29.13	107.42	34.12	123.84	38.28	127.85	41.93	129.69	41.83	131.25	42.36	132.45	42.66
	41	90.99	30.31	107.42	35.51	123.84	39.84	127.46	43.64	128.35	43.58	129.89	44.01	131.04	44.37
	43	90.99	31.82	107.42	37.28	123.84	41.83	126.14	45.82	127.01	45.92	128.52	46.29	130.34	46.51
	46	90.99	33.21	107.42	38.91	123.84	43.65	123.62	47.82	124.47	47.69	124.66	47.85	125.13	47.84
	48	90.99	34.37	107.42	40.26	123.84	45.17	122.74	49.48	123.20	49.36	123.38	49.90	122.52	50.00
	50	90.99	35.77	107.42	41.90	123.84	47.01	122.36	51.50	121.93	51.43	122.09	51.85	121.22	52.00
80%	10	80.88	12.16	95.48	14.24	110.08	15.98	116.80	17.50	127.16	17.54	136.11	17.71	141.53	17.89
	12	80.88	12.38	95.48	14.50	110.08	16.27	116.80	17.82	127.16	17.86	136.11	18.03	140.28	18.21
	14	80.88	12.60	95.48	14.76	110.08	16.56	116.80	18.14	127.16	18.18	134.90	18.36	139.03	18.54
	16	80.88	12.82	95.48	15.02	110.08	16.85	116.80	18.46	127.16	18.50	133.68	18.68	137.78	18.86
	18	80.88	13.04	95.48	15.28	110.08	17.14	116.80	18.77	127.16	18.81	132.47	19.00	136.52	19.19
	19	80.88	13.26	95.48	15.53	110.08	17.43	116.80	19.09	127.16	19.13	131.25	19.32	135.27	19.51
	21	80.88	13.48	95.48	15.79	110.08	17.72	116.80	19.41	127.16	19.45	130.04	19.65	134.02	19.84
	23	80.88	13.70	95.48	16.05	110.08	18.01	116.80	19.73	127.16	19.77	128.82	19.97	132.77	20.16
	25	80.88	14.14	95.48	16.57	110.08	18.59	116.80	20.36	125.97	20.41	127.61	20.61	131.51	20.81
	27	80.88	14.37	95.48	16.83	110.08	18.88	116.80	20.68	124.79	20.73	126.39	20.93	130.26	21.14
	29	80.88	17.68	95.48	20.71	110.08	23.24	116.80	25.46	123.60	25.51	125.18	25.76	129.01	26.02
	31	80.88	19.89	95.48	23.30	110.08	26.14	116.80	28.64	122.41	28.70	123.96	28.98	127.76	29.27
	33	80.88	21.00	95.48	24.60	110.08	27.60	116.80	30.23	120.03	30.29	122.75	30.59	126.50	30.89
	35	80.88	22.10	95.48	25.89	110.08	29.05	116.80	31.82	118.84	31.89	121.53	32.21	125.25	32.52
	37	80.88	23.07	95.48	27.02	110.08	30.31	114.46	33.21	116.47	33.12	117.88	33.29	120.24	33.45
	39	80.88	23.87	95.48	27.96	110.08	31.37	113.65	34.37	115.28	34.28	116.67	34.72	117.74	34.96
	41	80.88	24.84	95.48	29.10	110.08	32.65	113.30	35.77	114.09	35.72	115.45	36.07	116.48	36.36
	43	80.88	26.08	95.48	30.55	110.08	34.28	112.13	37.55	112.90	37.63	114.24	37.94	115.86	38.11
	46	80.88	27.22	95.48	31.88	110.08	35.77	109.89	39.18	110.64	39.08	110.81	39.21	111.22	39.20
	48	80.88	28.17	95.48	32.99	110.08	37.02	109.10	40.55	109.51	40.45	109.67	40.90	108.91	40.97
	50	80.88	29.31	95.48	34.34	110.08	38.53	108.76	42.20	108.39	42.14	108.53	42.49	107.75	42.61

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	70.77	9.67	83.55	11.32	96.32	12.70	102.20	13.92	111.27	13.95	119.10	14.08	123.84	14.22
	12	70.77	9.84	83.55	11.53	96.32	12.93	102.20	14.17	111.27	14.20	119.10	14.34	122.75	14.48
	14	70.77	10.02	83.55	11.73	96.32	13.17	102.20	14.42	111.27	14.45	118.04	14.60	121.65	14.74
	16	70.77	10.19	83.55	11.94	96.32	13.40	102.20	14.68	111.27	14.71	116.97	14.85	120.55	15.00
	18	70.77	10.37	83.55	12.15	96.32	13.63	102.20	14.93	111.27	14.96	115.91	15.11	119.46	15.26
	19	70.77	10.54	83.55	12.35	96.32	13.86	102.20	15.18	111.27	15.21	114.85	15.36	118.36	15.52
	21	70.77	10.72	83.55	12.56	96.32	14.09	102.20	15.43	111.27	15.47	113.78	15.62	117.27	15.77
	23	70.77	10.90	83.55	12.76	96.32	14.32	102.20	15.69	111.27	15.72	112.72	15.88	116.17	16.03
	25	70.77	11.25	83.55	13.18	96.32	14.78	102.20	16.19	110.23	16.23	111.66	16.39	115.07	16.55
	27	70.77	11.42	83.55	13.38	96.32	15.01	102.20	16.45	109.19	16.48	110.59	16.65	113.98	16.81
	29	70.77	14.06	83.55	16.47	96.32	18.48	102.20	20.24	108.15	20.29	109.53	20.49	112.88	20.69
	31	70.77	15.82	83.55	18.53	96.32	20.79	102.20	22.77	107.11	22.82	108.47	23.05	111.79	23.27
	33	70.77	16.70	83.55	19.56	96.32	21.94	102.20	24.04	105.03	24.09	107.40	24.33	110.69	24.57
	35	70.77	17.57	83.55	20.59	96.32	23.10	102.20	25.30	103.99	25.36	106.34	25.61	109.59	25.86
	37	70.77	18.34	83.55	21.48	96.32	24.10	100.16	26.40	101.91	26.34	103.15	26.47	105.21	26.60
	39	70.77	18.98	83.55	22.23	96.32	24.95	99.44	27.33	100.87	27.26	102.09	27.61	103.02	27.80
	41	70.77	19.75	83.55	23.14	96.32	25.96	99.13	28.44	99.83	28.40	101.02	28.68	101.92	28.91
	43	70.77	20.74	83.55	24.29	96.32	27.25	98.11	29.86	98.79	29.92	99.96	30.17	101.37	30.31
	46	70.77	21.64	83.55	25.35	96.32	28.44	96.15	31.16	96.81	31.08	96.96	31.18	97.32	31.17
	48	70.77	22.40	83.55	26.24	96.32	29.44	95.46	32.24	95.83	32.17	95.96	32.52	95.29	32.58
	50	70.77	23.31	83.55	27.30	96.32	30.63	95.17	33.56	94.84	33.51	94.96	33.79	94.28	33.88
60%	10	60.66	7.34	71.61	8.59	82.56	9.64	87.60	10.56	95.37	10.59	102.09	10.69	106.15	10.79
	12	60.66	7.47	71.61	8.75	82.56	9.82	87.60	10.75	95.37	10.78	102.09	10.88	105.21	10.99
	14	60.66	7.60	71.61	8.91	82.56	9.99	87.60	10.95	95.37	10.97	101.17	11.08	104.27	11.19
	16	60.66	7.74	71.61	9.06	82.56	10.17	87.60	11.14	95.37	11.16	100.26	11.27	103.33	11.38
	18	60.66	7.87	71.61	9.22	82.56	10.34	87.60	11.33	95.37	11.36	99.35	11.47	102.39	11.58
	19	60.66	8.00	71.61	9.38	82.56	10.52	87.60	11.52	95.37	11.55	98.44	11.66	101.45	11.78
	21	60.66	8.14	71.61	9.53	82.56	10.69	87.60	11.71	95.37	11.74	97.53	11.86	100.51	11.97
	23	60.66	8.27	71.61	9.69	82.56	10.87	87.60	11.91	95.37	11.93	96.62	12.05	99.57	12.17
	25	60.66	8.54	71.61	10.00	82.56	11.22	87.60	12.29	94.48	12.32	95.71	12.44	98.63	12.56
	27	60.66	8.67	71.61	10.16	82.56	11.40	87.60	12.48	93.59	12.51	94.79	12.63	97.70	12.76
	29	60.66	10.67	71.61	12.50	82.56	14.02	87.60	15.36	92.70	15.40	93.88	15.55	96.76	15.70
	31	60.66	12.00	71.61	14.06	82.56	15.78	87.60	17.28	91.81	17.32	92.97	17.49	95.82	17.66
	33	60.66	12.67	71.61	14.84	82.56	16.65	87.60	18.24	90.02	18.28	92.06	18.46	94.88	18.65
	35	60.66	13.34	71.61	15.63	82.56	17.53	87.60	19.20	89.13	19.25	91.15	19.44	93.94	19.63
	37	60.66	13.92	71.61	16.31	82.56	18.30	85.85	20.04	87.35	19.99	88.41	20.09	90.18	20.19
	39	60.66	14.41	71.61	16.88	82.56	18.93	85.23	20.74	86.46	20.69	87.50	20.95	88.30	21.10
	41	60.66	14.99	71.61	17.56	82.56	19.70	84.97	21.59	85.57	21.56	86.59	21.77	87.36	21.94
	43	60.66	15.74	71.61	18.44	82.56	20.69	84.10	22.66	84.68	22.71	85.68	22.90	86.89	23.00
	46	60.66	16.43	71.61	19.24	82.56	21.59	82.41	23.65	82.98	23.59	83.11	23.67	83.42	23.66
	48	60.66	17.00	71.61	19.91	82.56	22.34	81.83	24.47	82.14	24.41	82.25	24.68	81.68	24.73
	50	60.66	17.69	71.61	20.72	82.56	23.25	81.57	25.47	81.29	25.44	81.39	25.64	80.81	25.72
50%	10	50.55	5.17	59.68	6.05	68.80	6.79	73.00	7.44	79.48	7.46	85.07	7.53	88.46	7.60
	12	50.55	5.26	59.68	6.16	68.80	6.92	73.00	7.58	79.48	7.59	85.07	7.67	87.68	7.74
	14	50.55	5.36	59.68	6.27	68.80	7.04	73.00	7.71	79.48	7.73	84.31	7.80	86.89	7.88
	16	50.55	5.45	59.68	6.38	68.80	7.16	73.00	7.85	79.48	7.86	83.55	7.94	86.11	8.02
	18	50.55	5.54	59.68	6.49	68.80	7.29	73.00	7.98	79.48	8.00	82.79	8.08	85.33	8.16
	19	50.55	5.64	59.68	6.60	68.80	7.41	73.00	8.12	79.48	8.13	82.03	8.21	84.54	8.29
	21	50.55	5.73	59.68	6.71	68.80	7.53	73.00	8.25	79.48	8.27	81.27	8.35	83.76	8.43
	23	50.55	5.83	59.68	6.82	68.80	7.66	73.00	8.39	79.48	8.41	80.51	8.49	82.98	8.57
	25	50.55	6.01	59.68	7.04	68.80	7.90	73.00	8.66	78.73	8.68	79.75	8.76	82.20	8.85
	27	50.55	6.11	59.68	7.15	68.80	8.03	73.00	8.79	77.99	8.81	78.99	8.90	81.41	8.99
	29	50.55	7.52	59.68	8.81	68.80	9.88	73.00	10.82	77.25	10.85	78.24	10.95	80.63	11.06
	31	50.55	8.46	59.68	9.91	68.80	11.11	73.00	12.17	76.51	12.20	77.48	12.32	79.85	12.44
	33	50.55	8.93	59.68	10.46	68.80	11.73	73.00	12.85	75.02	12.88	76.72	13.01	79.06	13.13
	35	50.55	9.40	59.68	11.01	68.80	12.35	73.00	13.53	74.28	13.56	75.96	13.69	78.28	13.82
	37	50.55	9.81	59.68	11.49	68.80	12.89	71.54	14.12	72.79	14.08	73.68	14.15	75.15	14.22
	39	50.55	10.15	59.68	11.89	68.80	13.34	71.03	14.61	72.05	14.57	72.92	14.76	73.58	14.86
	41	50.55	10.56	59.68	12.37	68.80	13.88	70.81	15.20	71.31	15.18	72.16	15.33	72.80	15.46
	43	50.55	11.09	59.68	12.99	68.80	14.57	70.08	15.96	70.56	16.00	71.40	16.13	72.41	16.20
	46	50.55	11.57	59.68	13.55	68.80	15.21	68.68	16.66	69.15	16.61	69.26	16.67	69.51	16.67
	48	50.55	11.97	59.68	14.03	68.80	15.74	68.19	17.24	68.45	17.20	68.54	17.39	68.07	17.42
	50	50.55	12.46	59.68	14.60	68.80	16.38	67.98	17.94	67.74	17.92	67.83	18.06	67.34	18.11

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	40.44	4.10	47.74	4.80	55.04	5.38	58.40	5.90	63.58	5.91	68.06	5.97	70.77	6.03
	12	40.44	4.17	47.74	4.89	55.04	5.48	58.40	6.01	63.58	6.02	68.06	6.08	70.14	6.14
	14	40.44	4.25	47.74	4.97	55.04	5.58	58.40	6.11	63.58	6.13	67.45	6.19	69.51	6.25
	16	40.44	4.32	47.74	5.06	55.04	5.68	58.40	6.22	63.58	6.23	66.84	6.29	68.89	6.36
	18	40.44	4.39	47.74	5.15	55.04	5.78	58.40	6.33	63.58	6.34	66.23	6.40	68.26	6.47
	19	40.44	4.47	47.74	5.24	55.04	5.87	58.40	6.43	63.58	6.45	65.63	6.51	67.64	6.58
	21	40.44	4.54	47.74	5.32	55.04	5.97	58.40	6.54	63.58	6.56	65.02	6.62	67.01	6.69
	23	40.44	4.62	47.74	5.41	55.04	6.07	58.40	6.65	63.58	6.66	64.41	6.73	66.38	6.79
	25	40.44	4.77	47.74	5.58	55.04	6.27	58.40	6.86	62.99	6.88	63.80	6.95	65.76	7.01
	27	40.44	4.84	47.74	5.67	55.04	6.36	58.40	6.97	62.39	6.99	63.20	7.05	65.13	7.12
	29	40.44	5.96	47.74	6.98	55.04	7.83	58.40	8.58	61.80	8.60	62.59	8.68	64.50	8.77
	31	40.44	6.70	47.74	7.85	55.04	8.81	58.40	9.65	61.20	9.67	61.98	9.77	63.88	9.86
	33	40.44	7.08	47.74	8.29	55.04	9.30	58.40	10.19	60.02	10.21	61.37	10.31	63.25	10.41
	35	40.44	7.45	47.74	8.73	55.04	9.79	58.40	10.72	59.42	10.75	60.77	10.85	62.63	10.96
	37	40.44	7.77	47.74	9.11	55.04	10.22	57.23	11.19	58.23	11.16	58.94	11.22	60.12	11.27
	39	40.44	8.04	47.74	9.42	55.04	10.57	56.82	11.58	57.64	11.55	58.33	11.70	58.87	11.78
	41	40.44	8.37	47.74	9.81	55.04	11.00	56.65	12.05	57.05	12.04	57.73	12.16	58.24	12.25
	43	40.44	8.79	47.74	10.30	55.04	11.55	56.06	12.65	56.45	12.68	57.12	12.79	57.93	12.84
	46	40.44	9.17	47.74	10.74	55.04	12.05	54.94	13.21	55.32	13.17	55.41	13.21	55.61	13.21
	48	40.44	9.49	47.74	11.12	55.04	12.48	54.55	13.67	54.76	13.63	54.83	13.78	54.45	13.81
	50	40.44	9.88	47.74	11.57	55.04	12.98	54.38	14.22	54.19	14.20	54.26	14.32	53.87	14.36
30%	10	30.33	3.75	35.81	4.39	41.28	4.93	43.80	5.40	47.69	5.41	51.04	5.46	53.07	5.52
	12	30.33	3.82	35.81	4.47	41.28	5.02	43.80	5.49	47.69	5.51	51.04	5.56	52.61	5.62
	14	30.33	3.88	35.81	4.55	41.28	5.11	43.80	5.59	47.69	5.61	50.59	5.66	52.14	5.72
	16	30.33	3.95	35.81	4.63	41.28	5.20	43.80	5.69	47.69	5.70	50.13	5.76	51.67	5.82
	18	30.33	4.02	35.81	4.71	41.28	5.28	43.80	5.79	47.69	5.80	49.68	5.86	51.20	5.92
	19	30.33	4.09	35.81	4.79	41.28	5.37	43.80	5.89	47.69	5.90	49.22	5.96	50.73	6.02
	21	30.33	4.16	35.81	4.87	41.28	5.46	43.80	5.99	47.69	6.00	48.76	6.06	50.26	6.12
	23	30.33	4.23	35.81	4.95	41.28	5.55	43.80	6.08	47.69	6.10	48.31	6.16	49.79	6.22
	25	30.33	4.36	35.81	5.11	41.28	5.73	43.80	6.28	47.24	6.29	47.85	6.36	49.32	6.42
	27	30.33	4.43	35.81	5.19	41.28	5.82	43.80	6.38	46.79	6.39	47.40	6.46	48.85	6.52
	29	30.33	5.45	35.81	6.39	41.28	7.17	43.80	7.85	46.35	7.87	46.94	7.94	48.38	8.02
	31	30.33	6.13	35.81	7.19	41.28	8.06	43.80	8.83	45.90	8.85	46.49	8.94	47.91	9.03
	33	30.33	6.47	35.81	7.58	41.28	8.51	43.80	9.32	45.01	9.34	46.03	9.43	47.44	9.53
	35	30.33	6.82	35.81	7.98	41.28	8.96	43.80	9.81	44.57	9.83	45.57	9.93	46.97	10.03
	37	30.33	7.11	35.81	8.33	41.28	9.35	42.92	10.24	43.68	10.21	44.21	10.26	45.09	10.32
	39	30.33	7.36	35.81	8.62	41.28	9.67	42.62	10.60	43.23	10.57	43.75	10.71	44.15	10.78
	41	30.33	7.66	35.81	8.97	41.28	10.07	42.49	11.03	42.78	11.01	43.30	11.12	43.68	11.21
	43	30.33	8.04	35.81	9.42	41.28	10.57	42.05	11.58	42.34	11.60	42.84	11.70	43.45	11.75
	46	30.33	8.39	35.81	9.83	41.28	11.03	41.21	12.08	41.49	12.05	41.55	12.09	41.71	12.09
	48	30.33	8.69	35.81	10.17	41.28	11.42	40.91	12.50	41.07	12.47	41.13	12.61	40.84	12.63
	50	30.33	9.04	35.81	10.59	41.28	11.88	40.79	13.01	40.64	13.00	40.70	13.10	40.41	13.14
20%	10	20.22	2.17	23.87	2.54	27.52	2.85	29.20	3.12	31.79	3.13	34.03	3.16	35.38	3.19
	12	20.22	2.21	23.87	2.59	27.52	2.90	29.20	3.18	31.79	3.19	34.03	3.22	35.07	3.25
	14	20.22	2.25	23.87	2.63	27.52	2.95	29.20	3.24	31.79	3.24	33.72	3.28	34.76	3.31
	16	20.22	2.29	23.87	2.68	27.52	3.01	29.20	3.29	31.79	3.30	33.42	3.33	34.44	3.37
	18	20.22	2.33	23.87	2.73	27.52	3.06	29.20	3.35	31.79	3.36	33.12	3.39	34.13	3.42
	19	20.22	2.37	23.87	2.77	27.52	3.11	29.20	3.41	31.79	3.41	32.81	3.45	33.82	3.48
	21	20.22	2.41	23.87	2.82	27.52	3.16	29.20	3.46	31.79	3.47	32.51	3.50	33.50	3.54
	23	20.22	2.44	23.87	2.86	27.52	3.21	29.20	3.52	31.79	3.53	32.21	3.56	33.19	3.60
	25	20.22	2.52	23.87	2.96	27.52	3.32	29.20	3.63	31.49	3.64	31.90	3.68	32.88	3.71
	27	20.22	2.56	23.87	3.00	27.52	3.37	29.20	3.69	31.20	3.70	31.60	3.73	32.57	3.77
	29	20.22	3.15	23.87	3.70	27.52	4.15	29.20	4.54	30.90	4.55	31.29	4.60	32.25	4.64
	31	20.22	3.55	23.87	4.16	27.52	4.66	29.20	5.11	30.60	5.12	30.99	5.17	31.94	5.22
	33	20.22	3.75	23.87	4.39	27.52	4.92	29.20	5.39	30.01	5.41	30.69	5.46	31.63	5.51
	35	20.22	3.94	23.87	4.62	27.52	5.18	29.20	5.68	29.71	5.69	30.38	5.75	31.31	5.80
	37	20.22	4.12	23.87	4.82	27.52	5.41	28.62	5.92	29.12	5.91	29.47	5.94	30.06	5.97
	39	20.22	4.26	23.87	4.99	27.52	5.60	28.41	6.13	28.82	6.12	29.17	6.19	29.43	6.24
	41	20.22	4.43	23.87	5.19	27.52	5.83	28.32	6.38	28.52	6.37	28.86	6.44	29.12	6.49
	43	20.22	4.65	23.87	5.45	27.52	6.12	28.03	6.70	28.23	6.71	28.56	6.77	28.96	6.80
	46	20.22	4.86	23.87	5.69	27.52	6.38	27.47	6.99	27.66	6.97	27.70	7.00	27.81	6.99
	48	20.22	5.03	23.87	5.89	27.52	6.60	27.28	7.23	27.38	7.22	27.42	7.30	27.23	7.31
	50	20.22	5.23	23.87	6.13	27.52	6.87	27.19	7.53	27.10	7.52	27.13	7.58	26.94	7.60

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR540ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	115.03	19.77	135.79	23.16	156.56	25.98	166.11	28.92	180.85	28.52	193.58	28.80	201.28	29.09
	12	115.03	20.13	135.79	23.58	156.56	26.45	166.11	29.45	180.85	29.04	193.58	29.33	199.50	29.62
	14	115.03	20.49	135.79	24.00	156.56	26.92	166.11	29.98	180.85	29.56	191.85	29.85	197.72	30.14
	16	115.03	20.85	135.79	24.42	156.56	27.40	166.11	30.50	180.85	30.08	190.12	30.38	195.94	30.67
	18	115.03	21.21	135.79	24.84	156.56	27.87	166.11	31.03	180.85	30.60	188.39	30.90	194.16	31.20
	19	115.03	21.56	135.79	25.26	151.86	28.34	166.11	31.55	180.85	31.11	186.66	31.42	192.38	31.73
	21	115.03	21.92	135.79	25.68	156.56	28.81	166.11	32.08	180.85	31.63	184.93	31.95	190.60	32.26
	23	115.03	22.28	135.79	26.10	156.56	29.29	166.11	32.61	180.85	32.15	183.21	32.47	188.81	32.79
	25	115.03	23.00	135.79	26.95	156.56	30.23	166.11	33.66	179.16	33.19	181.48	33.52	187.03	33.85
	27	115.03	23.36	135.79	27.37	156.56	30.70	166.11	34.18	177.47	33.71	179.75	34.04	185.25	34.37
	29	115.03	28.75	135.79	33.68	156.56	37.79	166.11	42.07	175.78	41.49	178.02	41.90	183.47	42.31
	31	115.03	32.35	135.79	37.89	156.56	42.51	166.11	47.33	174.09	46.67	176.29	47.13	181.69	47.60
	33	115.03	34.14	135.79	40.00	156.56	44.87	166.11	49.96	170.71	49.26	174.56	49.75	179.91	50.24
	35	115.03	35.94	135.79	42.10	156.56	47.24	166.11	52.59	169.02	51.86	172.84	52.37	178.13	52.88
	37	115.03	37.51	135.79	43.94	156.56	49.30	162.79	54.88	165.64	53.86	167.65	54.13	171.00	54.40
	39	115.03	38.82	135.79	45.47	156.56	51.02	161.62	56.80	163.95	55.75	165.92	56.46	167.44	56.85
	41	115.03	40.40	135.79	47.32	156.56	53.09	161.13	59.11	162.26	58.08	164.19	58.66	165.66	59.12
	43	115.03	42.41	135.79	49.68	156.56	55.74	159.46	62.06	160.57	61.19	162.47	61.69	164.77	61.98
	46	115.03	44.26	135.79	51.85	156.56	58.17	156.28	64.76	157.35	63.55	157.59	63.77	158.18	63.75
	48	115.03	45.80	135.79	53.65	156.56	60.20	155.16	67.02	155.75	65.78	155.97	66.50	154.88	66.63
	50	115.03	47.67	135.79	55.84	156.56	62.65	154.68	69.75	154.14	68.53	154.34	69.10	153.23	69.29
120%	10	113.16	19.58	133.58	22.93	154.01	25.73	163.40	28.64	177.90	28.24	190.42	28.52	198.01	28.80
	12	113.16	19.93	133.58	23.35	154.01	26.20	163.40	29.16	177.90	28.76	190.42	29.04	196.25	29.33
	14	113.16	20.29	133.58	23.77	154.01	26.66	163.40	29.68	177.90	29.27	188.72	29.56	194.50	29.85
	16	113.16	20.64	133.58	24.18	154.01	27.13	163.40	30.21	177.90	29.79	187.02	30.08	192.75	30.38
	18	113.16	21.00	133.58	24.60	154.01	27.60	163.40	30.73	177.90	30.30	185.32	30.60	191.00	30.90
	19	113.16	21.36	133.58	25.02	154.01	28.07	163.40	31.25	177.90	30.81	183.62	31.12	189.24	31.42
	21	113.16	21.71	133.58	25.43	154.01	28.53	163.40	31.77	177.90	31.33	181.92	31.64	187.49	31.95
	23	113.16	22.07	133.58	25.85	154.01	29.00	163.40	32.29	177.90	31.84	180.22	32.15	185.74	32.47
	25	113.16	22.78	133.58	26.68	154.01	29.94	163.40	33.33	176.24	32.87	178.52	33.19	183.99	33.52
	27	113.16	23.13	133.58	27.10	154.01	30.41	163.40	33.85	174.58	33.38	176.82	33.71	182.23	34.04
	29	113.16	28.47	133.58	33.35	154.01	37.42	163.40	41.66	172.91	41.08	175.12	41.49	180.48	41.90
	31	113.16	32.03	133.58	37.52	154.01	42.10	163.40	46.87	171.25	46.22	173.42	46.68	178.73	47.13
	33	113.16	33.81	133.58	39.61	154.01	44.44	163.40	49.47	167.93	48.79	171.72	49.27	176.98	49.75
	35	113.16	35.59	133.58	41.69	154.01	46.78	163.40	52.08	166.26	51.35	170.02	51.86	175.23	52.37
	37	113.16	37.14	133.58	43.51	154.01	48.82	160.14	54.35	162.94	53.34	164.92	53.60	168.22	53.87
	39	113.16	38.44	133.58	45.03	154.01	50.52	158.99	56.25	161.28	55.21	163.22	55.91	164.71	56.30
	41	113.16	40.01	133.58	46.86	154.01	52.58	158.50	58.54	159.61	57.52	161.52	58.09	162.96	58.55
	43	113.16	42.00	133.58	49.20	154.01	55.20	156.87	61.45	157.95	60.60	159.82	61.09	162.08	61.38
	46	113.16	43.83	133.58	51.34	154.01	57.60	153.73	64.13	154.79	62.94	155.03	63.15	155.60	63.13
	48	113.16	45.36	133.58	53.13	154.01	59.61	152.63	66.37	153.21	65.14	153.43	65.86	152.36	65.98
	50	113.16	47.21	133.58	55.30	154.01	62.04	152.16	69.07	151.63	67.87	151.83	68.43	150.74	68.62
110%	10	111.28	19.11	131.37	22.39	151.46	25.12	160.70	27.96	174.96	27.57	187.27	27.85	194.73	28.12
	12	111.28	19.46	131.37	22.79	151.46	25.57	160.70	28.47	174.96	28.07	187.27	28.35	193.00	28.63
	14	111.28	19.80	131.37	23.20	151.46	26.03	160.70	28.98	174.96	28.57	185.60	28.86	191.28	29.14
	16	111.28	20.15	131.37	23.61	151.46	26.49	160.70	29.49	174.96	29.08	183.93	29.36	189.56	29.65
	18	111.28	20.50	131.37	24.01	151.46	26.94	160.70	29.99	174.96	29.58	182.26	29.87	187.83	30.16
	19	111.28	20.85	131.37	24.42	151.46	27.40	160.70	30.50	174.96	30.08	180.58	30.38	186.11	30.67
	21	111.28	21.19	131.37	24.83	151.46	27.86	160.70	31.01	174.96	30.58	178.91	30.88	184.39	31.19
	23	111.28	21.54	131.37	25.23	151.46	28.31	160.70	31.52	174.96	31.08	177.24	31.39	182.66	31.70
	25	111.28	22.24	131.37	26.05	151.46	29.22	160.70	32.54	173.32	32.08	175.57	32.40	180.94	32.72
	27	111.28	22.58	131.37	26.46	151.46	29.68	160.70	33.05	171.69	32.59	173.89	32.91	179.22	33.23
	29	111.28	27.80	131.37	32.56	151.46	36.53	160.70	40.67	170.05	40.10	172.22	40.50	177.49	40.90
	31	111.28	31.27	131.37	36.63	151.46	41.10	160.70	45.75	168.42	45.12	170.55	45.56	175.77	46.01
	33	111.28	33.01	131.37	38.67	151.46	43.38	160.70	48.30	165.15	47.62	168.88	48.10	174.05	48.57
	35	111.28	34.74	131.37	40.70	151.46	45.66	160.70	50.84	163.51	50.13	167.21	50.63	172.32	51.12
	37	111.28	36.26	131.37	42.48	151.46	47.66	157.48	53.06	160.24	52.07	162.19	52.33	165.43	52.59
	39	111.28	37.52	131.37	43.96	151.46	49.32	156.36	54.91	158.61	53.89	160.52	54.58	161.99	54.96
	41	111.28	39.05	131.37	45.75	151.46	51.33	155.88	57.14	156.97	56.15	158.85	56.70	160.26	57.16
	43	111.28	41.00	131.37	48.03	151.46	53.88	154.27	59.99	155.33	59.15	157.17	59.64	159.40	59.92
	46	111.28	42.79	131.37	50.12	151.46	56.23	151.18	62.61	152.23	61.44	152.46	61.64	153.02	61.63
	48	111.28	44.28	131.37	51.87	151.46	58.19	150.10	64.79	150.67	63.59	150.89	64.29	149.84	64.41
	50	111.28	46.08	131.37	53.98	151.46	60.57	149.64	67.43	149.12	66.25	149.32	66.80	148.24	66.99

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	104.91	18.10	123.85	21.20	142.79	23.78	151.50	25.85	164.94	26.11	176.55	26.37	183.58	26.63
	12	104.91	18.42	123.85	21.58	142.79	24.21	151.50	26.32	164.94	26.58	176.55	26.85	181.96	27.11
	14	104.91	18.75	123.85	21.97	142.79	24.65	151.50	26.79	164.94	27.06	174.98	27.33	180.33	27.59
	16	104.91	19.08	123.85	22.35	142.79	25.08	151.50	27.26	164.94	27.53	173.40	27.81	178.71	28.08
	18	104.91	19.41	123.85	22.74	142.79	25.51	151.50	27.73	164.94	28.01	171.82	28.28	177.08	28.56
	19	104.91	19.74	123.85	23.12	142.79	25.94	151.50	28.20	164.94	28.48	170.25	28.76	175.46	29.05
	21	104.91	20.07	123.85	23.51	142.79	26.38	151.50	28.67	164.94	28.96	168.67	29.24	173.83	29.53
	23	104.91	20.40	123.85	23.89	142.79	26.81	151.50	29.14	164.94	29.43	167.09	29.72	172.21	30.01
	25	104.91	21.06	123.85	24.67	142.79	27.67	151.50	30.08	163.40	30.38	165.52	30.68	170.58	30.98
	27	104.91	21.39	123.85	25.05	142.79	28.11	151.50	30.55	161.86	30.86	163.94	31.16	168.96	31.47
	29	104.91	26.32	123.85	30.83	142.79	34.59	151.50	37.60	160.32	37.98	162.36	38.35	167.33	38.73
	31	104.91	29.61	123.85	34.69	142.79	38.92	151.50	42.30	158.78	42.72	160.79	43.15	165.71	43.57
	33	104.91	31.26	123.85	36.61	142.79	41.08	151.50	44.65	155.69	45.10	159.21	45.54	164.09	45.99
	35	104.91	32.90	123.85	38.54	142.79	43.24	151.50	47.00	154.15	47.47	157.64	47.94	162.46	48.41
	37	104.91	34.33	123.85	40.22	142.79	45.13	148.47	49.05	151.07	49.30	152.91	49.55	155.96	49.79
	39	104.91	35.53	123.85	41.62	142.79	46.70	147.41	50.76	149.53	51.03	151.33	51.68	152.71	52.04
	41	104.91	36.98	123.85	43.32	142.79	48.60	146.96	52.83	147.99	53.17	149.75	53.69	151.09	54.12
	43	104.91	38.82	123.85	45.48	142.79	51.02	145.44	55.46	146.44	56.01	148.18	56.47	150.28	56.74
	46	104.91	40.51	123.85	47.46	142.79	53.25	142.53	57.88	143.51	58.18	143.73	58.37	144.27	58.36
	48	104.91	41.93	123.85	49.12	142.79	55.11	141.51	59.90	142.05	60.22	142.25	60.88	141.26	60.99
	50	104.91	43.64	123.85	51.12	142.79	57.35	141.08	62.34	140.59	62.74	140.77	63.25	139.76	63.43
90%	10	94.42	15.19	111.47	17.79	128.51	19.96	136.35	22.22	148.45	21.92	158.90	22.13	165.22	22.35
	12	94.42	15.46	111.47	18.12	128.51	20.33	136.35	22.63	148.45	22.31	158.90	22.53	163.76	22.76
	14	94.42	15.74	111.47	18.44	128.51	20.69	136.35	23.03	148.45	22.71	157.48	22.94	162.30	23.16
	16	94.42	16.02	111.47	18.76	128.51	21.05	136.35	23.44	148.45	23.11	156.06	23.34	160.84	23.57
	18	94.42	16.29	111.47	19.09	128.51	21.41	136.35	23.84	148.45	23.51	154.64	23.74	159.37	23.97
	19	94.42	16.57	111.47	19.41	128.51	21.78	136.35	24.25	148.45	23.91	153.22	24.14	157.91	24.38
	21	94.42	16.85	111.47	19.73	128.51	22.14	136.35	24.65	148.45	24.31	151.80	24.55	156.45	24.79
	23	94.42	17.12	111.47	20.06	128.51	22.50	136.35	25.05	148.45	24.70	150.38	24.95	154.99	25.19
	25	94.42	17.67	111.47	20.70	128.51	23.23	136.35	25.86	147.06	25.50	148.97	25.75	153.53	26.01
	27	94.42	17.95	111.47	21.03	128.51	23.59	136.35	26.27	145.67	25.90	147.55	26.16	152.06	26.41
	29	94.42	22.09	111.47	25.88	128.51	29.04	136.35	32.33	144.29	31.88	146.13	32.19	150.60	32.51
	31	94.42	24.85	111.47	29.12	128.51	32.67	136.35	36.37	142.90	35.86	144.71	36.22	149.14	36.57
	33	94.42	26.24	111.47	30.73	128.51	34.48	136.35	38.39	140.12	37.85	143.29	38.23	147.68	38.60
	35	94.42	27.62	111.47	32.35	128.51	36.30	136.35	40.41	138.74	39.85	141.87	40.24	146.21	40.64
	37	94.42	28.82	111.47	33.76	128.51	37.88	133.62	42.17	135.96	41.38	137.62	41.59	140.37	41.80
	39	94.42	29.83	111.47	34.94	128.51	39.20	132.67	43.64	134.57	42.83	136.20	43.38	137.44	43.68
	41	94.42	31.04	111.47	36.36	128.51	40.80	132.26	45.42	133.19	44.63	134.78	45.07	135.98	45.43
	43	94.42	32.59	111.47	38.17	128.51	42.83	130.90	47.68	131.80	47.02	133.36	47.40	135.25	47.62
	46	94.42	34.01	111.47	39.84	128.51	44.70	128.28	49.76	129.16	48.83	129.36	49.00	129.84	48.99
	48	94.42	35.19	111.47	41.23	128.51	46.25	127.36	51.50	127.85	50.54	128.03	51.10	127.13	51.20
	50	94.42	36.63	111.47	42.91	128.51	48.14	126.97	53.59	126.53	52.66	126.69	53.09	125.78	53.24
80%	10	83.93	12.45	99.08	14.58	114.23	16.36	121.20	18.21	131.95	17.96	141.24	18.14	146.86	18.32
	12	83.93	12.67	99.08	14.85	114.23	16.66	121.20	18.54	131.95	18.29	141.24	18.47	145.57	18.65
	14	83.93	12.90	99.08	15.11	114.23	16.95	121.20	18.88	131.95	18.61	139.98	18.80	144.27	18.98
	16	83.93	13.13	99.08	15.38	114.23	17.25	121.20	19.21	131.95	18.94	138.72	19.13	142.97	19.31
	18	83.93	13.35	99.08	15.64	114.23	17.55	121.20	19.54	131.95	19.27	137.46	19.46	141.67	19.65
	19	83.93	13.58	99.08	15.91	114.23	17.85	121.20	19.87	131.95	19.59	136.20	19.79	140.37	19.98
	21	83.93	13.81	99.08	16.17	114.23	18.14	121.20	20.20	131.95	19.92	134.94	20.12	139.07	20.31
	23	83.93	14.03	99.08	16.44	114.23	18.44	121.20	20.53	131.95	20.25	133.68	20.45	137.77	20.65
	25	83.93	14.48	99.08	16.97	114.23	19.04	121.20	21.19	130.72	20.90	132.41	21.11	136.47	21.31
	27	83.93	14.71	99.08	17.23	114.23	19.33	121.20	21.52	129.49	21.22	131.15	21.43	135.17	21.65
	29	83.93	18.10	99.08	21.21	114.23	23.80	121.20	26.49	128.25	26.12	129.89	26.38	133.87	26.64
	31	83.93	20.37	99.08	23.86	114.23	26.77	121.20	29.80	127.02	29.39	128.63	29.68	132.57	29.97
	33	83.93	21.50	99.08	25.19	114.23	28.26	121.20	31.46	124.55	31.02	127.37	31.33	131.27	31.64
	35	83.93	22.63	99.08	26.51	114.23	29.74	121.20	33.11	123.32	32.65	126.11	32.98	129.97	33.30
	37	83.93	23.62	99.08	27.67	114.23	31.04	118.78	34.56	120.85	33.91	122.33	34.08	124.77	34.25
	39	83.93	24.44	99.08	28.63	114.23	32.12	117.93	35.76	119.62	35.10	121.06	35.55	122.17	35.80
	41	83.93	25.44	99.08	29.80	114.23	33.43	117.56	37.22	118.39	36.57	119.80	36.93	120.87	37.23
	43	83.93	26.70	99.08	31.28	114.23	35.10	116.35	39.08	117.15	38.53	118.54	38.85	120.22	39.03
	46	83.93	27.87	99.08	32.65	114.23	36.63	114.02	40.78	114.81	40.02	114.99	40.15	115.41	40.14
	48	83.93	28.84	99.08	33.79	114.23	37.91	113.21	42.20	113.64	41.42	113.80	41.88	113.01	41.95
	50	83.93	30.02	99.08	35.16	114.23	39.45	112.86	43.92	112.47	43.16	112.61	43.51	111.81	43.63

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	73.44	9.90	86.70	11.59	99.95	13.01	106.05	14.48	115.46	14.28	123.59	14.42	128.51	14.56
	12	73.44	10.08	86.70	11.80	99.95	13.24	106.05	14.75	115.46	14.54	123.59	14.68	127.37	14.83
	14	73.44	10.26	86.70	12.02	99.95	13.48	106.05	15.01	115.46	14.80	122.48	14.95	126.23	15.09
	16	73.44	10.44	86.70	12.23	99.95	13.72	106.05	15.27	115.46	15.06	121.38	15.21	125.09	15.36
	18	73.44	10.62	86.70	12.44	99.95	13.95	106.05	15.54	115.46	15.32	120.28	15.47	123.96	15.62
	19	73.44	10.80	86.70	12.65	99.95	14.19	106.05	15.80	115.46	15.58	119.17	15.73	122.82	15.89
	21	73.44	10.98	86.70	12.86	99.95	14.43	106.05	16.06	115.46	15.84	118.07	16.00	121.68	16.15
	23	73.44	11.16	86.70	13.07	99.95	14.66	106.05	16.33	115.46	16.10	116.97	16.26	120.55	16.42
	25	73.44	11.52	86.70	13.49	99.95	15.14	106.05	16.85	114.38	16.62	115.86	16.78	119.41	16.95
	27	73.44	11.70	86.70	13.70	99.95	15.37	106.05	17.12	113.30	16.88	114.76	17.04	118.27	17.21
	29	73.44	14.40	86.70	16.86	99.95	18.92	106.05	21.06	112.22	20.77	113.66	20.98	117.13	21.18
	31	73.44	16.20	86.70	18.97	99.95	21.29	106.05	23.70	111.14	23.37	112.55	23.60	116.00	23.83
	33	73.44	17.10	86.70	20.03	99.95	22.47	106.05	25.01	108.98	24.67	111.45	24.91	114.86	25.15
	35	73.44	18.00	86.70	21.08	99.95	23.65	106.05	26.33	107.91	25.96	110.35	26.22	113.72	26.48
	37	73.44	18.78	86.70	22.00	99.95	24.68	103.93	27.48	105.75	26.97	107.03	27.10	109.17	27.24
	39	73.44	19.43	86.70	22.77	99.95	25.54	103.19	28.44	104.67	27.91	105.93	28.27	106.90	28.46
	41	73.44	20.23	86.70	23.69	99.95	26.58	102.87	29.60	103.59	29.08	104.83	29.37	105.76	29.60
	43	73.44	21.23	86.70	24.87	99.95	27.91	101.81	31.07	102.51	30.64	103.72	30.89	105.19	31.03
	46	73.44	22.16	86.70	25.96	99.95	29.12	99.77	32.43	100.46	31.82	100.61	31.93	100.99	31.92
	48	73.44	22.93	86.70	26.86	99.95	30.14	99.06	33.56	99.44	32.94	99.58	33.30	98.88	33.36
	50	73.44	23.87	86.70	27.96	99.95	31.37	98.75	34.92	98.41	34.31	98.54	34.60	97.83	34.70
60%	10	62.95	7.51	74.31	8.80	85.67	9.87	90.90	10.99	98.97	10.84	105.93	10.95	110.15	11.05
	12	62.95	7.65	74.31	8.96	85.67	10.05	90.90	11.19	98.97	11.04	105.93	11.15	109.17	11.25
	14	62.95	7.79	74.31	9.12	85.67	10.23	90.90	11.39	98.97	11.23	104.99	11.34	108.20	11.46
	16	62.95	7.92	74.31	9.28	85.67	10.41	90.90	11.59	98.97	11.43	104.04	11.54	107.22	11.66
	18	62.95	8.06	74.31	9.44	85.67	10.59	90.90	11.79	98.97	11.63	103.09	11.74	106.25	11.86
	19	62.95	8.20	74.31	9.60	85.67	10.77	90.90	11.99	98.97	11.82	102.15	11.94	105.27	12.06
	21	62.95	8.33	74.31	9.76	85.67	10.95	90.90	12.19	98.97	12.02	101.20	12.14	104.30	12.26
	23	62.95	8.47	74.31	9.92	85.67	11.13	90.90	12.39	98.97	12.22	100.26	12.34	103.33	12.46
	25	62.95	8.74	74.31	10.24	85.67	11.49	90.90	12.79	98.04	12.61	99.31	12.74	102.35	12.86
	27	62.95	8.88	74.31	10.40	85.67	11.67	90.90	12.99	97.12	12.81	98.36	12.94	101.38	13.06
	29	62.95	10.93	74.31	12.80	85.67	14.36	90.90	15.99	96.19	15.77	97.42	15.92	100.40	16.08
	31	62.95	12.29	74.31	14.40	85.67	16.16	90.90	17.99	95.27	17.74	96.47	17.91	99.43	18.09
	33	62.95	12.98	74.31	15.20	85.67	17.05	90.90	18.99	93.42	18.72	95.53	18.91	98.45	19.09
	35	62.95	13.66	74.31	16.00	85.67	17.95	90.90	19.99	92.49	19.71	94.58	19.90	97.48	20.10
	37	62.95	14.25	74.31	16.70	85.67	18.73	89.08	20.86	90.64	20.47	91.74	20.57	93.58	20.67
	39	62.95	14.75	74.31	17.28	85.67	19.39	88.45	21.58	89.72	21.19	90.80	21.45	91.63	21.60
	41	62.95	15.35	74.31	17.98	85.67	20.18	88.17	22.46	88.79	22.07	89.85	22.29	90.65	22.47
	43	62.95	16.12	74.31	18.88	85.67	21.18	87.26	23.58	87.87	23.25	88.91	23.44	90.17	23.55
	46	62.95	16.82	74.31	19.70	85.67	22.11	85.52	24.61	86.11	24.15	86.24	24.23	86.56	24.23
	48	62.95	17.41	74.31	20.39	85.67	22.88	84.91	25.47	85.23	25.00	85.35	25.27	84.76	25.32
	50	62.95	18.12	74.31	21.22	85.67	23.81	84.65	26.51	84.35	26.05	84.46	26.26	83.85	26.33
50%	10	52.46	5.29	61.93	6.20	71.39	6.95	75.75	7.74	82.47	7.63	88.28	7.71	91.79	7.79
	12	52.46	5.39	61.93	6.31	71.39	7.08	75.75	7.88	82.47	7.77	88.28	7.85	90.98	7.93
	14	52.46	5.48	61.93	6.42	71.39	7.21	75.75	8.02	82.47	7.91	87.49	7.99	90.17	8.07
	16	52.46	5.58	61.93	6.54	71.39	7.33	75.75	8.16	82.47	8.05	86.70	8.13	89.35	8.21
	18	52.46	5.68	61.93	6.65	71.39	7.46	75.75	8.31	82.47	8.19	85.91	8.27	88.54	8.35
	19	52.46	5.77	61.93	6.76	71.39	7.59	75.75	8.45	82.47	8.33	85.12	8.41	87.73	8.49
	21	52.46	5.87	61.93	6.87	71.39	7.71	75.75	8.59	82.47	8.47	84.34	8.55	86.92	8.64
	23	52.46	5.96	61.93	6.99	71.39	7.84	75.75	8.73	82.47	8.61	83.55	8.69	86.10	8.78
	25	52.46	6.16	61.93	7.21	71.39	8.09	75.75	9.01	81.70	8.88	82.76	8.97	85.29	9.06
	27	52.46	6.25	61.93	7.33	71.39	8.22	75.75	9.15	80.93	9.02	81.97	9.11	84.48	9.20
	29	52.46	7.70	61.93	9.02	71.39	10.12	75.75	11.26	80.16	11.11	81.18	11.22	83.67	11.33
	31	52.46	8.66	61.93	10.14	71.39	11.38	75.75	12.67	79.39	12.49	80.39	12.62	82.86	12.74
	33	52.46	9.14	61.93	10.71	71.39	12.01	75.75	13.37	77.85	13.19	79.61	13.32	82.04	13.45
	35	52.46	9.62	61.93	11.27	71.39	12.64	75.75	14.08	77.08	13.88	78.82	14.02	81.23	14.16
	37	52.46	10.04	61.93	11.76	71.39	13.20	74.24	14.69	75.53	14.42	76.45	14.49	77.98	14.56
	39	52.46	10.39	61.93	12.17	71.39	13.66	73.70	15.20	74.76	14.92	75.67	15.11	76.36	15.22
	41	52.46	10.81	61.93	12.67	71.39	14.21	73.48	15.82	73.99	15.55	74.88	15.70	75.54	15.83
	43	52.46	11.35	61.93	13.30	71.39	14.92	72.72	16.61	73.22	16.38	74.09	16.51	75.14	16.59
	46	52.46	11.85	61.93	13.88	71.39	15.57	71.27	17.34	71.76	17.01	71.87	17.07	72.13	17.07
	48	52.46	12.26	61.93	14.36	71.39	16.11	70.76	17.94	71.03	17.61	71.13	17.80	70.63	17.84
	50	52.46	12.76	61.93	14.95	71.39	16.77	70.54	18.67	70.29	18.35	70.38	18.50	69.88	18.55

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	41.97	4.19	49.54	4.91	57.12	5.51	60.60	6.14	65.98	6.05	70.62	6.11	73.43	6.17
	12	41.97	4.27	49.54	5.00	57.12	5.61	60.60	6.25	65.98	6.16	70.62	6.22	72.78	6.28
	14	41.97	4.35	49.54	5.09	57.12	5.71	60.60	6.36	65.98	6.27	69.99	6.33	72.13	6.40
	16	41.97	4.42	49.54	5.18	57.12	5.81	60.60	6.47	65.98	6.38	69.36	6.45	71.48	6.51
	18	41.97	4.50	49.54	5.27	57.12	5.91	60.60	6.58	65.98	6.49	68.73	6.56	70.83	6.62
	19	41.97	4.58	49.54	5.36	57.12	6.01	60.60	6.70	65.98	6.60	68.10	6.67	70.18	6.73
	21	41.97	4.65	49.54	5.45	57.12	6.11	60.60	6.81	65.98	6.71	67.47	6.78	69.53	6.85
	23	41.97	4.73	49.54	5.54	57.12	6.21	60.60	6.92	65.98	6.82	66.84	6.89	68.88	6.96
	25	41.97	4.88	49.54	5.72	57.12	6.42	60.60	7.14	65.36	7.04	66.21	7.11	68.23	7.18
	27	41.97	4.96	49.54	5.81	57.12	6.52	60.60	7.25	64.74	7.15	65.58	7.22	67.58	7.29
	29	41.97	6.10	49.54	7.15	57.12	8.02	60.60	8.93	64.13	8.80	64.95	8.89	66.93	8.98
	31	41.97	6.86	49.54	8.04	57.12	9.02	60.60	10.04	63.51	9.90	64.32	10.00	66.28	10.10
	33	41.97	7.25	49.54	8.49	57.12	9.52	60.60	10.60	62.28	10.45	63.68	10.56	65.63	10.66
	35	41.97	7.63	49.54	8.93	57.12	10.02	60.60	11.16	61.66	11.00	63.05	11.11	64.98	11.22
	37	41.97	7.96	49.54	9.32	57.12	10.46	59.39	11.65	60.43	11.43	61.16	11.49	62.39	11.54
	39	41.97	8.24	49.54	9.65	57.12	10.83	58.96	12.05	59.81	11.83	60.53	11.98	61.09	12.06
	41	41.97	8.57	49.54	10.04	57.12	11.27	58.78	12.54	59.19	12.32	59.90	12.45	60.44	12.55
	43	41.97	9.00	49.54	10.54	57.12	11.83	58.18	13.17	58.58	12.99	59.27	13.09	60.11	13.15
	46	41.97	9.39	49.54	11.00	57.12	12.34	57.01	13.74	57.41	13.49	57.49	13.53	57.71	13.53
	48	41.97	9.72	49.54	11.39	57.12	12.77	56.61	14.22	56.82	13.96	56.90	14.11	56.50	14.14
	50	41.97	10.12	49.54	11.85	57.12	13.29	56.43	14.80	56.23	14.54	56.31	14.66	55.90	14.70
30%	10	31.47	3.84	37.16	4.50	42.84	5.04	45.45	5.62	49.48	5.54	52.97	5.59	55.07	5.65
	12	31.47	3.91	37.16	4.58	42.84	5.14	45.45	5.72	49.48	5.64	52.97	5.69	54.59	5.75
	14	31.47	3.98	37.16	4.66	42.84	5.23	45.45	5.82	49.48	5.74	52.49	5.80	54.10	5.85
	16	31.47	4.05	37.16	4.74	42.84	5.32	45.45	5.92	49.48	5.84	52.02	5.90	53.61	5.96
	18	31.47	4.12	37.16	4.82	42.84	5.41	45.45	6.02	49.48	5.94	51.55	6.00	53.12	6.06
	19	31.47	4.19	37.16	4.91	42.84	5.50	45.45	6.13	49.48	6.04	51.07	6.10	52.64	6.16
	21	31.47	4.26	37.16	4.99	42.84	5.59	45.45	6.23	49.48	6.14	50.60	6.20	52.15	6.26
	23	31.47	4.33	37.16	5.07	42.84	5.69	45.45	6.33	49.48	6.24	50.13	6.30	51.66	6.37
	25	31.47	4.47	37.16	5.23	42.84	5.87	45.45	6.54	49.02	6.44	49.66	6.51	51.18	6.57
	27	31.47	4.54	37.16	5.31	42.84	5.96	45.45	6.64	48.56	6.55	49.18	6.61	50.69	6.67
	29	31.47	5.58	37.16	6.54	42.84	7.34	45.45	8.17	48.10	8.06	48.71	8.14	50.20	8.22
	31	31.47	6.28	37.16	7.36	42.84	8.25	45.45	9.19	47.63	9.06	48.24	9.15	49.71	9.24
	33	31.47	6.63	37.16	7.77	42.84	8.71	45.45	9.70	46.71	9.57	47.76	9.66	49.23	9.76
	35	31.47	6.98	37.16	8.18	42.84	9.17	45.45	10.21	46.25	10.07	47.29	10.17	48.74	10.27
	37	31.47	7.28	37.16	8.53	42.84	9.57	44.54	10.66	45.32	10.46	45.87	10.51	46.79	10.56
	39	31.47	7.54	37.16	8.83	42.84	9.91	44.22	11.03	44.86	10.82	45.40	10.96	45.81	11.04
	41	31.47	7.84	37.16	9.19	42.84	10.31	44.09	11.48	44.40	11.28	44.93	11.39	45.33	11.48
	43	31.47	8.23	37.16	9.65	42.84	10.82	43.63	12.05	43.93	11.88	44.45	11.98	45.08	12.04
	46	31.47	8.59	37.16	10.07	42.84	11.29	42.76	12.57	43.05	12.34	43.12	12.38	43.28	12.38
	48	31.47	8.89	37.16	10.42	42.84	11.69	42.45	13.01	42.62	12.77	42.68	12.91	42.38	12.94
	50	31.47	9.26	37.16	10.84	42.84	12.17	42.32	13.54	42.18	13.31	42.23	13.42	41.93	13.46
20%	10	20.98	2.22	24.77	2.60	28.56	2.92	30.30	3.25	32.99	3.20	35.31	3.24	36.72	3.27
	12	20.98	2.26	24.77	2.65	28.56	2.97	30.30	3.31	32.99	3.26	35.31	3.29	36.39	3.33
	14	20.98	2.30	24.77	2.70	28.56	3.02	30.30	3.37	32.99	3.32	35.00	3.35	36.07	3.39
	16	20.98	2.34	24.77	2.74	28.56	3.08	30.30	3.43	32.99	3.38	34.68	3.41	35.74	3.45
	18	20.98	2.38	24.77	2.79	28.56	3.13	30.30	3.49	32.99	3.44	34.36	3.47	35.42	3.51
	19	20.98	2.42	24.77	2.84	28.56	3.18	30.30	3.54	32.99	3.50	34.05	3.53	35.09	3.56
	21	20.98	2.46	24.77	2.89	28.56	3.24	30.30	3.60	32.99	3.55	33.73	3.59	34.77	3.62
	23	20.98	2.50	24.77	2.93	28.56	3.29	30.30	3.66	32.99	3.61	33.42	3.65	34.44	3.68
	25	20.98	2.58	24.77	3.03	28.56	3.40	30.30	3.78	32.68	3.73	33.10	3.77	34.12	3.80
	27	20.98	2.62	24.77	3.07	28.56	3.45	30.30	3.84	32.37	3.79	32.79	3.82	33.79	3.86
	29	20.98	3.23	24.77	3.78	28.56	4.25	30.30	4.73	32.06	4.66	32.47	4.71	33.47	4.75
	31	20.98	3.63	24.77	4.26	28.56	4.78	30.30	5.32	31.76	5.24	32.16	5.30	33.14	5.35
	33	20.98	3.84	24.77	4.49	28.56	5.04	30.30	5.61	31.14	5.53	31.84	5.59	32.82	5.64
	35	20.98	4.04	24.77	4.73	28.56	5.31	30.30	5.91	30.83	5.83	31.53	5.88	32.49	5.94
	37	20.98	4.21	24.77	4.94	28.56	5.54	29.69	6.17	30.21	6.05	30.58	6.08	31.19	6.11
	39	20.98	4.36	24.77	5.11	28.56	5.73	29.48	6.38	29.91	6.26	30.27	6.34	30.54	6.39
	41	20.98	4.54	24.77	5.32	28.56	5.96	29.39	6.64	29.60	6.52	29.95	6.59	30.22	6.64
	43	20.98	4.76	24.77	5.58	28.56	6.26	29.09	6.97	29.29	6.87	29.64	6.93	30.06	6.96
	46	20.98	4.97	24.77	5.82	28.56	6.53	28.51	7.28	28.70	7.14	28.75	7.16	28.85	7.16
	48	20.98	5.15	24.77	6.03	28.56	6.76	28.30	7.53	28.41	7.39	28.45	7.47	28.25	7.49
	50	20.98	5.36	24.77	6.27	28.56	7.04	28.22	7.84	28.12	7.70	28.15	7.76	27.95	7.78

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR560ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	119.21	20.95	140.72	24.54	162.24	27.53	172.14	30.35	187.41	30.22	200.60	30.52	208.59	30.82
	12	119.21	21.33	140.72	24.98	162.24	28.03	172.14	30.90	187.41	30.77	200.60	31.07	206.74	31.38
	14	119.21	21.71	140.72	25.43	162.24	28.53	172.14	31.46	187.41	31.32	198.81	31.63	204.90	31.94
	16	119.21	22.09	140.72	25.87	162.24	29.03	172.14	32.01	187.41	31.87	197.02	32.18	203.05	32.50
	18	119.21	22.47	140.72	26.32	162.24	29.53	172.14	32.56	187.41	32.42	195.23	32.74	201.21	33.06
	19	119.21	22.85	140.72	26.77	157.37	30.03	172.14	33.11	187.41	32.97	193.44	33.29	199.36	33.62
	21	119.21	23.23	140.72	27.21	162.24	30.53	172.14	33.66	187.41	33.52	191.65	33.85	197.52	34.18
	23	119.21	23.61	140.72	27.66	162.24	31.03	172.14	34.21	187.41	34.07	189.86	34.40	195.67	34.74
	25	119.21	24.37	140.72	28.55	162.24	32.03	172.14	35.32	185.66	35.17	188.07	35.51	193.82	35.86
	27	119.21	24.75	140.72	29.00	162.24	32.53	172.14	35.87	183.91	35.72	186.28	36.07	191.98	36.42
	29	119.21	30.47	140.72	35.69	162.24	40.04	172.14	44.15	182.16	43.96	184.48	44.39	190.13	44.83
	31	119.21	34.27	140.72	40.15	162.24	45.05	172.14	49.67	180.41	49.45	182.69	49.94	188.29	50.43
	33	119.21	36.18	140.72	42.38	162.24	47.55	172.14	52.43	176.90	52.20	180.90	52.72	186.44	53.23
	35	119.21	38.08	140.72	44.61	162.24	50.05	172.14	55.18	175.15	54.95	179.11	55.49	184.59	56.03
	37	119.21	39.74	140.72	46.56	162.24	52.23	168.70	57.59	171.65	57.07	173.74	57.36	177.21	57.64
	39	119.21	41.13	140.72	48.18	162.24	54.05	167.49	59.60	169.90	59.07	171.95	59.82	173.52	60.24
	41	119.21	42.80	140.72	50.14	162.24	56.26	166.98	62.03	168.15	61.54	170.16	62.15	171.67	62.65
	43	119.21	44.94	140.72	52.64	162.24	59.06	165.25	65.12	166.39	64.84	168.36	65.37	170.75	65.67
120%	46	119.21	46.90	140.72	54.94	162.24	61.63	161.95	67.96	163.07	67.34	163.31	67.56	163.92	67.55
	48	119.21	48.53	140.72	56.85	162.24	63.78	160.79	70.33	161.40	69.70	161.63	70.47	160.50	70.60
	50	119.21	50.51	140.72	59.17	162.24	66.38	160.30	73.19	159.74	72.62	159.95	73.21	158.80	73.42
	10	117.26	20.74	138.43	24.30	159.60	27.26	169.34	30.06	184.36	29.93	197.34	30.22	205.19	30.52
	12	117.26	21.12	138.43	24.74	159.60	27.76	169.34	30.60	184.36	30.47	197.34	30.77	203.38	31.07
	14	117.26	21.50	138.43	25.18	159.60	28.25	169.34	31.15	184.36	31.02	195.58	31.32	201.56	31.63
	16	117.26	21.87	138.43	25.62	159.60	28.75	169.34	31.70	184.36	31.56	193.81	31.87	199.75	32.18
	18	117.26	22.25	138.43	26.06	159.60	29.24	169.34	32.24	184.36	32.10	192.05	32.42	197.93	32.74
	19	117.26	22.63	138.43	26.51	159.60	29.74	169.34	32.79	184.36	32.65	190.29	32.97	196.11	33.29
	21	117.26	23.00	138.43	26.95	159.60	30.23	169.34	33.34	184.36	33.19	188.53	33.52	194.30	33.85
	23	117.26	23.38	138.43	27.39	159.60	30.73	169.34	33.88	184.36	33.74	186.77	34.07	192.48	34.40
	25	117.26	24.14	138.43	28.27	159.60	31.72	169.34	34.98	182.64	34.82	185.00	35.17	190.67	35.51
	27	117.26	24.51	138.43	28.72	159.60	32.22	169.34	35.52	180.91	35.37	183.24	35.72	188.85	36.07
	29	117.26	30.17	138.43	35.34	159.60	39.65	169.34	43.72	179.19	43.53	181.48	43.96	187.03	44.39
	31	117.26	33.94	138.43	39.76	159.60	44.61	169.34	49.18	177.47	48.97	179.72	49.46	185.22	49.94
	33	117.26	35.83	138.43	41.97	159.60	47.09	169.34	51.92	174.02	51.69	177.96	52.20	183.40	52.72
	35	117.26	37.71	138.43	44.18	159.60	49.56	169.34	54.65	172.30	54.41	176.19	54.95	181.59	55.49
	37	117.26	39.36	138.43	46.10	159.60	51.73	165.95	57.03	168.85	56.51	170.91	56.80	174.32	57.08
	39	117.26	40.73	138.43	47.71	159.60	53.53	164.76	59.02	167.13	58.49	169.15	59.24	170.69	59.65
	41	117.26	42.39	138.43	49.66	159.60	55.71	164.26	61.43	165.41	60.94	167.38	61.55	168.88	62.04
	43	117.26	44.50	138.43	52.13	159.60	58.49	162.56	64.49	163.68	64.21	165.62	64.73	167.97	65.04
110%	46	117.26	46.44	138.43	54.40	159.60	61.04	159.31	67.30	160.41	66.69	160.65	66.91	161.25	66.90
	48	117.26	48.06	138.43	56.30	159.60	63.17	158.17	69.64	158.77	69.02	159.00	69.78	157.89	69.91
	50	117.26	50.02	138.43	58.59	159.60	65.74	157.69	72.48	157.14	71.91	157.34	72.50	156.21	72.71
	10	115.32	20.25	136.14	23.72	156.96	26.61	166.53	29.34	181.31	29.21	194.07	29.50	201.80	29.79
	12	115.32	20.62	136.14	24.15	156.96	27.10	166.53	29.87	181.31	29.75	194.07	30.04	200.01	30.33
	14	115.32	20.98	136.14	24.58	156.96	27.58	166.53	30.41	181.31	30.28	192.34	30.58	198.22	30.88
	16	115.32	21.35	136.14	25.01	156.96	28.06	166.53	30.94	181.31	30.81	190.60	31.11	196.44	31.42
	18	115.32	21.72	136.14	25.44	156.96	28.55	166.53	31.48	181.31	31.34	188.87	31.65	194.65	31.96
	19	115.32	22.09	136.14	25.88	156.96	29.03	166.53	32.01	181.31	31.87	187.14	32.19	192.87	32.50
	21	115.32	22.46	136.14	26.31	156.96	29.51	166.53	32.54	181.31	32.40	185.41	32.72	191.08	33.04
	23	115.32	22.82	136.14	26.74	156.96	30.00	166.53	33.08	181.31	32.93	183.67	33.26	189.30	33.59
	25	115.32	23.56	136.14	27.60	156.96	30.97	166.53	34.14	179.61	34.00	181.94	34.33	187.51	34.67
	27	115.32	23.93	136.14	28.03	156.96	31.45	166.53	34.68	177.92	34.53	180.21	34.87	185.72	35.21
	29	115.32	29.45	136.14	34.50	156.96	38.71	166.53	42.68	176.22	42.49	178.47	42.91	183.94	43.34
	31	115.32	33.13	136.14	38.81	156.96	43.55	166.53	48.01	174.53	47.81	176.74	48.28	182.15	48.75
	33	115.32	34.97	136.14	40.97	156.96	45.97	166.53	50.68	171.14	50.46	175.01	50.96	180.37	51.46
	35	115.32	36.81	136.14	43.13	156.96	48.38	166.53	53.35	169.45	53.12	173.28	53.64	178.58	54.17
	37	115.32	38.42	136.14	45.01	156.96	50.49	163.20	55.67	166.06	55.17	168.08	55.45	171.44	55.72
	39	115.32	39.76	136.14	46.58	156.96	52.26	162.04	57.62	164.36	57.10	166.35	57.83	167.87	58.23
	41	115.32	41.38	136.14	48.47	156.96	54.38	161.54	59.96	162.67	59.49	164.61	60.08	166.08	60.56
	43	115.32	43.44	136.14	50.89	156.96	57.09	159.87	62.95	160.97	62.68	162.88	63.19	165.19	63.49
	46	115.32	45.33	136.14	53.11	156.96	59.58	156.67	65.70	157.75	65.10	157.99	65.32	158.58	65.30
	48	115.32	46.92	136.14	54.96	156.96	61.66	155.55	67.99	156.14	67.38	156.36	68.12	155.28	68.25
	50	115.32	48.83	136.14	57.20	156.96	64.17	155.07	70.76	154.54	70.20	154.74	70.78	153.62	70.98

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	108.72	19.17	128.35	22.46	147.97	25.20	157.00	27.39	170.93	27.66	182.96	27.94	190.25	28.21
	12	108.72	19.52	128.35	22.87	147.97	25.66	157.00	27.89	170.93	28.17	182.96	28.45	188.56	28.72
	14	108.72	19.87	128.35	23.28	147.97	26.12	157.00	28.39	170.93	28.67	181.33	28.95	186.88	29.24
	16	108.72	20.22	128.35	23.68	147.97	26.57	157.00	28.88	170.93	29.17	179.69	29.46	185.19	29.75
	18	108.72	20.57	128.35	24.09	147.97	27.03	157.00	29.38	170.93	29.68	178.06	29.97	183.51	30.26
	19	108.72	20.92	128.35	24.50	147.97	27.49	157.00	29.88	170.93	30.18	176.43	30.48	181.83	30.78
	21	108.72	21.26	128.35	24.91	147.97	27.95	157.00	30.38	170.93	30.68	174.79	30.99	180.14	31.29
	23	108.72	21.61	128.35	25.32	147.97	28.41	157.00	30.88	170.93	31.18	173.16	31.49	178.46	31.80
	25	108.72	22.31	128.35	26.14	147.97	29.32	157.00	31.87	169.33	32.19	171.53	32.51	176.78	32.83
	27	108.72	22.66	128.35	26.54	147.97	29.78	157.00	32.37	167.73	32.69	169.89	33.02	175.09	33.34
	29	108.72	27.89	128.35	32.67	147.97	36.65	157.00	39.84	166.14	40.24	168.26	40.64	173.41	41.04
	31	108.72	31.37	128.35	36.75	147.97	41.23	157.00	44.82	164.54	45.27	166.63	45.72	171.73	46.16
	33	108.72	33.12	128.35	38.79	147.97	43.53	157.00	47.31	161.34	47.78	164.99	48.26	170.04	48.73
	35	108.72	34.86	128.35	40.84	147.97	45.82	157.00	49.80	159.75	50.30	163.36	50.80	168.36	51.29
	37	108.72	36.38	128.35	42.62	147.97	47.81	153.86	51.97	156.55	52.24	158.46	52.50	161.62	52.76
	39	108.72	37.65	128.35	44.10	147.97	49.48	152.76	53.78	154.96	54.07	156.82	54.76	158.26	55.14
	41	108.72	39.18	128.35	45.90	147.97	51.50	152.29	55.98	153.36	56.33	155.19	56.89	156.57	57.35
	43	108.72	41.13	128.35	48.19	147.97	54.06	150.72	58.76	151.76	59.35	153.56	59.84	155.73	60.12
	46	108.72	42.93	128.35	50.29	147.97	56.42	147.71	61.33	148.72	61.64	148.95	61.85	149.50	61.84
	48	108.72	44.43	128.35	52.04	147.97	58.39	146.65	63.47	147.21	63.80	147.41	64.51	146.39	64.63
	50	108.72	46.24	128.35	54.16	147.97	60.77	146.20	66.05	145.69	66.47	145.88	67.02	144.83	67.21
90%	10	97.85	16.09	115.51	18.85	133.18	21.15	141.30	23.32	153.84	23.22	164.67	23.45	171.22	23.68
	12	97.85	16.39	115.51	19.20	133.18	21.54	141.30	23.75	153.84	23.64	164.67	23.88	169.71	24.11
	14	97.85	16.68	115.51	19.54	133.18	21.92	141.30	24.17	153.84	24.07	163.20	24.30	168.19	24.54
	16	97.85	16.97	115.51	19.88	133.18	22.31	141.30	24.59	153.84	24.49	161.72	24.73	166.68	24.97
	18	97.85	17.26	115.51	20.22	133.18	22.69	141.30	25.02	153.84	24.91	160.25	25.16	165.16	25.40
	19	97.85	17.56	115.51	20.57	133.18	23.07	141.30	25.44	153.84	25.33	158.78	25.58	163.64	25.83
	21	97.85	17.85	115.51	20.91	133.18	23.46	141.30	25.87	153.84	25.75	157.31	26.01	162.13	26.26
	23	97.85	18.14	115.51	21.25	133.18	23.84	141.30	26.29	153.84	26.18	155.84	26.44	160.61	26.69
	25	97.85	18.73	115.51	21.94	133.18	24.61	141.30	27.14	152.40	27.02	154.37	27.29	159.10	27.56
	27	97.85	19.02	115.51	22.28	133.18	25.00	141.30	27.56	150.96	27.44	152.90	27.71	157.58	27.99
	29	97.85	23.41	115.51	27.42	133.18	30.77	141.30	33.92	149.52	33.78	151.43	34.11	156.07	34.44
	31	97.85	26.34	115.51	30.85	133.18	34.61	141.30	38.16	148.09	38.00	149.96	38.37	154.55	38.75
	33	97.85	27.80	115.51	32.56	133.18	36.53	141.30	40.28	145.21	40.11	148.49	40.51	153.04	40.90
	35	97.85	29.26	115.51	34.28	133.18	38.46	141.30	42.40	143.77	42.22	147.02	42.64	151.52	43.06
	37	97.85	30.54	115.51	35.77	133.18	40.13	138.47	44.25	140.90	43.85	142.61	44.07	145.46	44.29
	39	97.85	31.60	115.51	37.02	133.18	41.53	137.48	45.80	139.46	45.39	141.14	45.96	142.43	46.29
	41	97.85	32.89	115.51	38.53	133.18	43.23	137.06	47.66	138.02	47.29	139.67	47.75	140.92	48.14
	43	97.85	34.53	115.51	40.45	133.18	45.38	135.65	50.04	136.58	49.82	138.20	50.23	140.16	50.46
	46	97.85	36.03	115.51	42.21	133.18	47.36	132.94	52.22	133.85	51.74	134.06	51.92	134.55	51.90
	48	97.85	37.29	115.51	43.68	133.18	49.01	131.99	54.04	132.49	53.56	132.67	54.15	131.75	54.25
	50	97.85	38.81	115.51	45.46	133.18	51.01	131.58	56.24	131.12	55.80	131.29	56.25	130.35	56.42
80%	10	86.98	13.19	102.68	15.45	118.38	17.33	125.60	19.11	136.74	19.03	146.37	19.22	152.20	19.41
	12	86.98	13.43	102.68	15.73	118.38	17.65	125.60	19.46	136.74	19.38	146.37	19.57	150.85	19.76
	14	86.98	13.67	102.68	16.01	118.38	17.96	125.60	19.81	136.74	19.72	145.06	19.92	149.50	20.11
	16	86.98	13.91	102.68	16.29	118.38	18.28	125.60	20.15	136.74	20.07	143.76	20.27	148.16	20.46
	18	86.98	14.15	102.68	16.57	118.38	18.59	125.60	20.50	136.74	20.41	142.45	20.62	146.81	20.82
	19	86.98	14.39	102.68	16.85	118.38	18.91	125.60	20.85	136.74	20.76	141.14	20.96	145.46	21.17
	21	86.98	14.63	102.68	17.14	118.38	19.22	125.60	21.20	136.74	21.11	139.83	21.31	144.12	21.52
	23	86.98	14.87	102.68	17.42	118.38	19.54	125.60	21.54	136.74	21.45	138.53	21.66	142.77	21.88
	25	86.98	15.35	102.68	17.98	118.38	20.17	125.60	22.24	135.47	22.14	137.22	22.36	141.42	22.58
	27	86.98	15.59	102.68	18.26	118.38	20.49	125.60	22.59	134.19	22.49	135.91	22.71	140.07	22.93
	29	86.98	19.18	102.68	22.47	118.38	25.21	125.60	27.80	132.91	27.68	134.61	27.95	138.73	28.23
	31	86.98	21.58	102.68	25.28	118.38	28.36	125.60	31.27	131.63	31.14	133.30	31.45	137.38	31.76
	33	86.98	22.78	102.68	26.69	118.38	29.94	125.60	33.01	129.08	32.87	131.99	33.19	136.03	33.52
	35	86.98	23.98	102.68	28.09	118.38	31.52	125.60	34.75	127.80	34.60	130.69	34.94	134.69	35.28
	37	86.98	25.02	102.68	29.31	118.38	32.89	123.09	36.26	125.24	35.93	126.77	36.12	129.30	36.29
	39	86.98	25.90	102.68	30.34	118.38	34.04	122.21	37.53	123.96	37.19	125.46	37.67	126.61	37.93
	41	86.98	26.95	102.68	31.57	118.38	35.42	121.83	39.06	122.69	38.75	124.15	39.13	125.26	39.45
	43	86.98	28.30	102.68	33.15	118.38	37.19	120.58	41.00	121.41	40.83	122.85	41.16	124.59	41.35
	46	86.98	29.53	102.68	34.59	118.38	38.81	118.16	42.79	118.98	42.40	119.16	42.54	119.60	42.54
	48	86.98	30.56	102.68	35.80	118.38	40.16	117.32	44.28	117.77	43.89	117.93	44.37	117.11	44.45
	50	86.98	31.80	102.68	37.26	118.38	41.80	116.96	46.09	116.55	45.73	116.70	46.10	115.86	46.23

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	76.11	10.49	89.84	12.28	103.58	13.78	109.90	15.20	119.65	15.13	128.07	15.28	133.17	15.43
	12	76.11	10.68	89.84	12.51	103.58	14.03	109.90	15.47	119.65	15.41	128.07	15.56	131.99	15.71
	14	76.11	10.87	89.84	12.73	103.58	14.28	109.90	15.75	119.65	15.68	126.93	15.84	130.81	15.99
	16	76.11	11.06	89.84	12.95	103.58	14.53	109.90	16.03	119.65	15.96	125.79	16.11	129.64	16.27
	18	76.11	11.25	89.84	13.18	103.58	14.79	109.90	16.30	119.65	16.23	124.64	16.39	128.46	16.55
	19	76.11	11.44	89.84	13.40	103.58	15.04	109.90	16.58	119.65	16.51	123.50	16.67	127.28	16.83
	21	76.11	11.63	89.84	13.62	103.58	15.29	109.90	16.85	119.65	16.78	122.36	16.95	126.10	17.11
	23	76.11	11.82	89.84	13.85	103.58	15.54	109.90	17.13	119.65	17.06	121.21	17.23	124.92	17.39
	25	76.11	12.20	89.84	14.30	103.58	16.04	109.90	17.68	118.53	17.61	120.07	17.78	123.74	17.96
	27	76.11	12.39	89.84	14.52	103.58	16.29	109.90	17.96	117.41	17.88	118.92	18.06	122.57	18.24
	29	76.11	15.25	89.84	17.87	103.58	20.05	109.90	22.10	116.30	22.01	117.78	22.23	121.39	22.45
	31	76.11	17.16	89.84	20.10	103.58	22.55	109.90	24.87	115.18	24.76	116.64	25.01	120.21	25.25
	33	76.11	18.11	89.84	21.22	103.58	23.81	109.90	26.25	112.94	26.14	115.49	26.39	119.03	26.65
	35	76.11	19.07	89.84	22.34	103.58	25.06	109.90	27.63	111.82	27.51	114.35	27.78	117.85	28.06
	37	76.11	19.90	89.84	23.31	103.58	26.15	107.70	28.84	109.59	28.57	110.92	28.72	113.14	28.86
	39	76.11	20.59	89.84	24.12	103.58	27.06	106.93	29.84	108.47	29.57	109.78	29.95	110.78	30.16
	41	76.11	21.43	89.84	25.11	103.58	28.17	106.60	31.06	107.35	30.81	108.63	31.12	109.60	31.37
	43	76.11	22.50	89.84	26.36	103.58	29.57	105.50	32.60	106.23	32.46	107.49	32.73	109.01	32.88
	46	76.11	23.48	89.84	27.51	103.58	30.86	103.39	34.03	104.11	33.72	104.27	33.83	104.65	33.82
	48	76.11	24.30	89.84	28.47	103.58	31.94	102.66	35.21	103.05	34.90	103.19	35.28	102.47	35.35
	50	76.11	25.29	89.84	29.62	103.58	33.24	102.34	36.65	101.98	36.36	102.12	36.66	101.38	36.76
60%	10	65.23	7.96	77.01	9.32	88.78	10.46	94.20	11.53	102.56	11.48	109.78	11.60	114.15	11.71
	12	65.23	8.10	77.01	9.49	88.78	10.65	94.20	11.74	102.56	11.69	109.78	11.81	113.14	11.93
	14	65.23	8.25	77.01	9.66	88.78	10.84	94.20	11.95	102.56	11.90	108.80	12.02	112.13	12.14
	16	65.23	8.39	77.01	9.83	88.78	11.03	94.20	12.16	102.56	12.11	107.82	12.23	111.12	12.35
	18	65.23	8.54	77.01	10.00	88.78	11.22	94.20	12.37	102.56	12.32	106.84	12.44	110.11	12.56
	19	65.23	8.68	77.01	10.17	88.78	11.41	94.20	12.58	102.56	12.53	105.86	12.65	109.10	12.78
	21	65.23	8.83	77.01	10.34	88.78	11.60	94.20	12.79	102.56	12.74	104.88	12.86	108.09	12.99
	23	65.23	8.97	77.01	10.51	88.78	11.79	94.20	13.00	102.56	12.95	103.90	13.07	107.08	13.20
	25	65.23	9.26	77.01	10.85	88.78	12.17	94.20	13.42	101.60	13.36	102.92	13.50	106.07	13.63
	27	65.23	9.41	77.01	11.02	88.78	12.36	94.20	13.63	100.64	13.57	101.94	13.71	105.06	13.84
	29	65.23	11.58	77.01	13.56	88.78	15.22	94.20	16.78	99.68	16.71	100.96	16.87	104.05	17.04
	31	65.23	13.02	77.01	15.26	88.78	17.12	94.20	18.87	98.72	18.79	99.98	18.98	103.04	19.17
	33	65.23	13.75	77.01	16.11	88.78	18.07	94.20	19.92	96.81	19.84	99.00	20.03	102.03	20.23
	35	65.23	14.47	77.01	16.95	88.78	19.02	94.20	20.97	95.85	20.88	98.02	21.09	101.02	21.29
	37	65.23	15.10	77.01	17.69	88.78	19.85	92.32	21.89	93.93	21.69	95.07	21.80	96.97	21.90
	39	65.23	15.63	77.01	18.31	88.78	20.54	91.66	22.65	92.97	22.45	94.09	22.73	94.95	22.89
	41	65.23	16.27	77.01	19.06	88.78	21.38	91.37	23.57	92.01	23.39	93.11	23.62	93.94	23.81
	43	65.23	17.08	77.01	20.00	88.78	22.44	90.43	24.75	91.06	24.64	92.13	24.84	93.44	24.96
	46	65.23	17.82	77.01	20.88	88.78	23.42	88.62	25.83	89.23	25.59	89.37	25.68	89.70	25.67
	48	65.23	18.44	77.01	21.61	88.78	24.24	87.99	26.73	88.32	26.49	88.45	26.78	87.83	26.83
	50	65.23	19.19	77.01	22.49	88.78	25.23	87.72	27.82	87.41	27.60	87.53	27.82	86.90	27.90
50%	10	54.36	5.61	64.17	6.57	73.99	7.37	78.50	8.12	85.46	8.09	91.48	8.17	95.12	8.25
	12	54.36	5.71	64.17	6.69	73.99	7.50	78.50	8.27	85.46	8.24	91.48	8.32	94.28	8.40
	14	54.36	5.81	64.17	6.81	73.99	7.64	78.50	8.42	85.46	8.38	90.66	8.47	93.44	8.55
	16	54.36	5.91	64.17	6.93	73.99	7.77	78.50	8.57	85.46	8.53	89.85	8.62	92.60	8.70
	18	54.36	6.01	64.17	7.05	73.99	7.90	78.50	8.72	85.46	8.68	89.03	8.76	91.76	8.85
	19	54.36	6.12	64.17	7.16	73.99	8.04	78.50	8.86	85.46	8.83	88.21	8.91	90.91	9.00
	21	54.36	6.22	64.17	7.28	73.99	8.17	78.50	9.01	85.46	8.97	87.40	9.06	90.07	9.15
	23	54.36	6.32	64.17	7.40	73.99	8.31	78.50	9.16	85.46	9.12	86.58	9.21	89.23	9.30
	25	54.36	6.52	64.17	7.64	73.99	8.57	78.50	9.45	84.67	9.41	85.76	9.51	88.39	9.60
	27	54.36	6.63	64.17	7.76	73.99	8.71	78.50	9.60	83.87	9.56	84.95	9.66	87.55	9.75
	29	54.36	8.16	64.17	9.55	73.99	10.72	78.50	11.82	83.07	11.77	84.13	11.88	86.70	12.00
	31	54.36	9.17	64.17	10.75	73.99	12.06	78.50	13.29	82.27	13.24	83.31	13.37	85.86	13.50
	33	54.36	9.68	64.17	11.34	73.99	12.73	78.50	14.03	80.67	13.97	82.50	14.11	85.02	14.25
	35	54.36	10.19	64.17	11.94	73.99	13.40	78.50	14.77	79.87	14.71	81.68	14.85	84.18	15.00
	37	54.36	10.64	64.17	12.46	73.99	13.98	76.93	15.42	78.28	15.28	79.23	15.35	80.81	15.43
	39	54.36	11.01	64.17	12.90	73.99	14.47	76.38	15.95	77.48	15.81	78.41	16.01	79.13	16.12
	41	54.36	11.46	64.17	13.42	73.99	15.06	76.15	16.60	76.68	16.47	77.60	16.64	78.29	16.77
	43	54.36	12.03	64.17	14.09	73.99	15.81	75.36	17.43	75.88	17.36	76.78	17.50	77.87	17.58
	46	54.36	12.55	64.17	14.71	73.99	16.50	73.85	18.19	74.36	18.03	74.48	18.09	74.75	18.08
	48	54.36	12.99	64.17	15.22	73.99	17.07	73.33	18.83	73.60	18.66	73.71	18.86	73.19	18.90
	50	54.36	13.52	64.17	15.84	73.99	17.77	73.10	19.59	72.84	19.44	72.94	19.60	72.42	19.65

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	43.49	4.44	51.34	5.21	59.19	5.84	62.80	6.44	68.37	6.41	73.18	6.48	76.10	6.54
	12	43.49	4.53	51.34	5.30	59.19	5.95	62.80	6.56	68.37	6.53	73.18	6.59	75.42	6.66
	14	43.49	4.61	51.34	5.40	59.19	6.05	62.80	6.68	68.37	6.65	72.53	6.71	74.75	6.78
	16	43.49	4.69	51.34	5.49	59.19	6.16	62.80	6.79	68.37	6.76	71.88	6.83	74.08	6.90
	18	43.49	4.77	51.34	5.59	59.19	6.27	62.80	6.91	68.37	6.88	71.22	6.95	73.40	7.02
	19	43.49	4.85	51.34	5.68	59.19	6.37	62.80	7.03	68.37	7.00	70.57	7.07	72.73	7.13
	21	43.49	4.93	51.34	5.77	59.19	6.48	62.80	7.14	68.37	7.11	69.92	7.18	72.06	7.25
	23	43.49	5.01	51.34	5.87	59.19	6.59	62.80	7.26	68.37	7.23	69.26	7.30	71.38	7.37
	25	43.49	5.17	51.34	6.06	59.19	6.80	62.80	7.49	67.73	7.46	68.61	7.54	70.71	7.61
	27	43.49	5.25	51.34	6.15	59.19	6.90	62.80	7.61	67.09	7.58	67.96	7.65	70.04	7.73
	29	43.49	6.46	51.34	7.57	59.19	8.50	62.80	9.37	66.45	9.33	67.30	9.42	69.36	9.51
	31	43.49	7.27	51.34	8.52	59.19	9.56	62.80	10.54	65.82	10.49	66.65	10.60	68.69	10.70
	33	43.49	7.68	51.34	8.99	59.19	10.09	62.80	11.13	64.54	11.08	66.00	11.19	68.02	11.30
	35	43.49	8.08	51.34	9.47	59.19	10.62	62.80	11.71	63.90	11.66	65.34	11.78	67.34	11.89
	37	43.49	8.43	51.34	9.88	59.19	11.08	61.54	12.22	62.62	12.11	63.38	12.17	64.65	12.23
	39	43.49	8.73	51.34	10.22	59.19	11.47	61.10	12.65	61.98	12.53	62.73	12.69	63.30	12.78
	41	43.49	9.08	51.34	10.64	59.19	11.94	60.92	13.16	61.34	13.06	62.08	13.19	62.63	13.29
	43	43.49	9.54	51.34	11.17	59.19	12.53	60.29	13.82	60.70	13.76	61.42	13.87	62.29	13.94
	46	43.49	9.95	51.34	11.66	59.19	13.08	59.08	14.42	59.49	14.29	59.58	14.34	59.80	14.33
	48	43.49	10.30	51.34	12.06	59.19	13.54	58.66	14.92	58.88	14.79	58.97	14.95	58.56	14.98
	50	43.49	10.72	51.34	12.56	59.19	14.09	58.48	15.53	58.28	15.41	58.35	15.54	57.93	15.58
30%	10	32.62	4.07	38.50	4.76	44.39	5.35	47.10	5.89	51.28	5.87	54.89	5.93	57.07	5.98
	12	32.62	4.14	38.50	4.85	44.39	5.44	47.10	6.00	51.28	5.97	54.89	6.03	56.57	6.09
	14	32.62	4.21	38.50	4.94	44.39	5.54	47.10	6.11	51.28	6.08	54.40	6.14	56.06	6.20
	16	32.62	4.29	38.50	5.02	44.39	5.64	47.10	6.21	51.28	6.19	53.91	6.25	55.56	6.31
	18	32.62	4.36	38.50	5.11	44.39	5.73	47.10	6.32	51.28	6.29	53.42	6.36	55.05	6.42
	19	32.62	4.44	38.50	5.20	44.39	5.83	47.10	6.43	51.28	6.40	52.93	6.46	54.55	6.53
	21	32.62	4.51	38.50	5.28	44.39	5.93	47.10	6.54	51.28	6.51	52.44	6.57	54.04	6.64
	23	32.62	4.58	38.50	5.37	44.39	6.03	47.10	6.64	51.28	6.61	51.95	6.68	53.54	6.75
	25	32.62	4.73	38.50	5.54	44.39	6.22	47.10	6.86	50.80	6.83	51.46	6.90	53.03	6.96
	27	32.62	4.81	38.50	5.63	44.39	6.32	47.10	6.97	50.32	6.94	50.97	7.00	52.53	7.07
	29	32.62	5.92	38.50	6.93	44.39	7.77	47.10	8.57	49.84	8.54	50.48	8.62	52.02	8.70
	31	32.62	6.66	38.50	7.80	44.39	8.75	47.10	9.64	49.36	9.60	49.99	9.70	51.52	9.79
	33	32.62	7.02	38.50	8.23	44.39	9.23	47.10	10.18	48.40	10.14	49.50	10.24	51.01	10.34
	35	32.62	7.39	38.50	8.66	44.39	9.72	47.10	10.72	47.92	10.67	49.01	10.77	50.51	10.88
	37	32.62	7.72	38.50	9.04	44.39	10.14	46.16	11.18	46.97	11.08	47.54	11.14	48.49	11.19
	39	32.62	7.99	38.50	9.36	44.39	10.50	45.83	11.57	46.49	11.47	47.05	11.62	47.48	11.70
	41	32.62	8.31	38.50	9.74	44.39	10.92	45.69	12.04	46.01	11.95	46.56	12.07	46.97	12.16
	43	32.62	8.73	38.50	10.22	44.39	11.47	45.22	12.64	45.53	12.59	46.07	12.69	46.72	12.75
	46	32.62	9.11	38.50	10.67	44.39	11.97	44.31	13.20	44.62	13.08	44.69	13.12	44.85	13.12
	48	32.62	9.42	38.50	11.04	44.39	12.39	44.00	13.66	44.16	13.53	44.22	13.68	43.92	13.71
	50	32.62	9.81	38.50	11.49	44.39	12.89	43.86	14.21	43.71	14.10	43.76	14.22	43.45	14.26
20%	10	21.74	2.35	25.67	2.76	29.59	3.09	31.40	3.41	34.19	3.40	36.59	3.43	38.05	3.46
	12	21.74	2.40	25.67	2.81	29.59	3.15	31.40	3.47	34.19	3.46	36.59	3.49	37.71	3.53
	14	21.74	2.44	25.67	2.86	29.59	3.21	31.40	3.53	34.19	3.52	36.27	3.55	37.38	3.59
	16	21.74	2.48	25.67	2.91	29.59	3.26	31.40	3.60	34.19	3.58	35.94	3.62	37.04	3.65
	18	21.74	2.52	25.67	2.96	29.59	3.32	31.40	3.66	34.19	3.64	35.61	3.68	36.70	3.71
	19	21.74	2.57	25.67	3.01	29.59	3.37	31.40	3.72	34.19	3.70	35.29	3.74	36.37	3.78
	21	21.74	2.61	25.67	3.06	29.59	3.43	31.40	3.78	34.19	3.77	34.96	3.80	36.03	3.84
	23	21.74	2.65	25.67	3.11	29.59	3.49	31.40	3.84	34.19	3.83	34.63	3.87	35.69	3.90
	25	21.74	2.74	25.67	3.21	29.59	3.60	31.40	3.97	33.87	3.95	34.31	3.99	35.36	4.03
	27	21.74	2.78	25.67	3.26	29.59	3.65	31.40	4.03	33.55	4.01	33.98	4.05	35.02	4.09
	29	21.74	3.42	25.67	4.01	29.59	4.50	31.40	4.96	33.23	4.94	33.65	4.99	34.68	5.04
	31	21.74	3.85	25.67	4.51	29.59	5.06	31.40	5.58	32.91	5.56	33.33	5.61	34.35	5.67
	33	21.74	4.06	25.67	4.76	29.59	5.34	31.40	5.89	32.27	5.86	33.00	5.92	34.01	5.98
	35	21.74	4.28	25.67	5.01	29.59	5.62	31.40	6.20	31.95	6.17	32.67	6.23	33.67	6.30
	37	21.74	4.46	25.67	5.23	29.59	5.87	30.77	6.47	31.31	6.41	31.69	6.44	32.32	6.48
	39	21.74	4.62	25.67	5.41	29.59	6.07	30.55	6.70	30.99	6.64	31.36	6.72	31.65	6.77
	41	21.74	4.81	25.67	5.63	29.59	6.32	30.46	6.97	30.67	6.91	31.04	6.98	31.31	7.04
	43	21.74	5.05	25.67	5.91	29.59	6.63	30.14	7.32	30.35	7.28	30.71	7.34	31.15	7.38
	46	21.74	5.27	25.67	6.17	29.59	6.92	29.54	7.63	29.74	7.57	29.79	7.59	29.90	7.59
	48	21.74	5.45	25.67	6.39	29.59	7.17	29.33	7.90	29.44	7.83	29.48	7.92	29.28	7.93
	50	21.74	5.67	25.67	6.65	29.59	7.46	29.24	8.22	29.14	8.16	29.18	8.22	28.97	8.25

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR580ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	123.38	21.41	145.65	25.08	167.92	28.14	178.17	31.48	193.98	30.89	207.63	31.19	215.90	31.50
	12	123.38	21.80	145.65	25.53	167.92	28.65	178.17	32.05	193.98	31.45	207.63	31.76	213.99	32.07
	14	123.38	22.19	145.65	25.99	167.92	29.16	178.17	32.63	193.98	32.01	205.78	32.33	212.08	32.65
	16	123.38	22.58	145.65	26.45	167.92	29.67	178.17	33.20	193.98	32.57	203.92	32.90	210.17	33.22
	18	123.38	22.96	145.65	26.90	167.92	30.18	178.17	33.77	193.98	33.13	202.07	33.46	208.26	33.79
	19	123.38	23.35	145.65	27.36	162.89	30.69	178.17	34.34	193.98	33.70	200.22	34.03	206.35	34.36
	21	123.38	23.74	145.65	27.81	167.92	31.21	178.17	34.92	193.98	34.26	198.36	34.60	204.43	34.94
	23	123.38	24.13	145.65	28.27	167.92	31.72	178.17	35.49	193.98	34.82	196.51	35.16	202.52	35.51
	25	123.38	24.91	145.65	29.18	167.92	32.74	178.17	36.63	192.16	35.94	194.65	36.30	200.61	36.65
	27	123.38	25.30	145.65	29.64	167.92	33.25	178.17	37.21	190.35	36.50	192.80	36.87	198.70	37.23
	29	123.38	31.14	145.65	36.48	167.92	40.92	178.17	45.79	188.54	44.93	190.95	45.37	196.79	45.82
	31	123.38	35.03	145.65	41.04	167.92	46.04	178.17	51.52	186.73	50.54	189.09	51.04	194.88	51.55
	33	123.38	36.98	145.65	43.32	167.92	48.60	178.17	54.38	183.10	53.35	187.24	53.88	192.97	54.41
	35	123.38	38.92	145.65	45.60	167.92	51.16	178.17	57.24	181.29	56.16	185.39	56.72	191.06	57.27
	37	123.38	40.62	145.65	47.58	167.92	53.39	174.61	59.74	177.66	58.33	179.82	58.62	183.42	58.91
	39	123.38	42.04	145.65	49.24	167.92	55.25	173.36	61.82	175.85	60.37	177.97	61.14	179.60	61.57
	41	123.38	43.75	145.65	51.25	167.92	57.50	172.82	64.34	174.04	62.90	176.12	63.52	177.69	64.03
	43	123.38	45.93	145.65	53.80	167.92	60.36	171.04	67.54	172.22	66.27	174.26	66.81	176.73	67.12
	46	123.38	47.93	145.65	56.15	167.92	63.00	167.62	70.49	168.78	68.83	169.03	69.06	169.66	69.04
	48	123.38	49.60	145.65	58.11	167.92	65.19	166.42	72.95	167.06	71.24	167.29	72.02	166.13	72.16
	50	123.38	51.62	145.65	60.47	167.92	67.85	165.91	75.92	165.33	74.22	165.55	74.83	164.36	75.04
120%	10	121.37	21.20	143.28	24.83	165.19	27.86	175.27	31.18	190.82	30.59	204.25	30.89	212.38	31.19
	12	121.37	21.59	143.28	25.29	165.19	28.37	175.27	31.74	190.82	31.14	204.25	31.45	210.50	31.76
	14	121.37	21.97	143.28	25.74	165.19	28.88	175.27	32.31	190.82	31.70	202.43	32.01	208.62	32.33
	16	121.37	22.36	143.28	26.19	165.19	29.38	175.27	32.88	190.82	32.26	200.60	32.58	206.74	32.90
	18	121.37	22.74	143.28	26.64	165.19	29.89	175.27	33.44	190.82	32.81	198.78	33.14	204.86	33.46
	19	121.37	23.13	143.28	27.09	165.19	30.40	175.27	34.01	190.82	33.37	196.96	33.70	202.98	34.03
	21	121.37	23.51	143.28	27.54	165.19	30.90	175.27	34.58	190.82	33.93	195.13	34.26	201.10	34.60
	23	121.37	23.90	143.28	27.99	165.19	31.41	175.27	35.14	190.82	34.48	193.31	34.82	199.23	35.16
	25	121.37	24.67	143.28	28.90	165.19	32.42	175.27	36.28	189.04	35.59	191.48	35.95	197.35	36.30
	27	121.37	25.05	143.28	29.35	165.19	32.93	175.27	36.85	187.25	36.15	189.66	36.51	195.47	36.87
	29	121.37	30.84	143.28	36.12	165.19	40.53	175.27	45.35	185.47	44.49	187.84	44.93	193.59	45.37
	31	121.37	34.69	143.28	40.64	165.19	45.59	175.27	51.02	183.69	50.05	186.01	50.55	191.71	51.04
	33	121.37	36.62	143.28	42.90	165.19	48.13	175.27	53.85	180.12	52.83	184.19	53.36	189.83	53.88
	35	121.37	38.55	143.28	45.15	165.19	50.66	175.27	56.69	178.34	55.62	182.37	56.17	187.95	56.72
	37	121.37	40.23	143.28	47.12	165.19	52.87	171.76	59.16	174.77	57.76	176.90	58.05	180.43	58.34
	39	121.37	41.63	143.28	48.77	165.19	54.71	170.54	61.22	172.98	59.79	175.07	60.55	176.67	60.97
	41	121.37	43.32	143.28	50.75	165.19	56.94	170.01	63.71	171.20	62.29	173.25	62.91	174.79	63.41
	43	121.37	45.48	143.28	53.28	165.19	59.78	168.26	66.89	169.42	65.63	171.42	66.16	173.85	66.47
	46	121.37	47.47	143.28	55.60	165.19	62.38	164.89	69.80	166.03	68.16	166.28	68.39	166.90	68.37
	48	121.37	49.12	143.28	57.54	165.19	64.56	163.71	72.24	164.34	70.55	164.57	71.32	163.42	71.46
	50	121.37	51.12	143.28	59.89	165.19	67.19	163.21	75.18	162.64	73.50	162.85	74.10	161.68	74.32
110%	10	119.36	20.70	140.91	24.24	162.46	27.20	172.37	30.43	187.66	29.86	200.87	30.16	208.87	30.45
	12	119.36	21.07	140.91	24.68	162.46	27.69	172.37	30.99	187.66	30.40	200.87	30.70	207.02	31.01
	14	119.36	21.45	140.91	25.12	162.46	28.19	172.37	31.54	187.66	30.95	199.08	31.25	205.17	31.56
	16	119.36	21.82	140.91	25.57	162.46	28.68	172.37	32.09	187.66	31.49	197.28	31.80	203.32	32.11
	18	119.36	22.20	140.91	26.01	162.46	29.18	172.37	32.65	187.66	32.03	195.49	32.35	201.47	32.67
	19	119.36	22.58	140.91	26.45	162.46	29.67	172.37	33.20	187.66	32.57	193.69	32.90	199.62	33.22
	21	119.36	22.95	140.91	26.89	162.46	30.17	172.37	33.75	187.66	33.12	191.90	33.45	197.78	33.77
	23	119.36	23.33	140.91	27.33	162.46	30.66	172.37	34.31	187.66	33.66	190.11	33.99	195.93	34.33
	25	119.36	24.08	140.91	28.21	162.46	31.65	172.37	35.41	185.91	34.75	188.31	35.09	194.08	35.43
	27	119.36	24.46	140.91	28.65	162.46	32.14	172.37	35.97	184.15	35.29	186.52	35.64	192.23	35.99
	29	119.36	30.10	140.91	35.26	162.46	39.56	172.37	44.27	182.40	43.43	184.73	43.86	190.38	44.29
	31	119.36	33.86	140.91	39.67	162.46	44.51	172.37	49.80	180.64	48.86	182.93	49.35	188.53	49.83
	33	119.36	35.75	140.91	41.87	162.46	46.98	172.37	52.57	177.14	51.58	181.14	52.09	186.69	52.60
	35	119.36	37.63	140.91	44.08	162.46	49.45	172.37	55.34	175.38	54.29	179.35	54.83	184.84	55.37
	37	119.36	39.27	140.91	46.00	162.46	51.61	168.92	57.75	171.87	56.39	173.97	56.67	177.44	56.95
	39	119.36	40.64	140.91	47.60	162.46	53.41	167.71	59.76	170.12	58.36	172.17	59.11	173.75	59.52
	41	119.36	42.29	140.91	49.54	162.46	55.59	167.20	62.20	168.37	60.81	170.38	61.41	171.90	61.90
	43	119.36	44.40	140.91	52.01	162.46	58.35	165.47	65.30	166.61	64.06	168.59	64.59	170.97	64.89
	46	119.36	46.34	140.91	54.28	162.46	60.90	162.16	68.14	163.28	66.54	163.53	66.76	164.14	66.74
	48	119.36	47.95	140.91	56.17	162.46	63.02	161.00	70.52	161.61	68.87	161.84	69.63	160.72	69.76
	50	119.36	49.91	140.91	58.46	162.46	65.59	160.51	73.39	159.95	71.75	160.16	72.34	159.01	72.55

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	112.53	19.60	132.84	22.96	153.16	25.76	162.50	28.00	176.92	28.27	189.37	28.55	196.91	28.83
	12	112.53	19.95	132.84	23.37	153.16	26.22	162.50	28.50	176.92	28.79	189.37	29.07	195.17	29.36
	14	112.53	20.31	132.84	23.79	153.16	26.69	162.50	29.01	176.92	29.30	187.68	29.59	193.43	29.88
	16	112.53	20.67	132.84	24.21	153.16	27.16	162.50	29.52	176.92	29.82	185.99	30.11	191.68	30.41
	18	112.53	21.02	132.84	24.63	153.16	27.63	162.50	30.03	176.92	30.33	184.30	30.63	189.94	30.93
	19	112.53	21.38	132.84	25.04	153.16	28.10	162.50	30.54	176.92	30.85	182.61	31.15	188.20	31.46
	21	112.53	21.73	132.84	25.46	153.16	28.57	162.50	31.05	176.92	31.36	180.92	31.67	186.45	31.98
	23	112.53	22.09	132.84	25.88	153.16	29.03	162.50	31.56	176.92	31.87	179.23	32.19	184.71	32.50
	25	112.53	22.80	132.84	26.71	153.16	29.97	162.50	32.58	175.26	32.90	177.54	33.23	182.97	33.55
	27	112.53	23.16	132.84	27.13	153.16	30.44	162.50	33.09	173.61	33.42	175.84	33.75	181.23	34.08
	29	112.53	28.50	132.84	33.39	153.16	37.46	162.50	40.72	171.96	41.13	174.15	41.53	179.48	41.94
	31	112.53	32.07	132.84	37.56	153.16	42.15	162.50	45.81	170.30	46.27	172.46	46.73	177.74	47.18
	33	112.53	33.85	132.84	39.65	153.16	44.49	162.50	48.36	167.00	48.84	170.77	49.32	176.00	49.81
	35	112.53	35.63	132.84	41.74	153.16	46.83	162.50	50.90	165.34	51.41	169.08	51.92	174.26	52.43
	37	112.53	37.18	132.84	43.56	153.16	48.87	159.25	53.12	162.04	53.39	164.01	53.66	167.29	53.93
	39	112.53	38.48	132.84	45.08	153.16	50.57	158.11	54.97	160.38	55.26	162.32	55.97	163.80	56.36
	41	112.53	40.05	132.84	46.91	153.16	52.63	157.63	57.21	158.73	57.58	160.63	58.15	162.06	58.61
	43	112.53	42.04	132.84	49.25	153.16	55.26	156.00	60.06	157.08	60.66	158.94	61.16	161.19	61.44
	46	112.53	43.88	132.84	51.40	153.16	57.67	152.88	62.68	153.94	63.00	154.17	63.21	154.74	63.20
	48	112.53	45.41	132.84	53.19	153.16	59.68	151.79	64.87	152.36	65.21	152.58	65.93	151.52	66.05
	50	112.53	47.26	132.84	55.36	153.16	62.11	151.32	67.51	150.79	67.94	150.99	68.50	149.90	68.69
90%	10	101.28	16.45	119.56	19.27	137.84	21.62	146.25	24.19	159.23	23.73	170.43	23.97	177.22	24.20
	12	101.28	16.75	119.56	19.62	137.84	22.01	146.25	24.63	159.23	24.17	170.43	24.40	175.65	24.64
	14	101.28	17.05	119.56	19.97	137.84	22.41	146.25	25.07	159.23	24.60	168.91	24.84	174.08	25.08
	16	101.28	17.35	119.56	20.32	137.84	22.80	146.25	25.51	159.23	25.03	167.39	25.28	172.51	25.52
	18	101.28	17.65	119.56	20.67	137.84	23.19	146.25	25.95	159.23	25.46	165.87	25.71	170.95	25.96
	19	101.28	17.94	119.56	21.02	137.84	23.58	146.25	26.39	159.23	25.89	164.35	26.15	169.38	26.40
	21	101.28	18.24	119.56	21.37	137.84	23.98	146.25	26.83	159.23	26.32	162.83	26.58	167.81	26.84
	23	101.28	18.54	119.56	21.72	137.84	24.37	146.25	27.27	159.23	26.75	161.30	27.02	166.24	27.28
	25	101.28	19.14	119.56	22.42	137.84	25.16	146.25	28.15	157.74	27.62	159.78	27.89	164.67	28.16
	27	101.28	19.44	119.56	22.77	137.84	25.55	146.25	28.59	156.25	28.05	158.26	28.33	163.10	28.60
	29	101.28	23.93	119.56	28.03	137.84	31.45	146.25	35.19	154.76	34.52	156.74	34.86	161.54	35.21
	31	101.28	26.92	119.56	31.53	137.84	35.38	146.25	39.58	153.27	38.84	155.22	39.22	159.97	39.61
	33	101.28	28.41	119.56	33.28	137.84	37.34	146.25	41.78	150.30	40.99	153.69	41.40	158.40	41.81
	35	101.28	29.91	119.56	35.03	137.84	39.31	146.25	43.98	148.81	43.15	152.17	43.58	156.83	44.01
	37	101.28	31.21	119.56	36.56	137.84	41.02	143.33	45.90	145.83	44.82	147.61	45.04	150.56	45.27
	39	101.28	32.30	119.56	37.84	137.84	42.45	142.30	47.50	144.35	46.39	146.09	46.98	147.42	47.31
	41	101.28	33.62	119.56	39.38	137.84	44.18	141.86	49.44	142.86	48.33	144.56	48.81	145.85	49.20
	43	101.28	35.29	119.56	41.34	137.84	46.38	140.40	51.90	141.37	50.92	143.04	51.34	145.07	51.58
	46	101.28	36.83	119.56	43.14	137.84	48.40	137.59	54.16	138.54	52.89	138.75	53.06	139.27	53.05
	48	101.28	38.11	119.56	44.65	137.84	50.09	136.61	56.05	137.13	54.74	137.32	55.34	136.36	55.44
	50	101.28	39.67	119.56	46.47	137.84	52.13	136.19	58.33	135.71	57.03	135.89	57.50	134.91	57.66
80%	10	90.03	13.48	106.28	15.79	122.53	17.72	130.00	19.82	141.53	19.45	151.50	19.64	157.53	19.83
	12	90.03	13.73	106.28	16.08	122.53	18.04	130.00	20.18	141.53	19.80	151.50	20.00	156.13	20.20
	14	90.03	13.97	106.28	16.37	122.53	18.36	130.00	20.54	141.53	20.16	150.14	20.36	154.74	20.56
	16	90.03	14.22	106.28	16.65	122.53	18.68	130.00	20.91	141.53	20.51	148.79	20.71	153.35	20.92
	18	90.03	14.46	106.28	16.94	122.53	19.01	130.00	21.27	141.53	20.86	147.44	21.07	151.95	21.28
	19	90.03	14.71	106.28	17.23	122.53	19.33	130.00	21.63	141.53	21.22	146.09	21.43	150.56	21.64
	21	90.03	14.95	106.28	17.51	122.53	19.65	130.00	21.99	141.53	21.57	144.73	21.79	149.16	22.00
	23	90.03	15.20	106.28	17.80	122.53	19.97	130.00	22.35	141.53	21.93	143.38	22.14	147.77	22.36
	25	90.03	15.69	106.28	18.37	122.53	20.62	130.00	23.07	140.21	22.63	142.03	22.86	146.38	23.08
	27	90.03	15.93	106.28	18.66	122.53	20.94	130.00	23.43	138.89	22.99	140.68	23.21	144.98	23.44
	29	90.03	19.61	106.28	22.97	122.53	25.77	130.00	28.83	137.57	28.29	139.32	28.57	143.59	28.85
	31	90.03	22.06	106.28	25.84	122.53	28.99	130.00	32.44	136.24	31.83	137.97	32.14	142.19	32.46
	33	90.03	23.28	106.28	27.28	122.53	30.60	130.00	34.24	133.60	33.60	136.62	33.93	140.80	34.26
	35	90.03	24.51	106.28	28.71	122.53	32.21	130.00	36.04	132.28	35.36	135.27	35.71	139.41	36.06
	37	90.03	25.58	106.28	29.96	122.53	33.62	127.40	37.61	129.63	36.73	131.21	36.91	133.83	37.09
	39	90.03	26.47	106.28	31.01	122.53	34.79	126.49	38.93	128.31	38.02	129.85	38.50	131.04	38.77
	41	90.03	27.55	106.28	32.27	122.53	36.21	126.10	40.51	126.98	39.61	128.50	40.00	129.65	40.32
	43	90.03	28.92	106.28	33.88	122.53	38.01	124.80	42.53	125.66	41.73	127.15	42.07	128.95	42.27
	46	90.03	30.18	106.28	35.36	122.53	39.67	122.30	44.39	123.15	43.34	123.33	43.48	123.79	43.48
	48	90.03	31.23	106.28	36.59	122.53	41.05	121.43	45.93	121.89	44.86	122.06	45.35	121.21	45.44
	50	90.03	32.51	106.28	38.08	122.53	42.72	121.06	47.81	120.63	46.74	120.79	47.12	119.92	47.25

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	78.77	10.72	92.99	12.56	107.21	14.09	113.75	15.76	123.84	15.47	132.56	15.62	137.84	15.77
	12	78.77	10.91	92.99	12.78	107.21	14.34	113.75	16.05	123.84	15.75	132.56	15.90	136.62	16.06
	14	78.77	11.11	92.99	13.01	107.21	14.60	113.75	16.34	123.84	16.03	131.38	16.19	135.40	16.35
	16	78.77	11.30	92.99	13.24	107.21	14.86	113.75	16.62	123.84	16.31	130.19	16.47	134.18	16.63
	18	78.77	11.50	92.99	13.47	107.21	15.11	113.75	16.91	123.84	16.59	129.01	16.75	132.96	16.92
	19	78.77	11.69	92.99	13.70	107.21	15.37	113.75	17.20	123.84	16.87	127.83	17.04	131.74	17.21
	21	78.77	11.89	92.99	13.93	107.21	15.62	113.75	17.48	123.84	17.15	126.64	17.32	130.52	17.49
	23	78.77	12.08	92.99	14.15	107.21	15.88	113.75	17.77	123.84	17.43	125.46	17.61	129.30	17.78
	25	78.77	12.47	92.99	14.61	107.21	16.39	113.75	18.34	122.69	18.00	124.27	18.17	128.08	18.35
	27	78.77	12.67	92.99	14.84	107.21	16.65	113.75	18.63	121.53	18.28	123.09	18.46	126.86	18.64
	29	78.77	15.59	92.99	18.26	107.21	20.49	113.75	22.93	120.37	22.50	121.91	22.72	125.64	22.94
	31	78.77	17.54	92.99	20.55	107.21	23.05	113.75	25.79	119.21	25.31	120.72	25.56	124.42	25.81
	33	78.77	18.51	92.99	21.69	107.21	24.33	113.75	27.23	116.90	26.71	119.54	26.98	123.20	27.24
	35	78.77	19.49	92.99	22.83	107.21	25.61	113.75	28.66	115.74	28.12	118.36	28.40	121.98	28.68
	37	78.77	20.34	92.99	23.82	107.21	26.73	111.48	29.91	113.43	29.20	114.81	29.35	117.10	29.50
	39	78.77	21.05	92.99	24.66	107.21	27.66	110.68	30.95	112.27	30.23	113.62	30.61	114.66	30.83
	41	78.77	21.91	92.99	25.66	107.21	28.79	110.34	32.21	111.11	31.49	112.44	31.81	113.44	32.06
	43	78.77	23.00	92.99	26.94	107.21	30.22	109.20	33.82	109.95	33.18	111.26	33.45	112.83	33.61
	46	78.77	24.00	92.99	28.11	107.21	31.54	107.02	35.29	107.75	34.46	107.92	34.58	108.32	34.57
	48	78.77	24.84	92.99	29.09	107.21	32.64	106.25	36.52	106.65	35.67	106.81	36.06	106.06	36.13
	50	78.77	25.85	92.99	30.28	107.21	33.97	105.92	38.01	105.56	37.16	105.69	37.47	104.93	37.57
60%	10	67.52	8.14	79.71	9.53	91.89	10.69	97.50	11.96	106.15	11.74	113.62	11.85	118.15	11.97
	12	67.52	8.28	79.71	9.70	91.89	10.89	97.50	12.18	106.15	11.95	113.62	12.07	117.10	12.19
	14	67.52	8.43	79.71	9.88	91.89	11.08	97.50	12.40	106.15	12.17	112.61	12.29	116.06	12.41
	16	67.52	8.58	79.71	10.05	91.89	11.28	97.50	12.62	106.15	12.38	111.59	12.50	115.01	12.62
	18	67.52	8.73	79.71	10.22	91.89	11.47	97.50	12.83	106.15	12.59	110.58	12.72	113.96	12.84
	19	67.52	8.88	79.71	10.40	91.89	11.66	97.50	13.05	106.15	12.81	109.56	12.93	112.92	13.06
	21	67.52	9.02	79.71	10.57	91.89	11.86	97.50	13.27	106.15	13.02	108.55	13.15	111.87	13.28
	23	67.52	9.17	79.71	10.74	91.89	12.05	97.50	13.49	106.15	13.23	107.54	13.36	110.83	13.49
	25	67.52	9.47	79.71	11.09	91.89	12.44	97.50	13.92	105.16	13.66	106.52	13.79	109.78	13.93
	27	67.52	9.61	79.71	11.26	91.89	12.64	97.50	14.14	104.17	13.87	105.51	14.01	108.74	14.15
	29	67.52	11.83	79.71	13.86	91.89	15.55	97.50	17.40	103.17	17.07	104.49	17.24	107.69	17.41
	31	67.52	13.31	79.71	15.59	91.89	17.50	97.50	19.58	102.18	19.21	103.48	19.40	106.65	19.59
	33	67.52	14.05	79.71	16.46	91.89	18.47	97.50	20.67	100.20	20.28	102.46	20.48	105.60	20.68
	35	67.52	14.79	79.71	17.33	91.89	19.44	97.50	21.75	99.21	21.34	101.45	21.55	104.55	21.77
	37	67.52	15.44	79.71	18.08	91.89	20.29	95.55	22.70	97.22	22.17	98.41	22.28	100.37	22.39
	39	67.52	15.98	79.71	18.71	91.89	21.00	94.87	23.49	96.23	22.94	97.39	23.24	98.28	23.40
	41	67.52	16.63	79.71	19.48	91.89	21.85	94.58	24.45	95.24	23.90	96.38	24.14	97.24	24.33
	43	67.52	17.45	79.71	20.45	91.89	22.94	93.60	25.67	94.25	25.18	95.36	25.39	96.71	25.51
	46	67.52	18.22	79.71	21.34	91.89	23.94	91.73	26.79	92.36	26.16	92.50	26.24	92.84	26.24
	48	67.52	18.85	79.71	22.08	91.89	24.78	91.07	27.72	91.42	27.07	91.55	27.37	90.91	27.42
	50	67.52	19.62	79.71	22.98	91.89	25.78	90.79	28.85	90.48	28.21	90.59	28.44	89.94	28.52
50%	10	56.27	5.73	66.42	6.71	76.58	7.53	81.25	8.43	88.46	8.27	94.69	8.35	98.46	8.43
	12	56.27	5.83	66.42	6.83	76.58	7.67	81.25	8.58	88.46	8.42	94.69	8.50	97.58	8.59
	14	56.27	5.94	66.42	6.96	76.58	7.81	81.25	8.73	88.46	8.57	93.84	8.65	96.71	8.74
	16	56.27	6.04	66.42	7.08	76.58	7.94	81.25	8.89	88.46	8.72	92.99	8.81	95.84	8.89
	18	56.27	6.15	66.42	7.20	76.58	8.08	81.25	9.04	88.46	8.87	92.15	8.96	94.97	9.05
	19	56.27	6.25	66.42	7.32	76.58	8.22	81.25	9.19	88.46	9.02	91.30	9.11	94.10	9.20
	21	56.27	6.36	66.42	7.45	76.58	8.35	81.25	9.35	88.46	9.17	90.46	9.26	93.23	9.35
	23	56.27	6.46	66.42	7.57	76.58	8.49	81.25	9.50	88.46	9.32	89.61	9.41	92.36	9.51
	25	56.27	6.67	66.42	7.81	76.58	8.76	81.25	9.81	87.63	9.62	88.77	9.72	91.48	9.81
	27	56.27	6.77	66.42	7.93	76.58	8.90	81.25	9.96	86.81	9.77	87.92	9.87	90.61	9.97
	29	56.27	8.34	66.42	9.76	76.58	10.95	81.25	12.26	85.98	12.03	87.08	12.15	89.74	12.26
	31	56.27	9.38	66.42	10.98	76.58	12.32	81.25	13.79	85.15	13.53	86.23	13.66	88.87	13.80
	33	56.27	9.90	66.42	11.59	76.58	13.01	81.25	14.56	83.50	14.28	85.39	14.42	88.00	14.56
	35	56.27	10.42	66.42	12.21	76.58	13.69	81.25	15.32	82.67	15.03	84.54	15.18	87.13	15.33
	37	56.27	10.87	66.42	12.74	76.58	14.29	79.63	15.99	81.02	15.61	82.00	15.69	83.64	15.77
	39	56.27	11.25	66.42	13.18	76.58	14.79	79.06	16.55	80.19	16.16	81.16	16.37	81.90	16.48
	41	56.27	11.71	66.42	13.72	76.58	15.39	78.81	17.22	79.37	16.84	80.31	17.00	81.03	17.14
	43	56.27	12.29	66.42	14.40	76.58	16.16	78.00	18.08	78.54	17.74	79.47	17.88	80.59	17.97
	46	56.27	12.83	66.42	15.03	76.58	16.86	76.44	18.87	76.97	18.42	77.08	18.49	77.37	18.48
	48	56.27	13.28	66.42	15.55	76.58	17.45	75.89	19.53	76.18	19.07	76.29	19.28	75.76	19.32
	50	56.27	13.82	66.42	16.19	76.58	18.16	75.66	20.32	75.40	19.87	75.49	20.03	74.95	20.09

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	45.01	4.54	53.14	5.32	61.26	5.97	65.00	6.68	70.77	6.55	75.75	6.62	78.76	6.68
	12	45.01	4.63	53.14	5.42	61.26	6.08	65.00	6.80	70.77	6.67	75.75	6.74	78.07	6.81
	14	45.01	4.71	53.14	5.52	61.26	6.19	65.00	6.92	70.77	6.79	75.07	6.86	77.37	6.93
	16	45.01	4.79	53.14	5.61	61.26	6.30	65.00	7.05	70.77	6.91	74.40	6.98	76.67	7.05
	18	45.01	4.87	53.14	5.71	61.26	6.40	65.00	7.17	70.77	7.03	73.72	7.10	75.98	7.17
	19	45.01	4.96	53.14	5.81	61.26	6.51	65.00	7.29	70.77	7.15	73.04	7.22	75.28	7.29
	21	45.01	5.04	53.14	5.90	61.26	6.62	65.00	7.41	70.77	7.27	72.37	7.34	74.58	7.41
	23	45.01	5.12	53.14	6.00	61.26	6.73	65.00	7.53	70.77	7.39	71.69	7.46	73.88	7.54
	25	45.01	5.29	53.14	6.19	61.26	6.95	65.00	7.77	70.11	7.63	71.01	7.70	73.19	7.78
	27	45.01	5.37	53.14	6.29	61.26	7.06	65.00	7.90	69.44	7.75	70.34	7.82	72.49	7.90
	29	45.01	6.61	53.14	7.74	61.26	8.68	65.00	9.72	68.78	9.53	69.66	9.63	71.79	9.72
	31	45.01	7.43	53.14	8.71	61.26	9.77	65.00	10.93	68.12	10.73	68.99	10.83	71.10	10.94
	33	45.01	7.85	53.14	9.19	61.26	10.31	65.00	11.54	66.80	11.32	68.31	11.43	70.40	11.55
	35	45.01	8.26	53.14	9.68	61.26	10.86	65.00	12.15	66.14	11.92	67.63	12.04	69.70	12.15
	37	45.01	8.62	53.14	10.10	61.26	11.33	63.70	12.68	64.81	12.38	65.60	12.44	66.91	12.50
	39	45.01	8.92	53.14	10.45	61.26	11.72	63.25	13.12	64.15	12.81	64.93	12.97	65.52	13.07
	41	45.01	9.28	53.14	10.88	61.26	12.20	63.05	13.65	63.49	13.35	64.25	13.48	64.82	13.59
	43	45.01	9.75	53.14	11.42	61.26	12.81	62.40	14.33	62.83	14.06	63.57	14.18	64.48	14.24
	46	45.01	10.17	53.14	11.92	61.26	13.37	61.15	14.96	61.57	14.61	61.67	14.65	61.90	14.65
	48	45.01	10.53	53.14	12.33	61.26	13.83	60.72	15.48	60.95	15.12	61.03	15.28	60.61	15.31
	50	45.01	10.95	53.14	12.83	61.26	14.40	60.53	16.11	60.32	15.75	60.40	15.88	59.96	15.92
30%	10	33.76	4.16	39.85	4.87	45.95	5.46	48.75	6.11	53.08	6.00	56.81	6.06	59.07	6.12
	12	33.76	4.23	39.85	4.96	45.95	5.56	48.75	6.22	53.08	6.11	56.81	6.17	58.55	6.23
	14	33.76	4.31	39.85	5.05	45.95	5.66	48.75	6.34	53.08	6.22	56.30	6.28	58.03	6.34
	16	33.76	4.38	39.85	5.14	45.95	5.76	48.75	6.45	53.08	6.32	55.80	6.39	57.50	6.45
	18	33.76	4.46	39.85	5.22	45.95	5.86	48.75	6.56	53.08	6.43	55.29	6.50	56.98	6.56
	19	33.76	4.53	39.85	5.31	45.95	5.96	48.75	6.67	53.08	6.54	54.78	6.61	56.46	6.67
	21	33.76	4.61	39.85	5.40	45.95	6.06	48.75	6.78	53.08	6.65	54.28	6.72	55.94	6.78
	23	33.76	4.69	39.85	5.49	45.95	6.16	48.75	6.89	53.08	6.76	53.77	6.83	55.41	6.89
	25	33.76	4.84	39.85	5.67	45.95	6.36	48.75	7.11	52.58	6.98	53.26	7.05	54.89	7.12
	27	33.76	4.91	39.85	5.75	45.95	6.46	48.75	7.22	52.08	7.09	52.75	7.16	54.37	7.23
	29	33.76	6.05	39.85	7.08	45.95	7.95	48.75	8.89	51.59	8.72	52.25	8.81	53.85	8.90
	31	33.76	6.80	39.85	7.97	45.95	8.94	48.75	10.00	51.09	9.81	51.74	9.91	53.32	10.01
	33	33.76	7.18	39.85	8.41	45.95	9.44	48.75	10.56	50.10	10.36	51.23	10.46	52.80	10.56
	35	33.76	7.56	39.85	8.85	45.95	9.93	48.75	11.11	49.60	10.90	50.72	11.01	52.28	11.12
	37	33.76	7.89	39.85	9.24	45.95	10.37	47.78	11.60	48.61	11.33	49.20	11.38	50.19	11.44
	39	33.76	8.16	39.85	9.56	45.95	10.73	47.43	12.00	48.12	11.72	48.70	11.87	49.14	11.95
	41	33.76	8.50	39.85	9.95	45.95	11.16	47.29	12.49	47.62	12.21	48.19	12.33	48.62	12.43
	43	33.76	8.92	39.85	10.45	45.95	11.72	46.80	13.12	47.12	12.87	47.68	12.97	48.36	13.03
	46	33.76	9.31	39.85	10.90	45.95	12.23	45.86	13.69	46.18	13.36	46.25	13.41	46.42	13.41
	48	33.76	9.63	39.85	11.28	45.95	12.66	45.54	14.16	45.71	13.83	45.77	13.99	45.45	14.01
	50	33.76	10.02	39.85	11.74	45.95	13.17	45.40	14.74	45.24	14.41	45.30	14.53	44.97	14.57
20%	10	22.51	2.41	26.57	2.82	30.63	3.16	32.50	3.54	35.38	3.47	37.87	3.50	39.38	3.54
	12	22.51	2.45	26.57	2.87	30.63	3.22	32.50	3.60	35.38	3.53	37.87	3.57	39.03	3.60
	14	22.51	2.49	26.57	2.92	30.63	3.28	32.50	3.67	35.38	3.60	37.54	3.63	38.69	3.67
	16	22.51	2.54	26.57	2.97	30.63	3.33	32.50	3.73	35.38	3.66	37.20	3.70	38.34	3.73
	18	22.51	2.58	26.57	3.02	30.63	3.39	32.50	3.79	35.38	3.72	36.86	3.76	37.99	3.80
	19	22.51	2.62	26.57	3.07	30.63	3.45	32.50	3.86	35.38	3.79	36.52	3.82	37.64	3.86
	21	22.51	2.67	26.57	3.12	30.63	3.51	32.50	3.92	35.38	3.85	36.18	3.89	37.29	3.92
	23	22.51	2.71	26.57	3.18	30.63	3.56	32.50	3.99	35.38	3.91	35.85	3.95	36.94	3.99
	25	22.51	2.80	26.57	3.28	30.63	3.68	32.50	4.12	35.05	4.04	35.51	4.08	36.59	4.12
	27	22.51	2.84	26.57	3.33	30.63	3.74	32.50	4.18	34.72	4.10	35.17	4.14	36.25	4.18
	29	22.51	3.50	26.57	4.10	30.63	4.60	32.50	5.14	34.39	5.05	34.83	5.10	35.90	5.15
	31	22.51	3.94	26.57	4.61	30.63	5.17	32.50	5.79	34.06	5.68	34.49	5.73	35.55	5.79
	33	22.51	4.15	26.57	4.87	30.63	5.46	32.50	6.11	33.40	5.99	34.15	6.05	35.20	6.11
	35	22.51	4.37	26.57	5.12	30.63	5.75	32.50	6.43	33.07	6.31	33.82	6.37	34.85	6.43
	37	22.51	4.56	26.57	5.35	30.63	6.00	31.85	6.71	32.41	6.55	32.80	6.59	33.46	6.62
	39	22.51	4.72	26.57	5.53	30.63	6.21	31.62	6.95	32.08	6.78	32.46	6.87	32.76	6.92
	41	22.51	4.91	26.57	5.76	30.63	6.46	31.53	7.23	31.75	7.07	32.13	7.14	32.41	7.19
	43	22.51	5.16	26.57	6.04	30.63	6.78	31.20	7.59	31.42	7.44	31.79	7.51	32.24	7.54
	46	22.51	5.38	26.57	6.31	30.63	7.08	30.58	7.92	30.79	7.73	30.83	7.76	30.95	7.76
	48	22.51	5.57	26.57	6.53	30.63	7.32	30.36	8.20	30.47	8.00	30.52	8.09	30.30	8.11
	50	22.51	5.80	26.57	6.79	30.63	7.62	30.26	8.53	30.16	8.34	30.20	8.41	29.98	8.43

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR600ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	127.56	21.87	150.58	25.62	173.61	28.74	184.20	32.61	200.54	31.56	214.66	31.87	223.21	32.18
	12	127.56	22.27	150.58	26.09	173.61	29.27	184.20	33.21	200.54	32.13	214.66	32.45	221.23	32.77
	14	127.56	22.67	150.58	26.55	173.61	29.79	184.20	33.80	200.54	32.70	212.74	33.03	219.25	33.35
	16	127.56	23.06	150.58	27.02	173.61	30.31	184.20	34.39	200.54	33.28	210.83	33.61	217.28	33.94
	18	127.56	23.46	150.58	27.48	173.61	30.83	184.20	34.99	200.54	33.85	208.91	34.19	215.30	34.52
	19	127.56	23.86	150.58	27.95	168.40	31.36	184.20	35.58	200.54	34.42	206.99	34.77	213.33	35.11
	21	127.56	24.26	150.58	28.41	173.61	31.88	184.20	36.17	200.54	35.00	205.08	35.34	211.35	35.69
	23	127.56	24.65	150.58	28.88	173.61	32.40	184.20	36.76	200.54	35.57	203.16	35.92	209.38	36.28
	25	127.56	25.45	150.58	29.81	173.61	33.45	184.20	37.95	198.67	36.72	201.24	37.08	207.40	37.45
	27	127.56	25.85	150.58	30.28	173.61	33.97	184.20	38.54	196.79	37.29	199.33	37.66	205.43	38.03
	29	127.56	31.81	150.58	37.26	173.61	41.81	184.20	47.44	194.92	45.90	197.41	46.35	203.45	46.81
	31	127.56	35.79	150.58	41.92	173.61	47.04	184.20	53.37	193.05	51.64	195.49	52.15	201.48	52.66
	33	127.56	37.78	150.58	44.25	173.61	49.65	184.20	56.33	189.30	54.51	193.58	55.05	199.50	55.58
	35	127.56	39.76	150.58	46.58	173.61	52.26	184.20	59.30	187.42	57.37	191.66	57.94	197.53	58.51
	37	127.56	41.50	150.58	48.61	173.61	54.54	180.52	61.88	183.68	59.59	185.91	59.89	189.63	60.18
	39	127.56	42.95	150.58	50.31	173.61	56.44	179.23	64.04	181.80	61.68	183.99	62.46	185.68	62.90
	41	127.56	44.70	150.58	52.36	173.61	58.74	178.67	66.65	179.93	64.26	182.08	64.90	183.70	65.41
	43	127.56	46.92	150.58	54.97	173.61	61.67	176.83	69.97	178.05	67.70	180.16	68.26	182.71	68.57
	46	127.56	48.97	150.58	57.36	173.61	64.36	173.30	73.02	174.49	70.31	174.76	70.55	175.40	70.54
	48	127.56	50.68	150.58	59.36	173.61	66.60	172.06	75.57	172.71	72.78	172.95	73.58	171.75	73.72
	50	127.56	52.74	150.58	61.78	173.61	69.32	171.53	78.65	170.93	75.83	171.15	76.45	169.92	76.67
120%	10	125.48	21.66	148.13	25.37	170.78	28.46	181.20	32.30	197.28	31.25	211.16	31.56	219.57	31.87
	12	125.48	22.05	148.13	25.83	170.78	28.98	181.20	32.88	197.28	31.82	211.16	32.13	217.63	32.45
	14	125.48	22.45	148.13	26.29	170.78	29.50	181.20	33.47	197.28	32.39	209.28	32.71	215.68	33.03
	16	125.48	22.84	148.13	26.75	170.78	30.02	181.20	34.06	197.28	32.95	207.39	33.28	213.74	33.61
	18	125.48	23.23	148.13	27.22	170.78	30.53	181.20	34.65	197.28	33.52	205.51	33.85	211.80	34.19
	19	125.48	23.63	148.13	27.68	170.78	31.05	181.20	35.23	197.28	34.09	203.62	34.43	209.85	34.77
	21	125.48	24.02	148.13	28.14	170.78	31.57	181.20	35.82	197.28	34.66	201.74	35.00	207.91	35.34
	23	125.48	24.41	148.13	28.60	170.78	32.09	181.20	36.41	197.28	35.23	199.85	35.58	205.97	35.92
	25	125.48	25.20	148.13	29.52	170.78	33.12	181.20	37.58	195.43	36.36	197.97	36.72	204.03	37.08
	27	125.48	25.60	148.13	29.98	170.78	33.64	181.20	38.17	193.59	36.93	196.08	37.30	202.08	37.66
	29	125.48	31.50	148.13	36.90	170.78	41.40	181.20	46.98	191.75	45.45	194.19	45.90	200.14	46.35
	31	125.48	35.44	148.13	41.52	170.78	46.58	181.20	52.85	189.90	51.14	192.31	51.64	198.20	52.15
	33	125.48	37.41	148.13	43.82	170.78	49.17	181.20	55.79	186.21	53.98	190.42	54.51	196.25	55.05
	35	125.48	39.38	148.13	46.13	170.78	51.75	181.20	58.72	184.37	56.82	188.54	57.38	194.31	57.94
	37	125.48	41.10	148.13	48.14	170.78	54.01	177.58	61.28	180.68	59.01	182.88	59.31	186.54	59.60
	39	125.48	42.53	148.13	49.82	170.78	55.89	176.31	63.42	178.84	61.08	181.00	61.86	182.65	62.29
	41	125.48	44.26	148.13	51.85	170.78	58.17	175.76	66.00	177.00	63.64	179.11	64.27	180.71	64.78
	43	125.48	46.47	148.13	54.43	170.78	61.07	173.95	69.29	175.15	67.04	177.23	67.59	179.74	67.91
	46	125.48	48.49	148.13	56.81	170.78	63.73	170.47	72.31	171.65	69.63	171.91	69.86	172.55	69.85
	48	125.48	50.18	148.13	58.79	170.78	65.96	169.26	74.83	169.90	72.07	170.14	72.87	168.95	73.00
	50	125.48	52.23	148.13	61.18	170.78	68.64	168.73	77.88	168.15	75.09	168.36	75.70	167.16	75.92
110%	10	123.40	21.14	145.68	24.77	167.95	27.79	178.20	31.53	194.01	30.51	207.67	30.81	215.93	31.11
	12	123.40	21.53	145.68	25.22	167.95	28.29	178.20	32.10	194.01	31.06	207.67	31.37	214.02	31.68
	14	123.40	21.91	145.68	25.67	167.95	28.80	178.20	32.67	194.01	31.61	205.81	31.93	212.11	32.24
	16	123.40	22.30	145.68	26.12	167.95	29.30	178.20	33.25	194.01	32.17	203.96	32.49	210.20	32.81
	18	123.40	22.68	145.68	26.57	167.95	29.81	178.20	33.82	194.01	32.72	202.10	33.05	208.29	33.37
	19	123.40	23.06	145.68	27.02	167.95	30.31	178.20	34.39	194.01	33.28	200.25	33.61	206.38	33.94
	21	123.40	23.45	145.68	27.47	167.95	30.82	178.20	34.97	194.01	33.83	198.40	34.17	204.47	34.50
	23	123.40	23.83	145.68	27.92	167.95	31.32	178.20	35.54	194.01	34.39	196.54	34.73	202.56	35.07
	25	123.40	24.60	145.68	28.82	167.95	32.33	178.20	36.69	192.20	35.50	194.69	35.85	200.65	36.20
	27	123.40	24.99	145.68	29.27	167.95	32.84	178.20	37.26	190.38	36.05	192.83	36.41	198.74	36.77
	29	123.40	30.75	145.68	36.02	167.95	40.42	178.20	45.86	188.57	44.37	190.98	44.81	196.83	45.25
	31	123.40	34.60	145.68	40.53	167.95	45.47	178.20	51.59	186.76	49.92	189.13	50.41	194.91	50.91
	33	123.40	36.52	145.68	42.78	167.95	48.00	178.20	54.46	183.13	52.69	187.27	53.21	193.00	53.73
	35	123.40	38.44	145.68	45.03	167.95	50.52	178.20	57.32	181.32	55.46	185.42	56.01	191.09	56.56
	37	123.40	40.12	145.68	46.99	167.95	52.72	174.64	59.82	177.69	57.61	179.85	57.90	183.45	58.18
	39	123.40	41.52	145.68	48.63	167.95	54.56	173.39	61.91	175.88	59.62	178.00	60.38	179.63	60.80
	41	123.40	43.21	145.68	50.61	167.95	56.79	172.85	64.43	174.07	62.12	176.15	62.74	177.72	63.24
	43	123.40	45.36	145.68	53.14	167.95	59.62	171.07	67.64	172.25	65.45	174.29	65.98	176.76	66.29
	46	123.40	47.34	145.68	55.45	167.95	62.22	167.65	70.59	168.81	67.97	169.06	68.20	169.69	68.19
	48	123.40	48.99	145.68	57.39	167.95	64.39	166.45	73.05	167.08	70.36	167.32	71.13	166.16	71.26
	50	123.40	50.98	145.68	59.72	167.95	67.01	165.94	76.03	165.36	73.30	165.58	73.90	164.39	74.11

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	116.34	20.02	137.34	23.45	158.34	26.31	168.00	28.60	182.91	28.89	195.78	29.17	203.57	29.46
	12	116.34	20.38	137.34	23.88	158.34	26.79	168.00	29.12	182.91	29.41	195.78	29.70	201.77	29.99
	14	116.34	20.75	137.34	24.30	158.34	27.27	168.00	29.64	182.91	29.94	194.03	30.23	199.97	30.53
	16	116.34	21.11	137.34	24.73	158.34	27.75	168.00	30.16	182.91	30.46	192.28	30.76	198.17	31.06
	18	116.34	21.48	137.34	25.16	158.34	28.23	168.00	30.68	182.91	30.99	190.54	31.29	196.37	31.60
	19	116.34	21.84	137.34	25.58	158.34	28.70	168.00	31.20	182.91	31.51	188.79	31.82	194.57	32.14
	21	116.34	22.20	137.34	26.01	158.34	29.18	168.00	31.72	182.91	32.04	187.04	32.35	192.77	32.67
	23	116.34	22.57	137.34	26.44	158.34	29.66	168.00	32.24	182.91	32.56	185.29	32.88	190.96	33.21
	25	116.34	23.30	137.34	27.29	158.34	30.62	168.00	33.28	181.20	33.61	183.54	33.95	189.16	34.28
	27	116.34	23.66	137.34	27.72	158.34	31.10	168.00	33.80	179.49	34.14	181.80	34.48	187.36	34.81
	29	116.34	29.12	137.34	34.11	158.34	38.27	168.00	41.60	177.78	42.02	180.05	42.43	185.56	42.85
	31	116.34	32.76	137.34	38.38	158.34	43.06	168.00	46.80	176.07	47.27	178.30	47.74	183.76	48.20
	33	116.34	34.58	137.34	40.51	158.34	45.45	168.00	49.40	172.65	49.89	176.55	50.39	181.96	50.88
	35	116.34	36.40	137.34	42.64	158.34	47.84	168.00	52.00	170.94	52.52	174.80	53.04	180.15	53.56
	37	116.34	37.99	137.34	44.50	158.34	49.93	164.64	54.27	167.52	54.55	169.56	54.82	172.95	55.09
	39	116.34	39.31	137.34	46.05	158.34	51.67	163.46	56.16	165.81	56.46	167.81	57.18	169.35	57.58
	41	116.34	40.91	137.34	47.93	158.34	53.77	162.96	58.45	164.10	58.82	166.06	59.40	167.54	59.88
	43	116.34	42.95	137.34	50.32	158.34	56.45	161.28	61.36	162.39	61.97	164.32	62.48	166.64	62.77
	46	116.34	44.82	137.34	52.51	158.34	58.91	158.05	64.04	159.15	64.37	159.39	64.58	159.98	64.57
	48	116.34	46.39	137.34	54.34	158.34	60.97	156.93	66.27	157.52	66.62	157.74	67.35	156.64	67.48
	50	116.34	48.28	137.34	56.55	158.34	63.45	156.44	68.97	155.90	69.41	156.10	69.98	154.98	70.18
90%	10	104.71	16.80	123.61	19.69	142.51	22.09	151.20	25.06	164.62	24.25	176.20	24.49	183.22	24.73
	12	104.71	17.11	123.61	20.04	142.51	22.49	151.20	25.51	164.62	24.69	176.20	24.93	181.60	25.18
	14	104.71	17.42	123.61	20.40	142.51	22.89	151.20	25.97	164.62	25.13	174.63	25.38	179.97	25.63
	16	104.71	17.72	123.61	20.76	142.51	23.29	151.20	26.43	164.62	25.57	173.06	25.82	178.35	26.08
	18	104.71	18.03	123.61	21.12	142.51	23.69	151.20	26.88	164.62	26.01	171.48	26.27	176.73	26.53
	19	104.71	18.33	123.61	21.48	142.51	24.09	151.20	27.34	164.62	26.45	169.91	26.71	175.11	26.97
	21	104.71	18.64	123.61	21.83	142.51	24.50	151.20	27.79	164.62	26.89	168.34	27.16	173.49	27.42
	23	104.71	18.94	123.61	22.19	142.51	24.90	151.20	28.25	164.62	27.33	166.76	27.60	171.87	27.87
	25	104.71	19.55	123.61	22.91	142.51	25.70	151.20	29.16	163.08	28.21	165.19	28.49	170.25	28.77
	27	104.71	19.86	123.61	23.26	142.51	26.10	151.20	29.62	161.54	28.66	163.62	28.94	168.62	29.22
	29	104.71	24.44	123.61	28.63	142.51	32.13	151.20	36.45	160.00	35.27	162.04	35.62	167.00	35.97
	31	104.71	27.50	123.61	32.21	142.51	36.14	151.20	41.01	158.46	39.68	160.47	40.07	165.38	40.46
	33	104.71	29.03	123.61	34.00	142.51	38.15	151.20	43.28	155.38	41.88	158.90	42.30	163.76	42.71
	35	104.71	30.55	123.61	35.79	142.51	40.16	151.20	45.56	153.85	44.08	157.32	44.52	162.14	44.96
	37	104.71	31.89	123.61	37.35	142.51	41.91	148.18	47.55	150.77	45.79	152.60	46.02	155.65	46.24
	39	104.71	33.00	123.61	38.66	142.51	43.37	147.12	49.21	149.23	47.39	151.03	47.99	152.41	48.33
	41	104.71	34.34	123.61	40.23	142.51	45.14	146.66	51.21	147.69	49.38	149.46	49.86	150.79	50.26
	43	104.71	36.05	123.61	42.23	142.51	47.38	145.15	53.76	146.15	52.02	147.88	52.45	149.98	52.69
	46	104.71	37.63	123.61	44.08	142.51	49.45	142.25	56.11	143.23	54.03	143.45	54.21	143.98	54.20
	48	104.71	38.94	123.61	45.61	142.51	51.18	141.23	58.06	141.77	55.92	141.97	56.54	140.98	56.64
	50	104.71	40.52	123.61	47.47	142.51	53.26	140.80	60.43	140.31	58.26	140.49	58.74	139.48	58.91
80%	10	93.07	13.77	109.87	16.13	126.67	18.10	134.40	20.54	146.32	19.87	156.62	20.07	162.86	20.26
	12	93.07	14.02	109.87	16.43	126.67	18.43	134.40	20.91	146.32	20.23	156.62	20.43	161.42	20.63
	14	93.07	14.27	109.87	16.72	126.67	18.76	134.40	21.28	146.32	20.59	155.23	20.80	159.98	21.00
	16	93.07	14.52	109.87	17.01	126.67	19.09	134.40	21.66	146.32	20.95	153.83	21.16	158.54	21.37
	18	93.07	14.77	109.87	17.31	126.67	19.42	134.40	22.03	146.32	21.32	152.43	21.53	157.09	21.74
	19	93.07	15.02	109.87	17.60	126.67	19.74	134.40	22.40	146.32	21.68	151.03	21.89	155.65	22.11
	21	93.07	15.27	109.87	17.89	126.67	20.07	134.40	22.78	146.32	22.04	149.63	22.26	154.21	22.47
	23	93.07	15.52	109.87	18.19	126.67	20.40	134.40	23.15	146.32	22.40	148.23	22.62	152.77	22.84
	25	93.07	16.02	109.87	18.77	126.67	21.06	134.40	23.90	144.96	23.12	146.84	23.35	151.33	23.58
	27	93.07	16.28	109.87	19.07	126.67	21.39	134.40	24.27	143.59	23.48	145.44	23.72	149.89	23.95
	29	93.07	20.03	109.87	23.46	126.67	26.33	134.40	29.87	142.22	28.90	144.04	29.19	148.45	29.47
	31	93.07	22.53	109.87	26.40	126.67	29.62	134.40	33.60	140.85	32.51	142.64	32.84	147.01	33.16
	33	93.07	23.79	109.87	27.86	126.67	31.26	134.40	35.47	138.12	34.32	141.24	34.66	145.57	35.00
	35	93.07	25.04	109.87	29.33	126.67	32.91	134.40	37.34	136.75	36.13	139.84	36.49	144.12	36.84
	37	93.07	26.13	109.87	30.61	126.67	34.34	131.71	38.97	134.02	37.52	135.65	37.71	138.36	37.90
	39	93.07	27.04	109.87	31.68	126.67	35.54	130.77	40.33	132.65	38.84	134.25	39.33	135.48	39.61
	41	93.07	28.14	109.87	32.97	126.67	36.99	130.37	41.97	131.28	40.46	132.85	40.86	134.04	41.19
	43	93.07	29.55	109.87	34.61	126.67	38.83	129.02	44.06	129.91	42.63	131.45	42.98	133.31	43.18
	46	93.07	30.83	109.87	36.12	126.67	40.52	126.44	45.98	127.32	44.28	127.51	44.42	127.98	44.41
	48	93.07	31.91	109.87	37.38	126.67	41.94	125.54	47.58	126.02	45.83	126.19	46.33	125.32	46.42
	50	93.07	33.21	109.87	38.90	126.67	43.65	125.15	49.52	124.72	47.75	124.88	48.14	123.98	48.27

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	81.44	10.95	96.14	12.83	110.84	14.39	117.60	16.33	128.03	15.80	137.05	15.96	142.50	16.11
	12	81.44	11.15	96.14	13.06	110.84	14.65	117.60	16.63	128.03	16.09	137.05	16.25	141.24	16.41
	14	81.44	11.35	96.14	13.29	110.84	14.92	117.60	16.92	128.03	16.37	135.82	16.54	139.98	16.70
	16	81.44	11.55	96.14	13.53	110.84	15.18	117.60	17.22	128.03	16.66	134.60	16.83	138.72	16.99
	18	81.44	11.75	96.14	13.76	110.84	15.44	117.60	17.52	128.03	16.95	133.38	17.12	137.46	17.28
	19	81.44	11.95	96.14	13.99	110.84	15.70	117.60	17.81	128.03	17.24	132.15	17.41	136.20	17.58
	21	81.44	12.14	96.14	14.23	110.84	15.96	117.60	18.11	128.03	17.52	130.93	17.70	134.94	17.87
	23	81.44	12.34	96.14	14.46	110.84	16.22	117.60	18.41	128.03	17.81	129.70	17.99	133.67	18.16
	25	81.44	12.74	96.14	14.93	110.84	16.75	117.60	19.00	126.84	18.39	128.48	18.57	132.41	18.75
	27	81.44	12.94	96.14	15.16	110.84	17.01	117.60	19.30	125.64	18.67	127.26	18.86	131.15	19.04
	29	81.44	15.93	96.14	18.66	110.84	20.93	117.60	23.75	124.44	22.98	126.03	23.21	129.89	23.44
	31	81.44	17.92	96.14	20.99	110.84	23.55	117.60	26.72	123.25	25.85	124.81	26.11	128.63	26.37
	33	81.44	18.91	96.14	22.16	110.84	24.86	117.60	28.21	120.85	27.29	123.59	27.56	127.37	27.83
	35	81.44	19.91	96.14	23.32	110.84	26.17	117.60	29.69	119.66	28.73	122.36	29.01	126.11	29.30
	37	81.44	20.78	96.14	24.34	110.84	27.31	115.25	30.98	117.26	29.84	118.69	29.99	121.06	30.13
	39	81.44	21.50	96.14	25.19	110.84	28.26	114.42	32.06	116.07	30.88	117.47	31.27	118.54	31.49
	41	81.44	22.38	96.14	26.21	110.84	29.41	114.07	33.37	114.87	32.17	116.24	32.49	117.28	32.75
	43	81.44	23.49	96.14	27.52	110.84	30.88	112.90	35.03	113.68	33.90	115.02	34.18	116.65	34.33
	46	81.44	24.52	96.14	28.72	110.84	32.22	110.64	36.56	111.40	35.21	111.57	35.32	111.98	35.32
	48	81.44	25.37	96.14	29.72	110.84	33.35	109.85	37.84	110.26	36.44	110.42	36.84	109.65	36.91
	50	81.44	26.41	96.14	30.93	110.84	34.71	109.51	39.38	109.13	37.97	109.27	38.28	108.48	38.39
60%	10	69.80	8.31	82.40	9.74	95.00	10.92	100.80	12.39	109.74	11.99	117.47	12.11	122.14	12.23
	12	69.80	8.46	82.40	9.91	95.00	11.12	100.80	12.62	109.74	12.21	117.47	12.33	121.06	12.45
	14	69.80	8.61	82.40	10.09	95.00	11.32	100.80	12.84	109.74	12.43	116.42	12.55	119.98	12.67
	16	69.80	8.76	82.40	10.27	95.00	11.52	100.80	13.07	109.74	12.65	115.37	12.77	118.90	12.90
	18	69.80	8.92	82.40	10.44	95.00	11.72	100.80	13.30	109.74	12.86	114.32	12.99	117.82	13.12
	19	69.80	9.07	82.40	10.62	95.00	11.92	100.80	13.52	109.74	13.08	113.27	13.21	116.74	13.34
	21	69.80	9.22	82.40	10.80	95.00	12.12	100.80	13.75	109.74	13.30	112.22	13.43	115.66	13.56
	23	69.80	9.37	82.40	10.98	95.00	12.31	100.80	13.97	109.74	13.52	111.18	13.65	114.58	13.79
	25	69.80	9.67	82.40	11.33	95.00	12.71	100.80	14.42	108.72	13.95	110.13	14.09	113.50	14.23
	27	69.80	9.82	82.40	11.51	95.00	12.91	100.80	14.65	107.69	14.17	109.08	14.31	112.42	14.45
	29	69.80	12.09	82.40	14.16	95.00	15.89	100.80	18.03	106.67	17.44	108.03	17.62	111.34	17.79
	31	69.80	13.60	82.40	15.93	95.00	17.87	100.80	20.28	105.64	19.62	106.98	19.82	110.25	20.01
	33	69.80	14.36	82.40	16.82	95.00	18.87	100.80	21.41	103.59	20.71	105.93	20.92	109.17	21.12
	35	69.80	15.11	82.40	17.70	95.00	19.86	100.80	22.53	102.56	21.80	104.88	22.02	108.09	22.24
	37	69.80	15.77	82.40	18.47	95.00	20.73	98.78	23.52	100.51	22.65	101.74	22.76	103.77	22.87
	39	69.80	16.32	82.40	19.12	95.00	21.45	98.08	24.34	99.49	23.44	100.69	23.74	101.61	23.90
	41	69.80	16.99	82.40	19.90	95.00	22.32	97.78	25.33	98.46	24.42	99.64	24.66	100.53	24.86
	43	69.80	17.83	82.40	20.89	95.00	23.44	96.77	26.59	97.44	25.73	98.59	25.94	99.99	26.06
	46	69.80	18.61	82.40	21.80	95.00	24.46	94.83	27.75	95.49	26.72	95.63	26.81	95.99	26.81
	48	69.80	19.26	82.40	22.56	95.00	25.31	94.16	28.72	94.51	27.66	94.65	27.96	93.99	28.01
	50	69.80	20.04	82.40	23.48	95.00	26.34	93.86	29.89	93.54	28.82	93.66	29.05	92.99	29.14
50%	10	58.17	5.85	68.67	6.86	79.17	7.69	84.00	8.73	91.45	8.45	97.89	8.53	101.79	8.61
	12	58.17	5.96	68.67	6.98	79.17	7.83	84.00	8.89	91.45	8.60	97.89	8.69	100.89	8.77
	14	58.17	6.07	68.67	7.11	79.17	7.97	84.00	9.05	91.45	8.75	97.02	8.84	99.99	8.93
	16	58.17	6.17	68.67	7.23	79.17	8.11	84.00	9.21	91.45	8.91	96.14	9.00	99.09	9.08
	18	58.17	6.28	68.67	7.36	79.17	8.25	84.00	9.36	91.45	9.06	95.27	9.15	98.18	9.24
	19	58.17	6.39	68.67	7.48	79.17	8.39	84.00	9.52	91.45	9.21	94.39	9.31	97.28	9.40
	21	58.17	6.49	68.67	7.61	79.17	8.53	84.00	9.68	91.45	9.37	93.52	9.46	96.38	9.55
	23	58.17	6.60	68.67	7.73	79.17	8.67	84.00	9.84	91.45	9.52	92.65	9.62	95.48	9.71
	25	58.17	6.81	68.67	7.98	79.17	8.95	84.00	10.16	90.60	9.83	91.77	9.93	94.58	10.02
	27	58.17	6.92	68.67	8.10	79.17	9.09	84.00	10.32	89.74	9.98	90.90	10.08	93.68	10.18
	29	58.17	8.52	68.67	9.98	79.17	11.19	84.00	12.70	88.89	12.29	90.02	12.41	92.78	12.53
	31	58.17	9.58	68.67	11.22	79.17	12.59	84.00	14.29	88.03	13.82	89.15	13.96	91.88	14.10
	33	58.17	10.11	68.67	11.85	79.17	13.29	84.00	15.08	86.32	14.59	88.28	14.73	90.98	14.88
	35	58.17	10.64	68.67	12.47	79.17	13.99	84.00	15.87	85.47	15.36	87.40	15.51	90.08	15.66
	37	58.17	11.11	68.67	13.01	79.17	14.60	82.32	16.56	83.76	15.95	84.78	16.03	86.47	16.11
	39	58.17	11.50	68.67	13.47	79.17	15.11	81.73	17.14	82.91	16.51	83.91	16.72	84.67	16.84
	41	58.17	11.96	68.67	14.02	79.17	15.72	81.48	17.84	82.05	17.20	83.03	17.37	83.77	17.51
	43	58.17	12.56	68.67	14.71	79.17	16.51	80.64	18.73	81.20	18.12	82.16	18.27	83.32	18.36
	46	58.17	13.11	68.67	15.35	79.17	17.23	79.03	19.55	79.57	18.82	79.69	18.88	79.99	18.88
	48	58.17	13.57	68.67	15.89	79.17	17.83	78.46	20.23	78.76	19.48	78.87	19.70	78.32	19.73
	50	58.17	14.12	68.67	16.54	79.17	18.55	78.22	21.05	77.95	20.30	78.05	20.46	77.49	20.52

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	46.54	4.64	54.94	5.44	63.34	6.10	67.20	6.92	73.16	6.70	78.31	6.76	81.43	6.83
	12	46.54	4.73	54.94	5.54	63.34	6.21	67.20	7.05	73.16	6.82	78.31	6.89	80.71	6.95
	14	46.54	4.81	54.94	5.63	63.34	6.32	67.20	7.17	73.16	6.94	77.61	7.01	79.99	7.08
	16	46.54	4.89	54.94	5.73	63.34	6.43	67.20	7.30	73.16	7.06	76.91	7.13	79.27	7.20
	18	46.54	4.98	54.94	5.83	63.34	6.54	67.20	7.42	73.16	7.18	76.21	7.25	78.55	7.33
	19	46.54	5.06	54.94	5.93	63.34	6.65	67.20	7.55	73.16	7.31	75.52	7.38	77.83	7.45
	21	46.54	5.15	54.94	6.03	63.34	6.77	67.20	7.68	73.16	7.43	74.82	7.50	77.11	7.57
	23	46.54	5.23	54.94	6.13	63.34	6.88	67.20	7.80	73.16	7.55	74.12	7.62	76.39	7.70
	25	46.54	5.40	54.94	6.33	63.34	7.10	67.20	8.05	72.48	7.79	73.42	7.87	75.67	7.95
	27	46.54	5.48	54.94	6.43	63.34	7.21	67.20	8.18	71.79	7.91	72.72	7.99	74.94	8.07
	29	46.54	6.75	54.94	7.91	63.34	8.87	67.20	10.07	71.11	9.74	72.02	9.84	74.22	9.93
	31	46.54	7.59	54.94	8.90	63.34	9.98	67.20	11.32	70.43	10.96	71.32	11.07	73.50	11.17
	33	46.54	8.02	54.94	9.39	63.34	10.54	67.20	11.95	69.06	11.57	70.62	11.68	72.78	11.80
	35	46.54	8.44	54.94	9.88	63.34	11.09	67.20	12.58	68.38	12.18	69.92	12.30	72.06	12.42
	37	46.54	8.81	54.94	10.32	63.34	11.57	65.86	13.13	67.01	12.65	67.82	12.71	69.18	12.77
	39	46.54	9.11	54.94	10.68	63.34	11.98	65.39	13.59	66.32	13.09	67.12	13.25	67.74	13.35
	41	46.54	9.48	54.94	11.11	63.34	12.47	65.18	14.14	65.64	13.64	66.43	13.77	67.02	13.88
	43	46.54	9.96	54.94	11.66	63.34	13.09	64.51	14.85	64.96	14.37	65.73	14.48	66.66	14.55
	46	46.54	10.39	54.94	12.17	63.34	13.66	63.22	15.50	63.66	14.92	63.75	14.97	63.99	14.97
	48	46.54	10.75	54.94	12.60	63.34	14.13	62.77	16.04	63.01	15.44	63.10	15.61	62.66	15.64
	50	46.54	11.19	54.94	13.11	63.34	14.71	62.58	16.69	62.36	16.09	62.44	16.22	61.99	16.27
30%	10	34.90	4.25	41.20	4.97	47.50	5.58	50.40	6.33	54.87	6.13	58.73	6.19	61.07	6.25
	12	34.90	4.32	41.20	5.07	47.50	5.68	50.40	6.45	54.87	6.24	58.73	6.30	60.53	6.36
	14	34.90	4.40	41.20	5.16	47.50	5.78	50.40	6.56	54.87	6.35	58.21	6.41	59.99	6.48
	16	34.90	4.48	41.20	5.25	47.50	5.89	50.40	6.68	54.87	6.46	57.69	6.53	59.45	6.59
	18	34.90	4.56	41.20	5.34	47.50	5.99	50.40	6.79	54.87	6.57	57.16	6.64	58.91	6.70
	19	34.90	4.63	41.20	5.43	47.50	6.09	50.40	6.91	54.87	6.68	56.64	6.75	58.37	6.82
	21	34.90	4.71	41.20	5.52	47.50	6.19	50.40	7.02	54.87	6.80	56.11	6.86	57.83	6.93
	23	34.90	4.79	41.20	5.61	47.50	6.29	50.40	7.14	54.87	6.91	55.59	6.98	57.29	7.04
	25	34.90	4.94	41.20	5.79	47.50	6.49	50.40	7.37	54.36	7.13	55.06	7.20	56.75	7.27
	27	34.90	5.02	41.20	5.88	47.50	6.60	50.40	7.48	53.85	7.24	54.54	7.31	56.21	7.38
	29	34.90	6.18	41.20	7.24	47.50	8.12	50.40	9.21	53.33	8.91	54.01	9.00	55.67	9.09
	31	34.90	6.95	41.20	8.14	47.50	9.13	50.40	10.36	52.82	10.03	53.49	10.13	55.13	10.23
	33	34.90	7.34	41.20	8.59	47.50	9.64	50.40	10.94	51.79	10.58	52.97	10.69	54.59	10.79
	35	34.90	7.72	41.20	9.04	47.50	10.15	50.40	11.51	51.28	11.14	52.44	11.25	54.05	11.36
	37	34.90	8.06	41.20	9.44	47.50	10.59	49.39	12.02	50.26	11.57	50.87	11.63	51.88	11.69
	39	34.90	8.34	41.20	9.77	47.50	10.96	49.04	12.44	49.74	11.98	50.34	12.13	50.80	12.21
	41	34.90	8.68	41.20	10.17	47.50	11.41	48.89	12.94	49.23	12.48	49.82	12.60	50.26	12.70
	43	34.90	9.11	41.20	10.67	47.50	11.97	48.38	13.59	48.72	13.15	49.29	13.25	49.99	13.32
	46	34.90	9.51	41.20	11.14	47.50	12.50	47.42	14.18	47.74	13.65	47.82	13.70	47.99	13.70
	48	34.90	9.84	41.20	11.53	47.50	12.93	47.08	14.67	47.26	14.13	47.32	14.29	46.99	14.31
	50	34.90	10.24	41.20	12.00	47.50	13.46	46.93	15.27	46.77	14.72	46.83	14.84	46.49	14.89
20%	10	23.27	2.46	27.47	2.88	31.67	3.23	33.60	3.66	36.58	3.55	39.16	3.58	40.71	3.62
	12	23.27	2.50	27.47	2.93	31.67	3.29	33.60	3.73	36.58	3.61	39.16	3.65	40.35	3.68
	14	23.27	2.55	27.47	2.98	31.67	3.35	33.60	3.80	36.58	3.67	38.81	3.71	39.99	3.75
	16	23.27	2.59	27.47	3.04	31.67	3.41	33.60	3.86	36.58	3.74	38.46	3.78	39.63	3.81
	18	23.27	2.64	27.47	3.09	31.67	3.46	33.60	3.93	36.58	3.80	38.11	3.84	39.27	3.88
	19	23.27	2.68	27.47	3.14	31.67	3.52	33.60	4.00	36.58	3.87	37.76	3.91	38.91	3.94
	21	23.27	2.73	27.47	3.19	31.67	3.58	33.60	4.06	36.58	3.93	37.41	3.97	38.55	4.01
	23	23.27	2.77	27.47	3.24	31.67	3.64	33.60	4.13	36.58	4.00	37.06	4.04	38.19	4.08
	25	23.27	2.86	27.47	3.35	31.67	3.76	33.60	4.26	36.24	4.13	36.71	4.17	37.83	4.21
	27	23.27	2.90	27.47	3.40	31.67	3.82	33.60	4.33	35.90	4.19	36.36	4.23	37.47	4.27
	29	23.27	3.57	27.47	4.19	31.67	4.70	33.60	5.33	35.56	5.16	36.01	5.21	37.11	5.26
	31	23.27	4.02	27.47	4.71	31.67	5.28	33.60	6.00	35.21	5.80	35.66	5.86	36.75	5.92
	33	23.27	4.24	27.47	4.97	31.67	5.58	33.60	6.33	34.53	6.12	35.31	6.18	36.39	6.24
	35	23.27	4.47	27.47	5.23	31.67	5.87	33.60	6.66	34.19	6.45	34.96	6.51	36.03	6.57
	37	23.27	4.66	27.47	5.46	31.67	6.13	32.93	6.95	33.50	6.69	33.91	6.73	34.59	6.76
	39	23.27	4.82	27.47	5.65	31.67	6.34	32.69	7.19	33.16	6.93	33.56	7.02	33.87	7.07
	41	23.27	5.02	27.47	5.88	31.67	6.60	32.59	7.49	32.82	7.22	33.21	7.29	33.51	7.35
	43	23.27	5.27	27.47	6.18	31.67	6.93	32.26	7.86	32.48	7.61	32.86	7.67	33.33	7.70
	46	23.27	5.50	27.47	6.44	31.67	7.23	31.61	8.20	31.83	7.90	31.88	7.93	32.00	7.92
	48	23.27	5.69	27.47	6.67	31.67	7.48	31.39	8.49	31.50	8.18	31.55	8.27	31.33	8.28
	50	23.27	5.93	27.47	6.94	31.67	7.79	31.29	8.84	31.18	8.52	31.22	8.59	31.00	8.61

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR620ADB**

Capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	131.73	23.05	155.51	27.00	179.29	30.29	190.23	34.04	207.11	33.25	221.69	33.58	230.51	33.91
	12	131.73	23.47	155.51	27.49	179.29	30.84	190.23	34.66	207.11	33.86	221.69	34.19	228.47	34.53
	14	131.73	23.89	155.51	27.98	179.29	31.39	190.23	35.28	207.11	34.46	219.71	34.81	226.43	35.15
	16	131.73	24.31	155.51	28.47	179.29	31.94	190.23	35.90	207.11	35.07	217.73	35.42	224.39	35.76
	18	131.73	24.72	155.51	28.96	179.29	32.49	190.23	36.52	207.11	35.67	215.75	36.03	222.35	36.38
	19	131.73	25.14	155.51	29.45	173.91	33.05	190.23	37.14	207.11	36.28	213.77	36.64	220.31	37.00
	21	131.73	25.56	155.51	29.94	179.29	33.60	190.23	37.75	207.11	36.88	211.79	37.25	218.27	37.61
	23	131.73	25.98	155.51	30.44	179.29	34.15	190.23	38.37	207.11	37.49	209.81	37.86	216.23	38.23
	25	131.73	26.82	155.51	31.42	179.29	35.25	190.23	39.61	205.17	38.70	207.83	39.08	214.19	39.46
	27	131.73	27.24	155.51	31.91	179.29	35.80	190.23	40.23	203.24	39.30	205.85	39.69	212.15	40.08
	29	131.73	33.52	155.51	39.27	179.29	44.06	190.23	49.51	201.30	48.37	203.87	48.85	210.11	49.33
	31	131.73	37.71	155.51	44.18	179.29	49.57	190.23	55.70	199.37	54.42	201.89	54.96	208.07	55.49
	33	131.73	39.81	155.51	46.63	179.29	52.32	190.23	58.80	195.49	57.44	199.91	58.01	206.03	58.58
	35	131.73	41.91	155.51	49.09	179.29	55.08	190.23	61.89	193.56	60.46	197.93	61.06	203.99	61.66
	37	131.73	43.73	155.51	51.23	179.29	57.48	186.43	64.59	189.69	62.80	192.00	63.11	195.83	63.42
	39	131.73	45.26	155.51	53.02	179.29	59.48	185.09	66.84	187.75	65.00	190.02	65.82	191.75	66.29
	41	131.73	47.10	155.51	55.18	179.29	61.91	184.52	69.57	185.82	67.72	188.04	68.39	189.71	68.94
	43	131.73	49.45	155.51	57.93	179.29	64.99	182.62	73.03	183.88	71.35	186.06	71.93	188.69	72.27
	46	131.73	51.60	155.51	60.45	179.29	67.82	178.97	76.22	180.20	74.10	180.48	74.35	181.15	74.33
	48	131.73	53.40	155.51	62.56	179.29	70.19	177.69	78.88	178.36	76.70	178.62	77.54	177.37	77.69
	50	131.73	55.58	155.51	65.11	179.29	73.05	177.14	82.09	176.53	79.91	176.76	80.56	175.49	80.79
120%	10	129.59	22.82	152.98	26.74	176.37	30.00	187.13	33.71	203.74	32.93	218.08	33.26	226.76	33.58
	12	129.59	23.24	152.98	27.22	176.37	30.54	187.13	34.32	203.74	33.53	218.08	33.86	224.75	34.19
	14	129.59	23.65	152.98	27.71	176.37	31.09	187.13	34.94	203.74	34.13	216.13	34.47	222.74	34.81
	16	129.59	24.07	152.98	28.20	176.37	31.63	187.13	35.55	203.74	34.73	214.18	35.07	220.74	35.42
	18	129.59	24.48	152.98	28.68	176.37	32.18	187.13	36.16	203.74	35.33	212.23	35.68	218.73	36.03
	19	129.59	24.90	152.98	29.17	176.37	32.72	187.13	36.77	203.74	35.93	210.29	36.28	216.72	36.64
	21	129.59	25.31	152.98	29.65	176.37	33.27	187.13	37.39	203.74	36.52	208.34	36.89	214.72	37.25
	23	129.59	25.73	152.98	30.14	176.37	33.82	187.13	38.00	203.74	37.12	206.39	37.49	212.71	37.86
	25	129.59	26.56	152.98	31.11	176.37	34.91	187.13	39.23	201.83	38.32	204.45	38.70	210.70	39.08
	27	129.59	26.97	152.98	31.60	176.37	35.45	187.13	39.84	199.93	38.92	202.50	39.31	208.70	39.69
	29	129.59	33.20	152.98	38.89	176.37	43.63	187.13	49.03	198.02	47.90	200.55	48.38	206.69	48.85
	31	129.59	37.35	152.98	43.75	176.37	49.09	187.13	55.16	196.12	53.89	198.61	54.42	204.68	54.96
	33	129.59	39.42	152.98	46.18	176.37	51.81	187.13	58.23	192.31	56.88	196.66	57.45	202.68	58.01
	35	129.59	41.50	152.98	48.61	176.37	54.54	187.13	61.29	190.41	59.88	194.71	60.47	200.67	61.06
	37	129.59	43.31	152.98	50.73	176.37	56.92	183.39	63.96	186.60	62.19	188.87	62.50	192.64	62.81
	39	129.59	44.82	152.98	52.50	176.37	58.90	182.08	66.19	184.69	64.37	186.92	65.19	188.63	65.64
	41	129.59	46.64	152.98	54.64	176.37	61.30	181.52	68.89	182.79	67.06	184.98	67.73	186.62	68.27
	43	129.59	48.97	152.98	57.36	176.37	64.36	179.65	72.32	180.89	70.65	183.03	71.23	185.62	71.56
	46	129.59	51.10	152.98	59.86	176.37	67.16	176.05	75.48	177.27	73.38	177.54	73.63	178.20	73.61
	48	129.59	52.89	152.98	61.95	176.37	69.51	174.80	78.11	175.46	75.95	175.71	76.79	174.48	76.93
	50	129.59	55.04	152.98	64.48	176.37	72.34	174.26	81.29	173.65	79.13	173.88	79.78	172.63	80.01
110%	10	127.44	22.28	150.45	26.10	173.45	29.28	184.03	32.91	200.36	32.15	214.47	32.47	223.00	32.78
	12	127.44	22.69	150.45	26.57	173.45	29.82	184.03	33.51	200.36	32.73	214.47	33.06	221.03	33.38
	14	127.44	23.09	150.45	27.05	173.45	30.35	184.03	34.10	200.36	33.32	212.55	33.65	219.06	33.98
	16	127.44	23.50	150.45	27.52	173.45	30.88	184.03	34.70	200.36	33.90	210.64	34.24	217.08	34.57
	18	127.44	23.90	150.45	28.00	173.45	31.41	184.03	35.30	200.36	34.49	208.72	34.83	215.11	35.17
	19	127.44	24.31	150.45	28.47	173.45	31.95	184.03	35.90	200.36	35.07	206.81	35.42	213.14	35.76
	21	127.44	24.71	150.45	28.95	173.45	32.48	184.03	36.50	200.36	35.66	204.89	36.01	211.16	36.36
	23	127.44	25.12	150.45	29.42	173.45	33.01	184.03	37.10	200.36	36.24	202.98	36.60	209.19	36.96
	25	127.44	25.93	150.45	30.37	173.45	34.08	184.03	38.29	198.49	37.41	201.06	37.78	207.22	38.15
	27	127.44	26.33	150.45	30.85	173.45	34.61	184.03	38.89	196.62	37.99	199.15	38.37	205.24	38.75
	29	127.44	32.41	150.45	37.96	173.45	42.59	184.03	47.87	194.74	46.76	197.23	47.22	203.27	47.69
	31	127.44	36.46	150.45	42.71	173.45	47.92	184.03	53.85	192.87	52.61	195.32	53.13	201.30	53.65
	33	127.44	38.48	150.45	45.08	173.45	50.58	184.03	56.84	189.13	55.53	193.40	56.08	199.32	56.63
	35	127.44	40.51	150.45	47.46	173.45	53.24	184.03	59.83	187.25	58.45	191.49	59.03	197.35	59.61
	37	127.44	42.28	150.45	49.52	173.45	55.56	180.35	62.44	183.51	60.71	185.74	61.01	189.45	61.31
	39	127.44	43.75	150.45	51.25	173.45	57.50	179.07	64.62	181.64	62.83	183.83	63.63	185.51	64.08
	41	127.44	45.53	150.45	53.34	173.45	59.84	178.51	67.25	179.76	65.46	181.91	66.11	183.53	66.64
	43	127.44	47.80	150.45	56.00	173.45	62.83	176.67	70.60	177.89	68.97	180.00	69.54	182.55	69.86
	46	127.44	49.89	150.45	58.44	173.45	65.57	173.14	73.68	174.33	71.63	174.60	71.87	175.25	71.86
	48	127.44	51.63	150.45	60.48	173.45	67.85	171.90	76.25	172.56	74.14	172.80	74.96	171.59	75.10
	50	127.44	53.73	150.45	62.94	173.45	70.62	171.37	79.36	170.78	77.25	171.00	77.88	169.77	78.10

Note: TC: Total capacity, PI: Power input.

Capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	120.15	21.10	141.84	24.71	163.52	27.73	173.50	30.14	188.89	30.44	202.19	30.74	210.24	31.04
	12	120.15	21.48	141.84	25.16	163.52	28.23	173.50	30.69	188.89	30.99	202.19	31.30	208.38	31.61
	14	120.15	21.87	141.84	25.61	163.52	28.74	173.50	31.24	188.89	31.55	200.38	31.86	206.52	32.17
	16	120.15	22.25	141.84	26.06	163.52	29.24	173.50	31.78	188.89	32.10	198.58	32.42	204.66	32.74
	18	120.15	22.63	141.84	26.51	163.52	29.75	173.50	32.33	188.89	32.66	196.77	32.98	202.80	33.30
	19	120.15	23.02	141.84	26.96	163.52	30.25	173.50	32.88	188.89	33.21	194.97	33.54	200.94	33.87
	21	120.15	23.40	141.84	27.41	163.52	30.75	173.50	33.43	188.89	33.76	193.16	34.10	199.08	34.43
	23	120.15	23.78	141.84	27.86	163.52	31.26	173.50	33.98	188.89	34.32	191.36	34.66	197.22	35.00
	25	120.15	24.55	141.84	28.76	163.52	32.27	173.50	35.07	187.13	35.42	189.55	35.77	195.36	36.12
	27	120.15	24.93	141.84	29.21	163.52	32.77	173.50	35.62	185.36	35.98	187.75	36.33	193.49	36.69
	29	120.15	30.69	141.84	35.95	163.52	40.33	173.50	43.84	183.60	44.28	185.94	44.72	191.63	45.16
	31	120.15	34.52	141.84	40.44	163.52	45.37	173.50	49.32	181.83	49.81	184.14	50.31	189.77	50.80
	33	120.15	36.44	141.84	42.69	163.52	47.90	173.50	52.06	178.30	52.58	182.33	53.10	187.91	53.62
	35	120.15	38.36	141.84	44.94	163.52	50.42	173.50	54.80	176.54	55.35	180.53	55.90	186.05	56.44
	37	120.15	40.03	141.84	46.90	163.52	52.61	170.03	57.19	173.01	57.48	175.11	57.77	178.61	58.06
	39	120.15	41.43	141.84	48.53	163.52	54.45	168.82	59.18	171.24	59.50	173.31	60.26	174.89	60.68
	41	120.15	43.12	141.84	50.51	163.52	56.67	168.30	61.60	169.47	61.99	171.50	62.60	173.03	63.10
	43	120.15	45.26	141.84	53.02	163.52	59.49	166.56	64.66	167.71	65.31	169.70	65.85	172.10	66.15
	46	120.15	47.24	141.84	55.34	163.52	62.08	163.23	67.48	164.36	67.83	164.60	68.06	165.21	68.04
	48	120.15	48.89	141.84	57.27	163.52	64.25	162.06	69.84	162.68	70.21	162.91	70.98	161.77	71.11
	50	120.15	50.88	141.84	59.60	163.52	66.87	161.56	72.68	161.00	73.15	161.21	73.75	160.05	73.96
90%	10	108.13	17.71	127.65	20.75	147.17	23.28	156.15	26.16	170.00	25.55	181.97	25.81	189.22	26.06
	12	108.13	18.03	127.65	21.12	147.17	23.70	156.15	26.63	170.00	26.02	181.97	26.27	187.54	26.53
	14	108.13	18.35	127.65	21.50	147.17	24.12	156.15	27.11	170.00	26.48	180.35	26.74	185.87	27.01
	16	108.13	18.68	127.65	21.88	147.17	24.54	156.15	27.58	170.00	26.95	178.72	27.21	184.19	27.48
	18	108.13	19.00	127.65	22.25	147.17	24.97	156.15	28.06	170.00	27.41	177.10	27.68	182.52	27.95
	19	108.13	19.32	127.65	22.63	147.17	25.39	156.15	28.53	170.00	27.88	175.47	28.15	180.84	28.43
	21	108.13	19.64	127.65	23.01	147.17	25.81	156.15	29.01	170.00	28.34	173.85	28.62	179.17	28.90
	23	108.13	19.96	127.65	23.39	147.17	26.24	156.15	29.49	170.00	28.80	172.22	29.09	177.49	29.37
	25	108.13	20.61	127.65	24.14	147.17	27.08	156.15	30.44	168.42	29.73	170.60	30.03	175.82	30.32
	27	108.13	20.93	127.65	24.52	147.17	27.51	156.15	30.91	166.83	30.20	168.97	30.50	174.15	30.80
	29	108.13	25.76	127.65	30.18	147.17	33.86	156.15	38.05	165.24	37.17	167.35	37.54	172.47	37.90
	31	108.13	28.98	127.65	33.95	147.17	38.09	156.15	42.80	163.65	41.81	165.72	42.23	170.80	42.64
	33	108.13	30.59	127.65	35.83	147.17	40.20	156.15	45.18	160.47	44.14	164.10	44.57	169.12	45.01
	35	108.13	32.20	127.65	37.72	147.17	42.32	156.15	47.56	158.88	46.46	162.47	46.92	167.45	47.38
	37	108.13	33.60	127.65	39.36	147.17	44.16	153.03	49.63	155.70	48.25	157.60	48.50	160.75	48.73
	39	108.13	34.78	127.65	40.74	147.17	45.70	151.93	51.36	154.12	49.94	155.98	50.58	157.40	50.93
	41	108.13	36.19	127.65	42.40	147.17	47.57	151.47	53.45	152.53	52.03	154.35	52.55	155.73	52.97
	43	108.13	37.99	127.65	44.51	147.17	49.94	149.90	56.12	150.94	54.82	152.73	55.27	154.89	55.53
	46	108.13	39.65	127.65	46.45	147.17	52.11	146.91	58.56	147.92	56.94	148.14	57.13	148.69	57.12
	48	108.13	41.03	127.65	48.07	147.17	53.93	145.86	60.61	146.41	58.93	146.62	59.58	145.60	59.69
	50	108.13	42.71	127.65	50.03	147.17	56.13	145.41	63.08	144.90	61.40	145.09	61.90	144.05	62.08
80%	10	96.12	14.51	113.47	17.00	130.82	19.07	138.80	21.43	151.12	20.94	161.75	21.15	168.19	21.35
	12	96.12	14.78	113.47	17.31	130.82	19.42	138.80	21.82	151.12	21.32	161.75	21.53	166.70	21.74
	14	96.12	15.04	113.47	17.62	130.82	19.77	138.80	22.21	151.12	21.70	160.31	21.92	165.21	22.13
	16	96.12	15.30	113.47	17.93	130.82	20.11	138.80	22.60	151.12	22.08	158.86	22.30	163.73	22.52
	18	96.12	15.57	113.47	18.24	130.82	20.46	138.80	22.99	151.12	22.46	157.42	22.69	162.24	22.91
	19	96.12	15.83	113.47	18.55	130.82	20.81	138.80	23.38	151.12	22.84	155.98	23.07	160.75	23.30
	21	96.12	16.10	113.47	18.86	130.82	21.15	138.80	23.77	151.12	23.22	154.53	23.45	159.26	23.68
	23	96.12	16.36	113.47	19.16	130.82	21.50	138.80	24.16	151.12	23.61	153.09	23.84	157.77	24.07
	25	96.12	16.89	113.47	19.78	130.82	22.20	138.80	24.94	149.70	24.37	151.64	24.61	156.28	24.85
	27	96.12	17.15	113.47	20.09	130.82	22.54	138.80	25.33	148.29	24.75	150.20	24.99	154.80	25.24
	29	96.12	21.11	113.47	24.73	130.82	27.74	138.80	31.18	146.88	30.46	148.75	30.76	153.31	31.06
	31	96.12	23.75	113.47	27.82	130.82	31.21	138.80	35.08	145.47	34.27	147.31	34.60	151.82	34.94
	33	96.12	25.07	113.47	29.36	130.82	32.95	138.80	37.02	142.64	36.17	145.87	36.53	150.33	36.89
	35	96.12	26.39	113.47	30.91	130.82	34.68	138.80	38.97	141.23	38.07	144.42	38.45	148.84	38.83
	37	96.12	27.54	113.47	32.26	130.82	36.19	136.02	40.67	138.40	39.54	140.09	39.74	142.89	39.94
	39	96.12	28.50	113.47	33.38	130.82	37.45	135.05	42.09	136.99	40.93	138.64	41.45	139.91	41.74
	41	96.12	29.66	113.47	34.74	130.82	38.98	134.64	43.81	135.58	42.64	137.20	43.06	138.42	43.41
	43	96.12	31.14	113.47	36.47	130.82	40.92	133.25	45.99	134.17	44.93	135.76	45.29	137.68	45.50
	46	96.12	32.49	113.47	38.06	130.82	42.71	130.58	47.99	131.48	46.66	131.68	46.82	132.17	46.81
	48	96.12	33.63	113.47	39.39	130.82	44.20	129.65	49.67	130.14	48.30	130.33	48.83	129.42	48.92
	50	96.12	35.00	113.47	41.00	130.82	46.00	129.25	51.69	128.80	50.32	128.97	50.73	128.04	50.87

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	84.10	11.54	99.29	13.52	114.47	15.17	121.45	17.04	132.23	16.65	141.53	16.82	147.17	16.98
	12	84.10	11.75	99.29	13.76	114.47	15.44	121.45	17.35	132.23	16.95	141.53	17.12	145.87	17.29
	14	84.10	11.96	99.29	14.01	114.47	15.72	121.45	17.66	132.23	17.26	140.27	17.43	144.56	17.60
	16	84.10	12.17	99.29	14.26	114.47	15.99	121.45	17.97	132.23	17.56	139.01	17.73	143.26	17.91
	18	84.10	12.38	99.29	14.50	114.47	16.27	121.45	18.28	132.23	17.86	137.74	18.04	141.96	18.22
	19	84.10	12.59	99.29	14.75	114.47	16.55	121.45	18.59	132.23	18.16	136.48	18.34	140.66	18.52
	21	84.10	12.80	99.29	14.99	114.47	16.82	121.45	18.90	132.23	18.47	135.21	18.65	139.35	18.83
	23	84.10	13.01	99.29	15.24	114.47	17.10	121.45	19.21	132.23	18.77	133.95	18.96	138.05	19.14
	25	84.10	13.43	99.29	15.73	114.47	17.65	121.45	19.83	130.99	19.38	132.69	19.57	136.75	19.76
	27	84.10	13.64	99.29	15.98	114.47	17.92	121.45	20.14	129.75	19.68	131.42	19.87	135.45	20.07
	29	84.10	16.79	99.29	19.66	114.47	22.06	121.45	24.79	128.52	24.22	130.16	24.46	134.14	24.70
	31	84.10	18.88	99.29	22.12	114.47	24.82	121.45	27.89	127.28	27.25	128.90	27.52	132.84	27.79
	33	84.10	19.93	99.29	23.35	114.47	26.20	121.45	29.44	124.81	28.76	127.63	29.04	131.54	29.33
	35	84.10	20.98	99.29	24.58	114.47	27.58	121.45	30.99	123.58	30.27	126.37	30.57	130.24	30.87
	37	84.10	21.90	99.29	25.65	114.47	28.78	119.02	32.34	121.10	31.44	122.58	31.60	125.03	31.76
	39	84.10	22.66	99.29	26.54	114.47	29.78	118.17	33.47	119.87	32.54	121.31	32.96	122.42	33.19
	41	84.10	23.58	99.29	27.63	114.47	31.00	117.81	34.83	118.63	33.91	120.05	34.24	121.12	34.52
	43	84.10	24.76	99.29	29.00	114.47	32.54	116.59	36.57	117.40	35.72	118.79	36.02	120.47	36.18
	46	84.10	25.84	99.29	30.27	114.47	33.96	114.26	38.16	115.05	37.10	115.22	37.23	115.65	37.22
	48	84.10	26.74	99.29	31.32	114.47	35.14	113.44	39.49	113.87	38.40	114.04	38.82	113.24	38.90
	50	84.10	27.83	99.29	32.60	114.47	36.57	113.09	41.10	112.70	40.01	112.85	40.34	112.04	40.45
60%	10	72.09	8.76	85.10	10.26	98.11	11.51	104.10	12.94	113.34	12.64	121.31	12.76	126.14	12.89
	12	72.09	8.92	85.10	10.45	98.11	11.72	104.10	13.17	113.34	12.87	121.31	12.99	125.03	13.12
	14	72.09	9.08	85.10	10.63	98.11	11.93	104.10	13.41	113.34	13.10	120.23	13.23	123.91	13.36
	16	72.09	9.24	85.10	10.82	98.11	12.14	104.10	13.64	113.34	13.33	119.15	13.46	122.79	13.59
	18	72.09	9.40	85.10	11.01	98.11	12.35	104.10	13.88	113.34	13.56	118.06	13.69	121.68	13.83
	19	72.09	9.56	85.10	11.19	98.11	12.56	104.10	14.11	113.34	13.79	116.98	13.92	120.56	14.06
	21	72.09	9.71	85.10	11.38	98.11	12.77	104.10	14.35	113.34	14.02	115.90	14.16	119.45	14.29
	23	72.09	9.87	85.10	11.57	98.11	12.98	104.10	14.58	113.34	14.25	114.82	14.39	118.33	14.53
	25	72.09	10.19	85.10	11.94	98.11	13.40	104.10	15.05	112.28	14.71	113.73	14.85	117.21	15.00
	27	72.09	10.35	85.10	12.13	98.11	13.60	104.10	15.29	111.22	14.94	112.65	15.08	116.10	15.23
	29	72.09	12.74	85.10	14.92	98.11	16.74	104.10	18.82	110.16	18.38	111.57	18.56	114.98	18.75
	31	72.09	14.33	85.10	16.79	98.11	18.84	104.10	21.17	109.10	20.68	110.48	20.88	113.86	21.09
	33	72.09	15.13	85.10	17.72	98.11	19.88	104.10	22.34	106.98	21.83	109.40	22.05	112.75	22.26
	35	72.09	15.93	85.10	18.66	98.11	20.93	104.10	23.52	105.92	22.98	108.32	23.21	111.63	23.43
	37	72.09	16.62	85.10	19.47	98.11	21.84	102.02	24.55	103.80	23.86	105.07	23.99	107.17	24.10
	39	72.09	17.20	85.10	20.15	98.11	22.60	101.29	25.40	102.74	24.70	103.98	25.02	104.93	25.19
	41	72.09	17.90	85.10	20.97	98.11	23.53	100.98	26.44	101.68	25.74	102.90	25.99	103.82	26.20
	43	72.09	18.79	85.10	22.01	98.11	24.70	99.94	27.75	100.63	27.11	101.82	27.34	103.26	27.46
	46	72.09	19.61	85.10	22.97	98.11	25.77	97.94	28.96	98.61	28.16	98.76	28.25	99.13	28.25
	48	72.09	20.30	85.10	23.77	98.11	26.67	97.24	29.97	97.61	29.15	97.74	29.47	97.06	29.52
	50	72.09	21.12	85.10	24.74	98.11	27.76	96.94	31.20	96.60	30.37	96.73	30.62	96.03	30.70
50%	10	60.07	6.17	70.92	7.23	81.76	8.11	86.75	9.11	94.45	8.90	101.09	8.99	105.12	9.08
	12	60.07	6.28	70.92	7.36	81.76	8.26	86.75	9.28	94.45	9.06	101.09	9.15	104.19	9.24
	14	60.07	6.39	70.92	7.49	81.76	8.40	86.75	9.44	94.45	9.23	100.19	9.32	103.26	9.41
	16	60.07	6.51	70.92	7.62	81.76	8.55	86.75	9.61	94.45	9.39	99.29	9.48	102.33	9.57
	18	60.07	6.62	70.92	7.75	81.76	8.70	86.75	9.77	94.45	9.55	98.39	9.64	101.40	9.74
	19	60.07	6.73	70.92	7.88	81.76	8.85	86.75	9.94	94.45	9.71	97.48	9.81	100.47	9.90
	21	60.07	6.84	70.92	8.02	81.76	8.99	86.75	10.11	94.45	9.87	96.58	9.97	99.54	10.07
	23	60.07	6.95	70.92	8.15	81.76	9.14	86.75	10.27	94.45	10.03	95.68	10.13	98.61	10.23
	25	60.07	7.18	70.92	8.41	81.76	9.44	86.75	10.60	93.56	10.36	94.78	10.46	97.68	10.56
	27	60.07	7.29	70.92	8.54	81.76	9.58	86.75	10.77	92.68	10.52	93.87	10.62	96.75	10.73
	29	60.07	8.97	70.92	10.51	81.76	11.79	86.75	13.25	91.80	12.95	92.97	13.08	95.82	13.20
	31	60.07	10.10	70.92	11.83	81.76	13.27	86.75	14.91	90.92	14.57	92.07	14.71	94.89	14.86
	33	60.07	10.66	70.92	12.48	81.76	14.01	86.75	15.74	89.15	15.38	91.17	15.53	93.96	15.68
	35	60.07	11.22	70.92	13.14	81.76	14.74	86.75	16.57	88.27	16.19	90.26	16.35	93.03	16.51
	37	60.07	11.71	70.92	13.71	81.76	15.39	85.02	17.29	86.50	16.81	87.56	16.89	89.31	16.98
	39	60.07	12.11	70.92	14.19	81.76	15.92	84.41	17.89	85.62	17.40	86.65	17.62	87.44	17.74
	41	60.07	12.61	70.92	14.77	81.76	16.57	84.15	18.62	84.74	18.13	85.75	18.31	86.51	18.45
	43	60.07	13.24	70.92	15.51	81.76	17.40	83.28	19.55	83.85	19.10	84.85	19.25	86.05	19.34
	46	60.07	13.81	70.92	16.18	81.76	18.16	81.61	20.40	82.18	19.84	82.30	19.90	82.61	19.90
	48	60.07	14.30	70.92	16.75	81.76	18.79	81.03	21.11	81.34	20.53	81.45	20.76	80.89	20.80
	50	60.07	14.88	70.92	17.43	81.76	19.55	80.78	21.97	80.50	21.39	80.61	21.57	80.03	21.63

Note: TC: Total capacity, PI: Power input.



Capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	48.06	4.89	56.73	5.73	65.41	6.43	69.40	7.22	75.56	7.06	80.88	7.13	84.10	7.20
	12	48.06	4.98	56.73	5.83	65.41	6.54	69.40	7.35	75.56	7.19	80.88	7.26	83.35	7.33
	14	48.06	5.07	56.73	5.94	65.41	6.66	69.40	7.49	75.56	7.31	80.15	7.39	82.61	7.46
	16	48.06	5.16	56.73	6.04	65.41	6.78	69.40	7.62	75.56	7.44	79.43	7.52	81.86	7.59
	18	48.06	5.25	56.73	6.15	65.41	6.90	69.40	7.75	75.56	7.57	78.71	7.65	81.12	7.72
	19	48.06	5.34	56.73	6.25	65.41	7.01	69.40	7.88	75.56	7.70	77.99	7.77	80.37	7.85
	21	48.06	5.42	56.73	6.35	65.41	7.13	69.40	8.01	75.56	7.83	77.27	7.90	79.63	7.98
	23	48.06	5.51	56.73	6.46	65.41	7.25	69.40	8.14	75.56	7.96	76.54	8.03	78.89	8.11
	25	48.06	5.69	56.73	6.67	65.41	7.48	69.40	8.41	74.85	8.21	75.82	8.29	78.14	8.37
	27	48.06	5.78	56.73	6.77	65.41	7.60	69.40	8.54	74.15	8.34	75.10	8.42	77.40	8.51
	29	48.06	7.11	56.73	8.33	65.41	9.35	69.40	10.51	73.44	10.26	74.38	10.37	76.65	10.47
	31	48.06	8.00	56.73	9.38	65.41	10.52	69.40	11.82	72.73	11.55	73.65	11.66	75.91	11.78
	33	48.06	8.45	56.73	9.90	65.41	11.10	69.40	12.48	71.32	12.19	72.93	12.31	75.17	12.43
	35	48.06	8.89	56.73	10.42	65.41	11.69	69.40	13.13	70.61	12.83	72.21	12.96	74.42	13.08
	37	48.06	9.28	56.73	10.87	65.41	12.20	68.01	13.71	69.20	13.33	70.04	13.39	71.44	13.46
	39	48.06	9.60	56.73	11.25	65.41	12.62	67.53	14.18	68.50	13.79	69.32	13.97	69.96	14.07
	41	48.06	10.00	56.73	11.71	65.41	13.14	67.32	14.76	67.79	14.37	68.60	14.51	69.21	14.63
	43	48.06	10.49	56.73	12.29	65.41	13.79	66.62	15.50	67.08	15.14	67.88	15.26	68.84	15.34
	46	48.06	10.95	56.73	12.83	65.41	14.39	65.29	16.17	65.74	15.72	65.84	15.78	66.09	15.77
	48	48.06	11.33	56.73	13.28	65.41	14.89	64.83	16.74	65.07	16.28	65.16	16.45	64.71	16.49
	50	48.06	11.79	56.73	13.82	65.41	15.50	64.63	17.42	64.40	16.96	64.48	17.10	64.02	17.14
30%	10	36.04	4.48	42.55	5.24	49.06	5.88	52.05	6.61	56.67	6.46	60.66	6.52	63.07	6.59
	12	36.04	4.56	42.55	5.34	49.06	5.99	52.05	6.73	56.67	6.57	60.66	6.64	62.51	6.70
	14	36.04	4.64	42.55	5.43	49.06	6.10	52.05	6.85	56.67	6.69	60.12	6.76	61.96	6.82
	16	36.04	4.72	42.55	5.53	49.06	6.20	52.05	6.97	56.67	6.81	59.57	6.88	61.40	6.94
	18	36.04	4.80	42.55	5.62	49.06	6.31	52.05	7.09	56.67	6.93	59.03	7.00	60.84	7.06
	19	36.04	4.88	42.55	5.72	49.06	6.42	52.05	7.21	56.67	7.04	58.49	7.11	60.28	7.18
	21	36.04	4.96	42.55	5.81	49.06	6.52	52.05	7.33	56.67	7.16	57.95	7.23	59.72	7.30
	23	36.04	5.04	42.55	5.91	49.06	6.63	52.05	7.45	56.67	7.28	57.41	7.35	59.16	7.42
	25	36.04	5.21	42.55	6.10	49.06	6.84	52.05	7.69	56.14	7.51	56.87	7.59	58.61	7.66
	27	36.04	5.29	42.55	6.20	49.06	6.95	52.05	7.81	55.61	7.63	56.32	7.71	58.05	7.78
	29	36.04	6.51	42.55	7.63	49.06	8.56	52.05	9.61	55.08	9.39	55.78	9.49	57.49	9.58
	31	36.04	7.32	42.55	8.58	49.06	9.62	52.05	10.82	54.55	10.57	55.24	10.67	56.93	10.78
	33	36.04	7.73	42.55	9.06	49.06	10.16	52.05	11.42	53.49	11.15	54.70	11.26	56.37	11.37
	35	36.04	8.14	42.55	9.53	49.06	10.69	52.05	12.02	52.96	11.74	54.16	11.86	55.82	11.97
	37	36.04	8.49	42.55	9.95	49.06	11.16	51.01	12.54	51.90	12.19	52.53	12.26	53.58	12.32
	39	36.04	8.79	42.55	10.29	49.06	11.55	50.64	12.98	51.37	12.62	51.99	12.78	52.47	12.87
	41	36.04	9.15	42.55	10.71	49.06	12.02	50.49	13.51	50.84	13.15	51.45	13.28	51.91	13.39
	43	36.04	9.60	42.55	11.25	49.06	12.62	49.97	14.18	50.31	13.85	50.91	13.97	51.63	14.03
	46	36.04	10.02	42.55	11.74	49.06	13.17	48.97	14.80	49.31	14.39	49.38	14.44	49.56	14.43
	48	36.04	10.37	42.55	12.15	49.06	13.63	48.62	15.32	48.80	14.89	48.87	15.06	48.53	15.08
	50	36.04	10.79	42.55	12.64	49.06	14.18	48.47	15.94	48.30	15.52	48.36	15.64	48.02	15.69
20%	10	24.03	2.59	28.37	3.03	32.70	3.40	34.70	3.82	37.78	3.74	40.44	3.77	42.05	3.81
	12	24.03	2.64	28.37	3.09	32.70	3.46	34.70	3.89	37.78	3.80	40.44	3.84	41.68	3.88
	14	24.03	2.68	28.37	3.14	32.70	3.53	34.70	3.96	37.78	3.87	40.08	3.91	41.30	3.95
	16	24.03	2.73	28.37	3.20	32.70	3.59	34.70	4.03	37.78	3.94	39.72	3.98	40.93	4.02
	18	24.03	2.78	28.37	3.25	32.70	3.65	34.70	4.10	37.78	4.01	39.35	4.05	40.56	4.09
	19	24.03	2.82	28.37	3.31	32.70	3.71	34.70	4.17	37.78	4.08	38.99	4.12	40.19	4.16
	21	24.03	2.87	28.37	3.36	32.70	3.77	34.70	4.24	37.78	4.14	38.63	4.18	39.82	4.23
	23	24.03	2.92	28.37	3.42	32.70	3.84	34.70	4.31	37.78	4.21	38.27	4.25	39.44	4.29
	25	24.03	3.01	28.37	3.53	32.70	3.96	34.70	4.45	37.43	4.35	37.91	4.39	39.07	4.43
	27	24.03	3.06	28.37	3.58	32.70	4.02	34.70	4.52	37.07	4.42	37.55	4.46	38.70	4.50
	29	24.03	3.77	28.37	4.41	32.70	4.95	34.70	5.56	36.72	5.43	37.19	5.49	38.33	5.54
	31	24.03	4.24	28.37	4.96	32.70	5.57	34.70	6.26	36.37	6.11	36.83	6.17	37.95	6.23
	33	24.03	4.47	28.37	5.24	32.70	5.88	34.70	6.61	35.66	6.45	36.47	6.52	37.58	6.58
	35	24.03	4.71	28.37	5.51	32.70	6.19	34.70	6.95	35.31	6.79	36.11	6.86	37.21	6.93
	37	24.03	4.91	28.37	5.76	32.70	6.46	34.01	7.26	34.60	7.05	35.02	7.09	35.72	7.13
	39	24.03	5.08	28.37	5.96	32.70	6.68	33.76	7.51	34.25	7.30	34.66	7.40	34.98	7.45
	41	24.03	5.29	28.37	6.20	32.70	6.95	33.66	7.82	33.89	7.61	34.30	7.68	34.61	7.74
	43	24.03	5.56	28.37	6.51	32.70	7.30	33.31	8.20	33.54	8.02	33.94	8.08	34.42	8.12
	46	24.03	5.80	28.37	6.79	32.70	7.62	32.65	8.56	32.87	8.32	32.92	8.35	33.04	8.35
	48	24.03	6.00	28.37	7.03	32.70	7.89	32.41	8.86	32.54	8.62	32.58	8.71	32.35	8.73
	50	24.03	6.24	28.37	7.31	32.70	8.21	32.31	9.22	32.20	8.98	32.24	9.05	32.01	9.08

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR640ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	135.91	23.51	160.44	27.54	184.98	30.90	196.26	35.17	213.67	33.92	228.71	34.26	237.82	34.59
	12	135.91	23.94	160.44	28.04	184.98	31.46	196.26	35.81	213.67	34.54	228.71	34.88	235.72	35.22
	14	135.91	24.37	160.44	28.54	184.98	32.02	196.26	36.45	213.67	35.16	226.67	35.50	233.61	35.85
	16	135.91	24.79	160.44	29.04	184.98	32.59	196.26	37.09	213.67	35.77	224.63	36.13	231.51	36.48
	18	135.91	25.22	160.44	29.54	184.98	33.15	196.26	37.73	213.67	36.39	222.59	36.75	229.40	37.11
	19	135.91	25.65	160.44	30.04	179.43	33.71	196.26	38.37	213.67	37.01	220.55	37.37	227.30	37.74
	21	135.91	26.08	160.44	30.55	184.98	34.27	196.26	39.01	213.67	37.62	218.50	38.00	225.19	38.37
	23	135.91	26.50	160.44	31.05	184.98	34.83	196.26	39.65	213.67	38.24	216.46	38.62	223.09	39.00
	25	135.91	27.36	160.44	32.05	184.98	35.96	196.26	40.93	211.68	39.47	214.42	39.86	220.98	40.26
	27	135.91	27.79	160.44	32.55	184.98	36.52	196.26	41.57	209.68	40.09	212.38	40.49	218.88	40.88
	29	135.91	34.20	160.44	40.06	184.98	44.94	196.26	51.16	207.68	49.34	210.34	49.83	216.77	50.32
	31	135.91	38.47	160.44	45.07	184.98	50.56	196.26	57.55	205.69	55.51	208.29	56.06	214.67	56.61
	33	135.91	40.61	160.44	47.57	184.98	53.37	196.26	60.75	201.69	58.59	206.25	59.17	212.56	59.75
	35	135.91	42.75	160.44	50.07	184.98	56.18	196.26	63.95	199.70	61.68	204.21	62.29	210.46	62.90
	37	135.91	44.61	160.44	52.26	184.98	58.63	192.34	66.74	195.70	64.06	198.08	64.38	202.04	64.70
	39	135.91	46.17	160.44	54.08	184.98	60.68	190.96	69.06	193.70	66.30	196.04	67.15	197.83	67.62
	41	135.91	48.05	160.44	56.28	184.98	63.15	190.37	71.88	191.71	69.08	194.00	69.76	195.73	70.32
	43	135.91	50.44	160.44	59.09	184.98	66.29	188.41	75.46	189.71	72.78	191.96	73.38	194.68	73.72
	46	135.91	52.64	160.44	61.66	184.98	69.18	184.64	78.75	185.92	75.59	186.20	75.84	186.89	75.83
	48	135.91	54.48	160.44	63.81	184.98	71.60	183.32	81.50	184.02	78.24	184.28	79.10	183.00	79.25
	50	135.91	56.70	160.44	66.41	184.98	74.51	182.76	84.82	182.12	81.51	182.36	82.18	181.05	82.42
120%	10	133.70	23.28	157.83	27.27	181.96	30.60	193.06	34.83	210.19	33.59	224.99	33.93	233.95	34.26
	12	133.70	23.71	157.83	27.77	181.96	31.16	193.06	35.46	210.19	34.20	224.99	34.54	231.88	34.88
	14	133.70	24.13	157.83	28.27	181.96	31.71	193.06	36.10	210.19	34.81	222.98	35.16	229.81	35.50
	16	133.70	24.55	157.83	28.76	181.96	32.27	193.06	36.73	210.19	35.43	220.97	35.78	227.74	36.13
	18	133.70	24.98	157.83	29.26	181.96	32.83	193.06	37.36	210.19	36.04	218.96	36.39	225.67	36.75
	19	133.70	25.40	157.83	29.75	181.96	33.38	193.06	38.00	210.19	36.65	216.95	37.01	223.60	37.37
	21	133.70	25.82	157.83	30.25	181.96	33.94	193.06	38.63	210.19	37.26	214.95	37.63	221.52	38.00
	23	133.70	26.25	157.83	30.74	181.96	34.49	193.06	39.26	210.19	37.87	212.94	38.24	219.45	38.62
	25	133.70	27.09	157.83	31.74	181.96	35.61	193.06	40.53	208.23	39.09	210.93	39.48	217.38	39.86
	27	133.70	27.52	157.83	32.23	181.96	36.16	193.06	41.16	206.27	39.70	208.92	40.09	215.31	40.49
	29	133.70	33.87	157.83	39.67	181.96	44.51	193.06	50.66	204.30	48.86	206.91	49.35	213.24	49.83
	31	133.70	38.10	157.83	44.63	181.96	50.07	193.06	56.99	202.34	54.97	204.90	55.51	211.17	56.06
	33	133.70	40.21	157.83	47.11	181.96	52.85	193.06	60.16	198.41	58.02	202.89	58.60	209.10	59.17
	35	133.70	42.33	157.83	49.59	181.96	55.64	193.06	63.33	196.44	61.08	200.88	61.68	207.03	62.29
	37	133.70	44.18	157.83	51.75	181.96	58.06	189.20	66.09	192.51	63.44	194.86	63.76	198.75	64.07
	39	133.70	45.72	157.83	53.56	181.96	60.09	187.85	68.39	190.55	65.66	192.85	66.49	194.61	66.96
	41	133.70	47.58	157.83	55.74	181.96	62.53	187.27	71.18	188.59	68.41	190.84	69.09	192.54	69.64
	43	133.70	49.95	157.83	58.51	181.96	65.65	185.34	74.73	186.62	72.07	188.83	72.66	191.51	73.00
	46	133.70	52.13	157.83	61.07	181.96	68.51	181.63	77.98	182.89	74.85	183.17	75.10	183.84	75.09
	48	133.70	53.95	157.83	63.20	181.96	70.90	180.34	80.70	181.02	77.48	181.28	78.33	180.01	78.48
	50	133.70	56.15	157.83	65.77	181.96	73.79	179.78	83.99	179.16	80.72	179.39	81.38	178.10	81.62
110%	10	131.48	22.73	155.22	26.62	178.95	29.87	189.87	34.00	206.71	32.79	221.26	33.12	230.07	33.44
	12	131.48	23.14	155.22	27.11	178.95	30.41	189.87	34.62	206.71	33.39	221.26	33.72	228.04	34.05
	14	131.48	23.55	155.22	27.59	178.95	30.96	189.87	35.24	206.71	33.99	219.29	34.32	226.00	34.66
	16	131.48	23.97	155.22	28.08	178.95	31.50	189.87	35.86	206.71	34.58	217.31	34.92	223.97	35.27
	18	131.48	24.38	155.22	28.56	178.95	32.04	189.87	36.47	206.71	35.18	215.34	35.53	221.93	35.87
	19	131.48	24.79	155.22	29.04	178.95	32.59	189.87	37.09	206.71	35.77	213.36	36.13	219.89	36.48
	21	131.48	25.21	155.22	29.53	178.95	33.13	189.87	37.71	206.71	36.37	211.39	36.73	217.86	37.09
	23	131.48	25.62	155.22	30.01	178.95	33.67	189.87	38.33	206.71	36.97	209.41	37.33	215.82	37.70
	25	131.48	26.45	155.22	30.98	178.95	34.76	189.87	39.56	204.78	38.16	207.44	38.54	213.79	38.92
	27	131.48	26.86	155.22	31.47	178.95	35.30	189.87	40.18	202.85	38.76	205.46	39.14	211.75	39.52
	29	131.48	33.06	155.22	38.73	178.95	43.45	189.87	49.46	200.92	47.70	203.48	48.17	209.71	48.64
	31	131.48	37.19	155.22	43.57	178.95	48.88	189.87	55.64	198.99	53.66	201.51	54.19	207.68	54.72
	33	131.48	39.26	155.22	45.99	178.95	51.60	189.87	58.73	195.12	56.64	199.53	57.20	205.64	57.76
	35	131.48	41.32	155.22	48.41	178.95	54.31	189.87	61.82	193.19	59.62	197.56	60.21	203.60	60.80
	37	131.48	43.13	155.22	50.52	178.95	56.68	186.07	64.52	189.33	61.93	191.63	62.24	195.46	62.54
	39	131.48	44.63	155.22	52.28	178.95	58.66	184.74	66.77	187.39	64.10	189.66	64.91	191.39	65.37
	41	131.48	46.45	155.22	54.41	178.95	61.05	184.17	69.49	185.46	66.78	187.68	67.44	189.35	67.98
	43	131.48	48.76	155.22	57.12	178.95	64.09	182.27	72.95	183.53	70.36	185.70	70.93	188.33	71.26
	46	131.48	50.89	155.22	59.61	178.95	66.88	178.63	76.13	179.86	73.07	180.13	73.32	180.80	73.30
	48	131.48	52.66	155.22	61.69	178.95	69.21	177.35	78.78	178.03	75.63	178.28	76.47	177.03	76.61
	50	131.48	54.81	155.22	64.20	178.95	72.03	176.80	81.99	176.19	78.80	176.42	79.44	175.15	79.67

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	123.96	21.52	146.33	25.21	168.71	28.29	179.00	30.75	194.88	31.05	208.60	31.36	216.90	31.67
	12	123.96	21.91	146.33	25.67	168.71	28.80	179.00	31.30	194.88	31.62	208.60	31.93	214.98	32.24
	14	123.96	22.30	146.33	26.13	168.71	29.31	179.00	31.86	194.88	32.18	206.74	32.50	213.07	32.82
	16	123.96	22.70	146.33	26.59	168.71	29.83	179.00	32.42	194.88	32.75	204.87	33.07	211.15	33.39
	18	123.96	23.09	146.33	27.04	168.71	30.34	179.00	32.98	194.88	33.31	203.01	33.64	209.23	33.97
	19	123.96	23.48	146.33	27.50	168.71	30.86	179.00	33.54	194.88	33.88	201.15	34.21	207.31	34.55
	21	123.96	23.87	146.33	27.96	168.71	31.37	179.00	34.10	194.88	34.44	199.29	34.78	205.39	35.12
	23	123.96	24.26	146.33	28.42	168.71	31.89	179.00	34.66	194.88	35.00	197.42	35.35	203.47	35.70
	25	123.96	25.04	146.33	29.34	168.71	32.91	179.00	35.78	193.06	36.13	195.56	36.49	201.55	36.85
	27	123.96	25.43	146.33	29.79	168.71	33.43	179.00	36.34	191.24	36.70	193.70	37.06	199.63	37.43
	29	123.96	31.30	146.33	36.67	168.71	41.14	179.00	44.72	189.42	45.17	191.84	45.61	197.71	46.06
	31	123.96	35.22	146.33	41.25	168.71	46.29	179.00	50.31	187.60	50.81	189.97	51.32	195.79	51.82
	33	123.96	37.17	146.33	43.55	168.71	48.86	179.00	53.11	183.95	53.64	188.11	54.17	193.87	54.70
	35	123.96	39.13	146.33	45.84	168.71	51.43	179.00	55.90	182.13	56.46	186.25	57.02	191.95	57.58
	37	123.96	40.84	146.33	47.84	168.71	53.67	175.42	58.34	178.49	58.64	180.66	58.93	184.27	59.22
	39	123.96	42.26	146.33	49.51	168.71	55.54	174.17	60.37	176.67	60.69	178.80	61.47	180.43	61.90
	41	123.96	43.98	146.33	51.52	168.71	57.81	173.63	62.83	174.85	63.23	176.94	63.86	178.51	64.37
	43	123.96	46.17	146.33	54.09	168.71	60.69	171.84	65.96	173.03	66.62	175.07	67.17	177.55	67.48
	46	123.96	48.19	146.33	56.45	168.71	63.33	168.40	68.84	169.57	69.19	169.82	69.42	170.45	69.41
	48	123.96	49.87	146.33	58.42	168.71	65.54	167.20	71.24	167.84	71.62	168.07	72.41	166.90	72.54
	50	123.96	51.90	146.33	60.80	168.71	68.21	166.68	74.14	166.10	74.62	166.32	75.23	165.13	75.44
90%	10	111.56	18.07	131.70	21.16	151.84	23.74	161.10	27.03	175.39	26.07	187.74	26.32	195.21	26.58
	12	111.56	18.39	131.70	21.55	151.84	24.17	161.10	27.52	175.39	26.54	187.74	26.80	193.49	27.06
	14	111.56	18.72	131.70	21.93	151.84	24.61	161.10	28.01	175.39	27.01	186.06	27.28	191.76	27.55
	16	111.56	19.05	131.70	22.32	151.84	25.04	161.10	28.50	175.39	27.49	184.39	27.76	190.03	28.03
	18	111.56	19.38	131.70	22.70	151.84	25.47	161.10	28.99	175.39	27.96	182.71	28.24	188.30	28.51
	19	111.56	19.71	131.70	23.09	151.84	25.90	161.10	29.48	175.39	28.43	181.03	28.72	186.58	29.00
	21	111.56	20.04	131.70	23.47	151.84	26.33	161.10	29.97	175.39	28.91	179.36	29.19	184.85	29.48
	23	111.56	20.36	131.70	23.86	151.84	26.76	161.10	30.46	175.39	29.38	177.68	29.67	183.12	29.96
	25	111.56	21.02	131.70	24.62	151.84	27.63	161.10	31.45	173.75	30.33	176.01	30.63	181.39	30.93
	27	111.56	21.35	131.70	25.01	151.84	28.06	161.10	31.94	172.12	30.80	174.33	31.11	179.67	31.41
	29	111.56	26.28	131.70	30.78	151.84	34.53	161.10	39.31	170.48	37.91	172.65	38.29	177.94	38.66
	31	111.56	29.56	131.70	34.63	151.84	38.85	161.10	44.22	168.84	42.65	170.98	43.07	176.21	43.50
	33	111.56	31.20	131.70	36.55	151.84	41.01	161.10	46.68	165.56	45.02	169.30	45.47	174.48	45.91
	35	111.56	32.85	131.70	38.48	151.84	43.17	161.10	49.14	163.92	47.39	167.62	47.86	172.76	48.33
	37	111.56	34.28	131.70	40.15	151.84	45.05	157.88	51.28	160.64	49.22	162.60	49.47	165.85	49.71
	39	111.56	35.47	131.70	41.55	151.84	46.62	156.75	53.07	159.00	50.95	160.92	51.59	162.39	51.95
	41	111.56	36.92	131.70	43.25	151.84	48.52	156.27	55.23	157.36	53.08	159.24	53.60	160.66	54.03
	43	111.56	38.76	131.70	45.40	151.84	50.94	154.66	57.98	155.72	55.92	157.57	56.38	159.80	56.64
	46	111.56	40.45	131.70	47.38	151.84	53.16	151.56	60.51	152.61	58.08	152.84	58.27	153.41	58.26
	48	111.56	41.86	131.70	49.03	151.84	55.01	150.48	62.62	151.05	60.12	151.26	60.78	150.21	60.89
	50	111.56	43.56	131.70	51.03	151.84	57.26	150.02	65.17	149.49	62.63	149.69	63.15	148.61	63.33
80%	10	99.17	14.80	117.07	17.34	134.97	19.46	143.20	22.15	155.91	21.36	166.88	21.57	173.52	21.78
	12	99.17	15.07	117.07	17.66	134.97	19.81	143.20	22.55	155.91	21.75	166.88	21.96	171.99	22.18
	14	99.17	15.34	117.07	17.97	134.97	20.16	143.20	22.95	155.91	22.14	165.39	22.36	170.45	22.58
	16	99.17	15.61	117.07	18.29	134.97	20.52	143.20	23.35	155.91	22.53	163.90	22.75	168.92	22.97
	18	99.17	15.88	117.07	18.60	134.97	20.87	143.20	23.76	155.91	22.91	162.41	23.14	167.38	23.37
	19	99.17	16.15	117.07	18.92	134.97	21.23	143.20	24.16	155.91	23.30	160.92	23.53	165.85	23.76
	21	99.17	16.42	117.07	19.23	134.97	21.58	143.20	24.56	155.91	23.69	159.43	23.93	164.31	24.16
	23	99.17	16.69	117.07	19.55	134.97	21.93	143.20	24.97	155.91	24.08	157.94	24.32	162.77	24.56
	25	99.17	17.23	117.07	20.18	134.97	22.64	143.20	25.77	154.45	24.86	156.45	25.10	161.24	25.35
	27	99.17	17.50	117.07	20.50	134.97	22.99	143.20	26.17	152.99	25.24	154.96	25.49	159.70	25.74
	29	99.17	21.53	117.07	25.22	134.97	28.30	143.20	32.21	151.53	31.07	153.47	31.38	158.17	31.68
	31	99.17	24.23	117.07	28.38	134.97	31.84	143.20	36.24	150.08	34.95	151.98	35.30	156.63	35.65
	33	99.17	25.57	117.07	29.95	134.97	33.61	143.20	38.25	147.16	36.90	150.49	37.26	155.10	37.63
	35	99.17	26.92	117.07	31.53	134.97	35.38	143.20	40.27	145.71	38.84	149.00	39.22	153.56	39.61
	37	99.17	28.09	117.07	32.91	134.97	36.92	140.34	42.02	142.79	40.34	144.53	40.54	147.42	40.74
	39	99.17	29.07	117.07	34.05	134.97	38.21	139.33	43.49	141.33	41.75	143.04	42.28	144.35	42.58
	41	99.17	30.25	117.07	35.44	134.97	39.76	138.90	45.26	139.88	43.50	141.55	43.93	142.81	44.28
	43	99.17	31.76	117.07	37.21	134.97	41.74	137.47	47.52	138.42	45.83	140.06	46.20	142.04	46.42
	46	99.17	33.15	117.07	38.83	134.97	43.56	134.72	49.59	135.65	47.60	135.86	47.76	136.36	47.75
	48	99.17	34.30	117.07	40.18	134.97	45.08	133.76	51.32	134.27	49.26	134.46	49.81	133.52	49.90
	50	99.17	35.70	117.07	41.82	134.97	46.92	133.35	53.41	132.88	51.33	133.06	51.75	132.10	51.90

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	86.77	11.77	102.43	13.79	118.10	15.47	125.30	17.61	136.42	16.98	146.02	17.15	151.83	17.32
	12	86.77	11.99	102.43	14.04	118.10	15.75	125.30	17.93	136.42	17.29	146.02	17.46	150.49	17.64
	14	86.77	12.20	102.43	14.29	118.10	16.03	125.30	18.25	136.42	17.60	144.72	17.78	149.15	17.95
	16	86.77	12.41	102.43	14.54	118.10	16.32	125.30	18.57	136.42	17.91	143.41	18.09	147.80	18.27
	18	86.77	12.63	102.43	14.79	118.10	16.60	125.30	18.89	136.42	18.22	142.11	18.40	146.46	18.58
	19	86.77	12.84	102.43	15.04	118.10	16.88	125.30	19.21	136.42	18.53	140.80	18.71	145.11	18.90
	21	86.77	13.06	102.43	15.29	118.10	17.16	125.30	19.53	136.42	18.84	139.50	19.02	143.77	19.21
	23	86.77	13.27	102.43	15.54	118.10	17.44	125.30	19.85	136.42	19.15	138.20	19.34	142.43	19.53
	25	86.77	13.70	102.43	16.05	118.10	18.00	125.30	20.49	135.14	19.76	136.89	19.96	141.08	20.16
	27	86.77	13.91	102.43	16.30	118.10	18.28	125.30	20.81	133.87	20.07	135.59	20.27	139.74	20.47
	29	86.77	17.12	102.43	20.06	118.10	22.50	125.30	25.61	132.59	24.71	134.29	24.95	138.40	25.19
	31	86.77	19.26	102.43	22.56	118.10	25.32	125.30	28.82	131.32	27.79	132.98	28.07	137.05	28.34
	33	86.77	20.33	102.43	23.82	118.10	26.72	125.30	30.42	128.77	29.34	131.68	29.63	135.71	29.92
	35	86.77	21.40	102.43	25.07	118.10	28.13	125.30	32.02	127.49	30.88	130.37	31.19	134.37	31.49
	37	86.77	22.34	102.43	26.17	118.10	29.36	122.79	33.41	124.94	32.07	126.46	32.24	128.99	32.39
	39	86.77	23.12	102.43	27.08	118.10	30.38	121.92	34.58	123.67	33.20	125.16	33.62	126.30	33.85
	41	86.77	24.06	102.43	28.18	118.10	31.62	121.54	35.99	122.39	34.59	123.86	34.93	124.96	35.21
	43	86.77	25.26	102.43	29.58	118.10	33.19	120.29	37.78	121.12	36.44	122.55	36.74	124.29	36.91
	46	86.77	26.36	102.43	30.87	118.10	34.64	117.88	39.43	118.70	37.85	118.88	37.97	119.32	37.97
	48	86.77	27.28	102.43	31.95	118.10	35.85	117.04	40.80	117.48	39.17	117.65	39.60	116.83	39.68
	50	86.77	28.39	102.43	33.25	118.10	37.31	116.68	42.47	116.27	40.81	116.42	41.15	115.59	41.26
60%	10	74.37	8.93	87.80	10.47	101.22	11.74	107.40	13.37	116.93	12.89	125.16	13.02	130.14	13.15
	12	74.37	9.10	87.80	10.66	101.22	11.96	107.40	13.61	116.93	13.13	125.16	13.26	128.99	13.39
	14	74.37	9.26	87.80	10.85	101.22	12.17	107.40	13.85	116.93	13.36	124.04	13.49	127.84	13.62
	16	74.37	9.42	87.80	11.04	101.22	12.38	107.40	14.10	116.93	13.59	122.92	13.73	126.69	13.86
	18	74.37	9.58	87.80	11.23	101.22	12.60	107.40	14.34	116.93	13.83	121.81	13.97	125.54	14.10
	19	74.37	9.75	87.80	11.42	101.22	12.81	107.40	14.58	116.93	14.06	120.69	14.20	124.38	14.34
	21	74.37	9.91	87.80	11.61	101.22	13.02	107.40	14.82	116.93	14.30	119.57	14.44	123.23	14.58
	23	74.37	10.07	87.80	11.80	101.22	13.24	107.40	15.07	116.93	14.53	118.45	14.68	122.08	14.82
	25	74.37	10.40	87.80	12.18	101.22	13.66	107.40	15.55	115.84	15.00	117.34	15.15	120.93	15.30
	27	74.37	10.56	87.80	12.37	101.22	13.88	107.40	15.80	114.74	15.24	116.22	15.39	119.78	15.54
	29	74.37	13.00	87.80	15.22	101.22	17.08	107.40	19.44	113.65	18.75	115.10	18.94	118.63	19.12
	31	74.37	14.62	87.80	17.13	101.22	19.22	107.40	21.87	112.56	21.10	113.98	21.30	117.47	21.51
	33	74.37	15.43	87.80	18.08	101.22	20.28	107.40	23.09	110.37	22.27	112.87	22.49	116.32	22.71
	35	74.37	16.24	87.80	19.03	101.22	21.35	107.40	24.30	109.28	23.44	111.75	23.67	115.17	23.90
	37	74.37	16.95	87.80	19.86	101.22	22.28	105.25	25.36	107.09	24.34	108.40	24.47	110.56	24.59
	39	74.37	17.54	87.80	20.55	101.22	23.06	104.50	26.25	106.00	25.20	107.28	25.52	108.26	25.70
	41	74.37	18.26	87.80	21.39	101.22	24.00	104.18	27.32	104.91	26.25	106.16	26.51	107.11	26.72
	43	74.37	19.17	87.80	22.46	101.22	25.19	103.10	28.68	103.82	27.66	105.04	27.88	106.53	28.01
	46	74.37	20.00	87.80	23.43	101.22	26.29	101.04	29.93	101.74	28.73	101.89	28.82	102.27	28.82
	48	74.37	20.70	87.80	24.25	101.22	27.21	100.32	30.97	100.70	29.73	100.84	30.06	100.14	30.12
	50	74.37	21.55	87.80	25.24	101.22	28.32	100.01	32.23	99.66	30.98	99.79	31.23	99.08	31.32
50%	10	61.98	6.29	73.17	7.37	84.35	8.27	89.50	9.41	97.44	9.08	104.30	9.17	108.45	9.26
	12	61.98	6.41	73.17	7.51	84.35	8.42	89.50	9.59	97.44	9.25	104.30	9.34	107.49	9.43
	14	61.98	6.52	73.17	7.64	84.35	8.57	89.50	9.76	97.44	9.41	103.37	9.50	106.53	9.60
	16	61.98	6.64	73.17	7.77	84.35	8.72	89.50	9.93	97.44	9.58	102.44	9.67	105.57	9.77
	18	61.98	6.75	73.17	7.91	84.35	8.87	89.50	10.10	97.44	9.74	101.51	9.84	104.61	9.93
	19	61.98	6.87	73.17	8.04	84.35	9.02	89.50	10.27	97.44	9.91	100.57	10.00	103.65	10.10
	21	61.98	6.98	73.17	8.18	84.35	9.17	89.50	10.44	97.44	10.07	99.64	10.17	102.69	10.27
	23	61.98	7.09	73.17	8.31	84.35	9.32	89.50	10.61	97.44	10.24	98.71	10.34	101.73	10.44
	25	61.98	7.32	73.17	8.58	84.35	9.62	89.50	10.96	96.53	10.57	97.78	10.67	100.77	10.78
	27	61.98	7.44	73.17	8.71	84.35	9.78	89.50	11.13	95.62	10.73	96.85	10.84	99.81	10.94
	29	61.98	9.15	73.17	10.72	84.35	12.03	89.50	13.69	94.71	13.21	95.92	13.34	98.85	13.47
	31	61.98	10.30	73.17	12.06	84.35	13.53	89.50	15.41	93.80	14.86	94.99	15.01	97.89	15.15
	33	61.98	10.87	73.17	12.73	84.35	14.29	89.50	16.26	91.98	15.68	94.06	15.84	96.94	16.00
	35	61.98	11.44	73.17	13.40	84.35	15.04	89.50	17.12	91.07	16.51	93.12	16.67	95.98	16.84
	37	61.98	11.94	73.17	13.99	84.35	15.69	87.71	17.86	89.24	17.15	90.33	17.23	92.14	17.32
	39	61.98	12.36	73.17	14.48	84.35	16.24	87.08	18.49	88.33	17.75	89.40	17.97	90.22	18.10
	41	61.98	12.86	73.17	15.07	84.35	16.90	86.82	19.24	87.42	18.49	88.47	18.67	89.26	18.82
	43	61.98	13.50	73.17	15.82	84.35	17.75	85.92	20.20	86.51	19.48	87.54	19.64	88.78	19.73
	46	61.98	14.09	73.17	16.51	84.35	18.52	84.20	21.08	84.78	20.23	84.91	20.30	85.23	20.30
	48	61.98	14.58	73.17	17.08	84.35	19.17	83.60	21.82	83.92	20.94	84.04	21.17	83.45	21.21
	50	61.98	15.18	73.17	17.78	84.35	19.95	83.34	22.70	83.05	21.82	83.16	22.00	82.56	22.06

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	49.58	4.99	58.53	5.84	67.48	6.56	71.60	7.46	77.95	7.20	83.44	7.27	86.76	7.34
	12	49.58	5.08	58.53	5.95	67.48	6.68	71.60	7.60	77.95	7.33	83.44	7.40	85.99	7.47
	14	49.58	5.17	58.53	6.06	67.48	6.80	71.60	7.73	77.95	7.46	82.69	7.53	85.23	7.61
	16	49.58	5.26	58.53	6.16	67.48	6.91	71.60	7.87	77.95	7.59	81.95	7.67	84.46	7.74
	18	49.58	5.35	58.53	6.27	67.48	7.03	71.60	8.01	77.95	7.72	81.20	7.80	83.69	7.87
	19	49.58	5.44	58.53	6.38	67.48	7.15	71.60	8.14	77.95	7.85	80.46	7.93	82.92	8.01
	21	49.58	5.53	58.53	6.48	67.48	7.27	71.60	8.28	77.95	7.98	79.71	8.06	82.15	8.14
	23	49.58	5.62	58.53	6.59	67.48	7.39	71.60	8.41	77.95	8.11	78.97	8.20	81.39	8.28
	25	49.58	5.81	58.53	6.80	67.48	7.63	71.60	8.68	77.22	8.38	78.22	8.46	80.62	8.54
	27	49.58	5.90	58.53	6.91	67.48	7.75	71.60	8.82	76.50	8.51	77.48	8.59	79.85	8.68
	29	49.58	7.26	58.53	8.50	67.48	9.54	71.60	10.86	75.77	10.47	76.73	10.57	79.08	10.68
	31	49.58	8.16	58.53	9.56	67.48	10.73	71.60	12.21	75.04	11.78	75.99	11.90	78.32	12.01
	33	49.58	8.62	58.53	10.09	67.48	11.33	71.60	12.89	73.58	12.43	75.24	12.56	77.55	12.68
	35	49.58	9.07	58.53	10.63	67.48	11.92	71.60	13.57	72.85	13.09	74.50	13.22	76.78	13.35
	37	49.58	9.47	58.53	11.09	67.48	12.44	70.17	14.16	71.40	13.59	72.26	13.66	73.71	13.73
	39	49.58	9.80	58.53	11.48	67.48	12.88	69.67	14.66	70.67	14.07	71.52	14.25	72.17	14.35
	41	49.58	10.20	58.53	11.94	67.48	13.40	69.45	15.25	69.94	14.66	70.77	14.80	71.41	14.92
	43	49.58	10.70	58.53	12.54	67.48	14.07	68.74	16.01	69.21	15.44	70.03	15.57	71.02	15.64
	46	49.58	11.17	58.53	13.09	67.48	14.68	67.36	16.71	67.83	16.04	67.93	16.09	68.18	16.09
	48	49.58	11.56	58.53	13.54	67.48	15.19	66.88	17.29	67.13	16.60	67.23	16.79	66.76	16.82
	50	49.58	12.03	58.53	14.09	67.48	15.81	66.67	18.00	66.44	17.30	66.53	17.44	66.05	17.49
30%	10	37.19	4.57	43.90	5.35	50.61	6.00	53.70	6.83	58.46	6.59	62.58	6.65	65.07	6.72
	12	37.19	4.65	43.90	5.44	50.61	6.11	53.70	6.95	58.46	6.71	62.58	6.77	64.50	6.84
	14	37.19	4.73	43.90	5.54	50.61	6.22	53.70	7.08	58.46	6.83	62.02	6.89	63.92	6.96
	16	37.19	4.81	43.90	5.64	50.61	6.33	53.70	7.20	58.46	6.95	61.46	7.01	63.34	7.08
	18	37.19	4.90	43.90	5.74	50.61	6.44	53.70	7.33	58.46	7.07	60.90	7.14	62.77	7.21
	19	37.19	4.98	43.90	5.83	50.61	6.55	53.70	7.45	58.46	7.19	60.34	7.26	62.19	7.33
	21	37.19	5.06	43.90	5.93	50.61	6.65	53.70	7.57	58.46	7.31	59.79	7.38	61.62	7.45
	23	37.19	5.15	43.90	6.03	50.61	6.76	53.70	7.70	58.46	7.43	59.23	7.50	61.04	7.57
	25	37.19	5.31	43.90	6.22	50.61	6.98	53.70	7.95	57.92	7.66	58.67	7.74	60.46	7.82
	27	37.19	5.40	43.90	6.32	50.61	7.09	53.70	8.07	57.37	7.78	58.11	7.86	59.89	7.94
	29	37.19	6.64	43.90	7.78	50.61	8.73	53.70	9.93	56.83	9.58	57.55	9.68	59.31	9.77
	31	37.19	7.47	43.90	8.75	50.61	9.82	53.70	11.18	56.28	10.78	56.99	10.89	58.74	10.99
	33	37.19	7.89	43.90	9.24	50.61	10.36	53.70	11.80	55.19	11.38	56.43	11.49	58.16	11.60
	35	37.19	8.30	43.90	9.72	50.61	10.91	53.70	12.42	54.64	11.98	55.87	12.09	57.59	12.21
	37	37.19	8.66	43.90	10.15	50.61	11.38	52.63	12.96	53.55	12.44	54.20	12.50	55.28	12.56
	39	37.19	8.96	43.90	10.50	50.61	11.78	52.25	13.41	53.00	12.87	53.64	13.04	54.13	13.13
	41	37.19	9.33	43.90	10.93	50.61	12.26	52.09	13.96	52.45	13.41	53.08	13.55	53.55	13.65
	43	37.19	9.79	43.90	11.47	50.61	12.87	51.55	14.65	51.91	14.13	52.52	14.25	53.27	14.31
	46	37.19	10.22	43.90	11.97	50.61	13.43	50.52	15.29	50.87	14.68	50.95	14.73	51.14	14.72
	48	37.19	10.58	43.90	12.39	50.61	13.90	50.16	15.82	50.35	15.19	50.42	15.36	50.07	15.39
	50	37.19	11.01	43.90	12.90	50.61	14.47	50.01	16.47	49.83	15.83	49.90	15.96	49.54	16.00
20%	10	24.79	2.64	29.27	3.09	33.74	3.47	35.80	3.95	38.98	3.81	41.72	3.85	43.38	3.89
	12	24.79	2.69	29.27	3.15	33.74	3.53	35.80	4.02	38.98	3.88	41.72	3.92	43.00	3.96
	14	24.79	2.74	29.27	3.21	33.74	3.60	35.80	4.09	38.98	3.95	41.35	3.99	42.61	4.03
	16	24.79	2.79	29.27	3.26	33.74	3.66	35.80	4.17	38.98	4.02	40.97	4.06	42.23	4.10
	18	24.79	2.83	29.27	3.32	33.74	3.72	35.80	4.24	38.98	4.09	40.60	4.13	41.85	4.17
	19	24.79	2.88	29.27	3.38	33.74	3.79	35.80	4.31	38.98	4.16	40.23	4.20	41.46	4.24
	21	24.79	2.93	29.27	3.43	33.74	3.85	35.80	4.38	38.98	4.23	39.86	4.27	41.08	4.31
	23	24.79	2.98	29.27	3.49	33.74	3.91	35.80	4.45	38.98	4.30	39.48	4.34	40.69	4.38
	25	24.79	3.07	29.27	3.60	33.74	4.04	35.80	4.60	38.61	4.43	39.11	4.48	40.31	4.52
	27	24.79	3.12	29.27	3.66	33.74	4.10	35.80	4.67	38.25	4.50	38.74	4.55	39.93	4.59
	29	24.79	3.84	29.27	4.50	33.74	5.05	35.80	5.75	37.88	5.54	38.37	5.60	39.54	5.65
	31	24.79	4.32	29.27	5.06	33.74	5.68	35.80	6.47	37.52	6.24	37.99	6.30	39.16	6.36
	33	24.79	4.56	29.27	5.34	33.74	6.00	35.80	6.82	36.79	6.58	37.62	6.65	38.77	6.71
	35	24.79	4.80	29.27	5.63	33.74	6.31	35.80	7.18	36.43	6.93	37.25	7.00	38.39	7.07
	37	24.79	5.01	29.27	5.87	33.74	6.59	35.08	7.50	35.70	7.20	36.13	7.23	36.85	7.27
	39	24.79	5.19	29.27	6.08	33.74	6.82	34.83	7.76	35.33	7.45	35.76	7.54	36.09	7.60
	41	24.79	5.40	29.27	6.32	33.74	7.09	34.73	8.08	34.97	7.76	35.39	7.84	35.70	7.90
	43	24.79	5.67	29.27	6.64	33.74	7.45	34.37	8.48	34.61	8.18	35.01	8.24	35.51	8.28
	46	24.79	5.91	29.27	6.93	33.74	7.77	33.68	8.85	33.91	8.49	33.96	8.52	34.09	8.52
	48	24.79	6.12	29.27	7.17	33.74	8.04	33.44	9.16	33.57	8.79	33.61	8.89	33.38	8.90
	50	24.79	6.37	29.27	7.46	33.74	8.37	33.34	9.53	33.22	9.16	33.26	9.23	33.03	9.26

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR660ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	140.09	23.97	165.37	28.08	190.66	31.51	202.29	36.30	220.24	34.59	235.74	34.93	245.13	35.27
	12	140.09	24.41	165.37	28.59	190.66	32.08	202.29	36.96	220.24	35.22	235.74	35.57	242.96	35.92
	14	140.09	24.85	165.37	29.10	190.66	32.65	202.29	37.62	220.24	35.85	233.64	36.20	240.79	36.56
	16	140.09	25.28	165.37	29.61	190.66	33.23	202.29	38.28	220.24	36.48	231.53	36.84	238.62	37.20
	18	140.09	25.72	165.37	30.13	190.66	33.80	202.29	38.94	220.24	37.11	229.43	37.47	236.45	37.84
	19	140.09	26.15	165.37	30.64	184.94	34.37	202.29	39.60	220.24	37.73	227.32	38.11	234.28	38.48
	21	140.09	26.59	165.37	31.15	190.66	34.94	202.29	40.26	220.24	38.36	225.22	38.74	232.11	39.12
	23	140.09	27.02	165.37	31.66	190.66	35.52	202.29	40.92	220.24	38.99	223.11	39.38	229.94	39.76
	25	140.09	27.90	165.37	32.68	190.66	36.66	202.29	42.24	218.18	40.25	221.01	40.65	227.77	41.05
	27	140.09	28.33	165.37	33.19	190.66	37.24	202.29	42.90	216.12	40.88	218.90	41.28	225.60	41.69
	29	140.09	34.87	165.37	40.85	190.66	45.83	202.29	52.80	214.06	50.31	216.80	50.81	223.43	51.31
	31	140.09	39.23	165.37	45.95	190.66	51.56	202.29	59.40	212.01	56.60	214.69	57.16	221.27	57.72
	33	140.09	41.41	165.37	48.51	190.66	54.42	202.29	62.70	207.89	59.75	212.59	60.34	219.10	60.93
	35	140.09	43.59	165.37	51.06	190.66	57.29	202.29	66.00	205.83	62.89	210.48	63.51	216.93	64.14
	37	140.09	45.49	165.37	53.29	190.66	59.78	198.25	68.88	201.71	65.32	204.17	65.65	208.25	65.97
	39	140.09	47.07	165.37	55.14	190.66	61.87	196.83	71.28	199.66	67.61	202.06	68.47	203.91	68.95
	41	140.09	48.99	165.37	57.39	190.66	64.39	196.22	74.19	197.60	70.44	199.96	71.14	201.74	71.70
	43	140.09	51.43	165.37	60.25	190.66	67.60	194.20	77.89	195.54	74.21	197.85	74.82	200.66	75.17
	46	140.09	53.68	165.37	62.88	190.66	70.55	190.32	81.28	191.63	77.08	191.92	77.33	192.63	77.32
	48	140.09	55.55	165.37	65.07	190.66	73.01	188.96	84.12	189.67	79.78	189.94	80.65	188.62	80.81
	50	140.09	57.81	165.37	67.72	190.66	75.98	188.37	87.54	187.72	83.12	187.96	83.80	186.61	84.04
120%	10	137.81	23.74	162.68	27.81	187.55	31.20	199.00	35.95	216.65	34.25	231.90	34.59	241.14	34.93
	12	137.81	24.17	162.68	28.32	187.55	31.77	199.00	36.60	216.65	34.88	231.90	35.22	239.00	35.57
	14	137.81	24.60	162.68	28.82	187.55	32.34	199.00	37.26	216.65	35.50	229.83	35.85	236.87	36.20
	16	137.81	25.04	162.68	29.33	187.55	32.90	199.00	37.91	216.65	36.12	227.76	36.48	234.73	36.84
	18	137.81	25.47	162.68	29.83	187.55	33.47	199.00	38.56	216.65	36.75	225.69	37.11	232.60	37.47
	19	137.81	25.90	162.68	30.34	187.55	34.04	199.00	39.22	216.65	37.37	223.62	37.74	230.47	38.11
	21	137.81	26.33	162.68	30.84	187.55	34.61	199.00	39.87	216.65	37.99	221.55	38.37	228.33	38.74
	23	137.81	26.76	162.68	31.35	187.55	35.17	199.00	40.53	216.65	38.61	219.48	39.00	226.20	39.38
	25	137.81	27.63	162.68	32.36	187.55	36.31	199.00	41.83	214.63	39.86	217.41	40.25	224.06	40.65
	27	137.81	28.06	162.68	32.87	187.55	36.87	199.00	42.49	212.60	40.48	215.34	40.88	221.93	41.28
	29	137.81	34.53	162.68	40.45	187.55	45.38	199.00	52.29	210.58	49.82	213.27	50.32	219.80	50.81
	31	137.81	38.85	162.68	45.51	187.55	51.06	199.00	58.83	208.55	56.05	211.20	56.61	217.66	57.16
	33	137.81	41.01	162.68	48.04	187.55	53.89	199.00	62.10	204.50	59.17	209.13	59.75	215.53	60.34
	35	137.81	43.16	162.68	50.56	187.55	56.73	199.00	65.36	202.48	62.28	207.06	62.90	213.39	63.51
	37	137.81	45.05	162.68	52.77	187.55	59.20	195.02	68.21	198.43	64.68	200.84	65.01	204.86	65.33
	39	137.81	46.62	162.68	54.61	187.55	61.27	193.62	70.59	196.40	66.95	198.77	67.80	200.59	68.28
	41	137.81	48.52	162.68	56.83	187.55	63.77	193.03	73.47	194.38	69.75	196.70	70.44	198.46	71.01
	43	137.81	50.93	162.68	59.67	187.55	66.94	191.04	77.13	192.35	73.49	194.63	74.09	197.39	74.44
	46	137.81	53.15	162.68	62.27	187.55	69.86	187.22	80.49	188.51	76.33	188.79	76.58	189.49	76.57
	48	137.81	55.01	162.68	64.44	187.55	72.30	185.88	83.30	186.58	79.00	186.85	79.87	185.55	80.02
	50	137.81	57.25	162.68	67.06	187.55	75.24	185.31	86.69	184.66	82.31	184.90	82.98	183.57	83.22
110%	10	135.52	23.18	159.99	27.15	184.45	30.46	195.70	35.09	213.07	33.44	228.06	33.77	237.14	34.10
	12	135.52	23.60	159.99	27.64	184.45	31.01	195.70	35.73	213.07	34.05	228.06	34.38	235.04	34.72
	14	135.52	24.02	159.99	28.14	184.45	31.57	195.70	36.37	213.07	34.65	226.03	35.00	232.95	35.34
	16	135.52	24.44	159.99	28.63	184.45	32.12	195.70	37.01	213.07	35.26	223.99	35.61	230.85	35.96
	18	135.52	24.86	159.99	29.12	184.45	32.67	195.70	37.65	213.07	35.87	221.95	36.23	228.75	36.58
	19	135.52	25.28	159.99	29.62	184.45	33.23	195.70	38.28	213.07	36.48	219.92	36.84	226.65	37.20
	21	135.52	25.70	159.99	30.11	184.45	33.78	195.70	38.92	213.07	37.09	217.88	37.45	224.55	37.82
	23	135.52	26.12	159.99	30.60	184.45	34.34	195.70	39.56	213.07	37.69	215.85	38.07	222.45	38.44
	25	135.52	26.97	159.99	31.59	184.45	35.44	195.70	40.84	211.07	38.91	213.81	39.30	220.35	39.68
	27	135.52	27.39	159.99	32.08	184.45	36.00	195.70	41.47	209.08	39.52	211.77	39.91	218.26	40.30
	29	135.52	33.71	159.99	39.49	184.45	44.30	195.70	51.05	207.09	48.64	209.74	49.12	216.16	49.60
	31	135.52	37.92	159.99	44.42	184.45	49.84	195.70	57.43	205.10	54.72	207.70	55.26	214.06	55.80
	33	135.52	40.03	159.99	46.89	184.45	52.61	195.70	60.62	201.12	57.76	205.66	58.33	211.96	58.90
	35	135.52	42.14	159.99	49.36	184.45	55.38	195.70	63.81	199.13	60.80	203.63	61.40	209.86	62.00
	37	135.52	43.97	159.99	51.51	184.45	57.79	191.79	66.59	195.14	63.14	197.52	63.46	201.47	63.77
	39	135.52	45.51	159.99	53.31	184.45	59.81	190.42	68.91	193.15	65.36	195.48	66.19	197.27	66.65
	41	135.52	47.36	159.99	55.48	184.45	62.25	189.83	71.72	191.16	68.09	193.45	68.77	195.17	69.32
	43	135.52	49.72	159.99	58.25	184.45	65.35	187.87	75.29	189.17	71.74	191.41	72.33	194.12	72.67
	46	135.52	51.89	159.99	60.78	184.45	68.20	184.12	78.58	185.39	74.51	185.67	74.76	186.36	74.74
	48	135.52	53.70	159.99	62.90	184.45	70.58	182.80	81.32	183.50	77.12	183.75	77.97	182.47	78.12
	50	135.52	55.89	159.99	65.47	184.45	73.45	182.24	84.63	181.60	80.35	181.84	81.01	180.53	81.24

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	127.77	21.95	150.83	25.71	173.89	28.84	184.50	31.35	200.87	31.66	215.01	31.98	223.57	32.29
	12	127.77	22.34	150.83	26.17	173.89	29.37	184.50	31.92	200.87	32.24	215.01	32.56	221.59	32.88
	14	127.77	22.74	150.83	26.64	173.89	29.89	184.50	32.49	200.87	32.81	213.09	33.14	219.61	33.46
	16	127.77	23.14	150.83	27.11	173.89	30.42	184.50	33.06	200.87	33.39	211.17	33.72	217.63	34.05
	18	127.77	23.54	150.83	27.58	173.89	30.94	184.50	33.63	200.87	33.97	209.25	34.30	215.65	34.64
	19	127.77	23.94	150.83	28.04	173.89	31.46	184.50	34.20	200.87	34.54	207.33	34.88	213.68	35.23
	21	127.77	24.34	150.83	28.51	173.89	31.99	184.50	34.77	200.87	35.12	205.41	35.47	211.70	35.81
	23	127.77	24.74	150.83	28.98	173.89	32.51	184.50	35.34	200.87	35.69	203.49	36.05	209.72	36.40
	25	127.77	25.54	150.83	29.91	173.89	33.56	184.50	36.48	198.99	36.84	201.57	37.21	207.74	37.57
	27	127.77	25.94	150.83	30.38	173.89	34.09	184.50	37.05	197.12	37.42	199.65	37.79	205.76	38.16
	29	127.77	31.92	150.83	37.39	173.89	41.95	184.50	45.60	195.24	46.06	197.73	46.51	203.78	46.97
	31	127.77	35.91	150.83	42.07	173.89	47.20	184.50	51.30	193.36	51.81	195.81	52.33	201.81	52.84
	33	127.77	37.91	150.83	44.40	173.89	49.82	184.50	54.15	189.61	54.69	193.89	55.23	199.83	55.77
	35	127.77	39.90	150.83	46.74	173.89	52.44	184.50	57.00	187.73	57.57	191.97	58.14	197.85	58.71
	37	127.77	41.64	150.83	48.78	173.89	54.73	180.81	59.49	183.97	59.79	186.21	60.09	189.93	60.39
	39	127.77	43.09	150.83	50.48	173.89	56.64	179.52	61.56	182.10	61.89	184.29	62.67	185.98	63.11
	41	127.77	44.85	150.83	52.54	173.89	58.94	178.97	64.07	180.22	64.48	182.37	65.12	184.00	65.64
	43	127.77	47.08	150.83	55.15	173.89	61.88	177.12	67.26	178.34	67.93	180.45	68.49	183.01	68.81
	46	127.77	49.13	150.83	57.56	173.89	64.58	173.58	70.19	174.78	70.55	175.04	70.79	175.69	70.78
	48	127.77	50.85	150.83	59.57	173.89	66.83	172.34	72.64	172.99	73.03	173.24	73.83	172.03	73.97
	50	127.77	52.92	150.83	61.99	173.89	69.55	171.81	75.60	171.21	76.08	171.43	76.71	170.20	76.93
90%	10	114.99	18.42	135.75	21.58	156.50	24.21	166.05	27.89	180.78	26.58	193.51	26.84	201.21	27.10
	12	114.99	18.76	135.75	21.97	156.50	24.65	166.05	28.40	180.78	27.06	193.51	27.33	199.43	27.60
	14	114.99	19.09	135.75	22.36	156.50	25.09	166.05	28.91	180.78	27.54	191.78	27.82	197.65	28.09
	16	114.99	19.43	135.75	22.76	156.50	25.53	166.05	29.42	180.78	28.03	190.05	28.31	195.87	28.58
	18	114.99	19.76	135.75	23.15	156.50	25.97	166.05	29.92	180.78	28.51	188.32	28.79	194.09	29.08
	19	114.99	20.10	135.75	23.54	156.50	26.41	166.05	30.43	180.78	28.99	186.60	29.28	192.31	29.57
	21	114.99	20.43	135.75	23.93	156.50	26.85	166.05	30.94	180.78	29.48	184.87	29.77	190.53	30.06
	23	114.99	20.76	135.75	24.32	156.50	27.29	166.05	31.44	180.78	29.96	183.14	30.26	188.75	30.55
	25	114.99	21.43	135.75	25.11	156.50	28.17	166.05	32.46	179.09	30.93	181.41	31.23	186.97	31.54
	27	114.99	21.77	135.75	25.50	156.50	28.61	166.05	32.97	177.40	31.41	179.69	31.72	185.19	32.03
	29	114.99	26.79	135.75	31.39	156.50	35.21	166.05	40.57	175.71	38.66	177.96	39.04	183.41	39.42
	31	114.99	30.14	135.75	35.31	156.50	39.62	166.05	45.64	174.02	43.49	176.23	43.92	181.62	44.35
	33	114.99	31.82	135.75	37.27	156.50	41.82	166.05	48.18	170.65	45.91	174.50	46.36	179.84	46.82
	35	114.99	33.49	135.75	39.23	156.50	44.02	166.05	50.72	168.96	48.32	172.78	48.80	178.06	49.28
	37	114.99	34.95	135.75	40.94	156.50	45.94	162.73	52.93	165.58	50.19	167.59	50.44	170.94	50.69
	39	114.99	36.17	135.75	42.37	156.50	47.54	161.57	54.77	163.89	51.95	165.86	52.61	167.38	52.98
	41	114.99	37.64	135.75	44.10	156.50	49.48	161.07	57.00	162.20	54.12	164.14	54.66	165.60	55.10
	43	114.99	39.52	135.75	46.30	156.50	51.94	159.41	59.85	160.51	57.02	162.41	57.49	164.71	57.76
	46	114.99	41.24	135.75	48.31	156.50	54.21	156.22	62.45	157.30	59.22	157.54	59.42	158.12	59.41
	48	114.99	42.68	135.75	50.00	156.50	56.10	155.10	64.63	155.69	61.30	155.91	61.97	154.83	62.09
	50	114.99	44.42	135.75	52.04	156.50	58.38	154.63	67.27	154.09	63.86	154.29	64.39	153.18	64.57
80%	10	102.21	15.10	120.66	17.68	139.11	19.84	147.60	22.86	160.70	21.78	172.01	22.00	178.86	22.21
	12	102.21	15.37	120.66	18.00	139.11	20.20	147.60	23.27	160.70	22.18	172.01	22.40	177.27	22.62
	14	102.21	15.64	120.66	18.33	139.11	20.56	147.60	23.69	160.70	22.57	170.47	22.80	175.69	23.02
	16	102.21	15.92	120.66	18.65	139.11	20.92	147.60	24.11	160.70	22.97	168.94	23.20	174.11	23.42
	18	102.21	16.19	120.66	18.97	139.11	21.28	147.60	24.52	160.70	23.36	167.40	23.60	172.52	23.83
	19	102.21	16.47	120.66	19.29	139.11	21.64	147.60	24.94	160.70	23.76	165.86	24.00	170.94	24.23
	21	102.21	16.74	120.66	19.61	139.11	22.00	147.60	25.35	160.70	24.16	164.33	24.40	169.36	24.64
	23	102.21	17.02	120.66	19.93	139.11	22.36	147.60	25.77	160.70	24.55	162.79	24.80	167.78	25.04
	25	102.21	17.57	120.66	20.58	139.11	23.09	147.60	26.60	159.19	25.34	161.26	25.60	166.19	25.85
	27	102.21	17.84	120.66	20.90	139.11	23.45	147.60	27.02	157.69	25.74	159.72	26.00	164.61	26.25
	29	102.21	21.96	120.66	25.72	139.11	28.86	147.60	33.25	156.19	31.68	158.19	31.99	163.03	32.31
	31	102.21	24.70	120.66	28.94	139.11	32.47	147.60	37.41	154.69	35.64	156.65	35.99	161.44	36.35
	33	102.21	26.07	120.66	30.54	139.11	34.27	147.60	39.48	151.68	37.62	155.11	37.99	159.86	38.37
	35	102.21	27.45	120.66	32.15	139.11	36.07	147.60	41.56	150.18	39.60	153.58	39.99	158.28	40.39
	37	102.21	28.64	120.66	33.55	139.11	37.65	144.65	43.37	147.18	41.13	148.97	41.34	151.95	41.54
	39	102.21	29.64	120.66	34.72	139.11	38.96	143.61	44.89	145.68	42.57	147.43	43.11	148.78	43.41
	41	102.21	30.85	120.66	36.14	139.11	40.55	143.17	46.72	144.18	44.35	145.90	44.79	147.20	45.15
	43	102.21	32.39	120.66	37.94	139.11	42.57	141.70	49.04	142.67	46.73	144.36	47.11	146.41	47.33
	46	102.21	33.80	120.66	39.59	139.11	44.42	138.86	51.18	139.82	48.53	140.03	48.70	140.55	48.69
	48	102.21	34.98	120.66	40.97	139.11	45.97	137.87	52.97	138.39	50.23	138.59	50.79	137.62	50.88
	50	102.21	36.40	120.66	42.64	139.11	47.84	137.45	55.12	136.97	52.34	137.14	52.77	136.16	52.92

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	89.44	12.00	105.58	14.06	121.72	15.78	129.15	18.18	140.61	17.32	150.51	17.49	156.50	17.66
	12	89.44	12.22	105.58	14.32	121.72	16.06	129.15	18.51	140.61	17.63	150.51	17.81	155.11	17.98
	14	89.44	12.44	105.58	14.57	121.72	16.35	129.15	18.84	140.61	17.95	149.16	18.13	153.73	18.30
	16	89.44	12.66	105.58	14.83	121.72	16.64	129.15	19.17	140.61	18.26	147.82	18.44	152.34	18.63
	18	89.44	12.88	105.58	15.08	121.72	16.92	129.15	19.50	140.61	18.58	146.47	18.76	150.96	18.95
	19	89.44	13.09	105.58	15.34	121.72	17.21	129.15	19.83	140.61	18.89	145.13	19.08	149.57	19.27
	21	89.44	13.31	105.58	15.59	121.72	17.50	129.15	20.16	140.61	19.21	143.79	19.40	148.19	19.59
	23	89.44	13.53	105.58	15.85	121.72	17.78	129.15	20.49	140.61	19.52	142.44	19.72	146.80	19.91
	25	89.44	13.97	105.58	16.36	121.72	18.36	129.15	21.15	139.29	20.15	141.10	20.35	145.42	20.55
	27	89.44	14.19	105.58	16.62	121.72	18.64	129.15	21.48	137.98	20.47	139.76	20.67	144.03	20.87
	29	89.44	17.46	105.58	20.45	121.72	22.95	129.15	26.44	136.67	25.19	138.41	25.44	142.65	25.69
	31	89.44	19.64	105.58	23.01	121.72	25.81	129.15	29.74	135.35	28.34	137.07	28.62	141.26	28.90
	33	89.44	20.73	105.58	24.29	121.72	27.25	129.15	31.40	132.72	29.91	135.72	30.21	139.88	30.51
	35	89.44	21.82	105.58	25.57	121.72	28.68	129.15	33.05	131.41	31.49	134.38	31.80	138.49	32.11
	37	89.44	22.78	105.58	26.68	121.72	29.93	126.57	34.49	128.78	32.70	130.35	32.87	132.95	33.03
	39	89.44	23.57	105.58	27.61	121.72	30.98	125.66	35.69	127.47	33.85	129.01	34.28	130.18	34.52
	41	89.44	24.53	105.58	28.74	121.72	32.24	125.28	37.15	126.15	35.27	127.66	35.62	128.80	35.90
	43	89.44	25.75	105.58	30.17	121.72	33.85	123.98	39.00	124.84	37.16	126.32	37.46	128.11	37.64
	46	89.44	26.88	105.58	31.48	121.72	35.32	121.50	40.70	122.34	38.59	122.53	38.72	122.98	38.71
	48	89.44	27.81	105.58	32.58	121.72	36.55	120.64	42.12	121.09	39.94	121.27	40.38	120.42	40.46
	50	89.44	28.95	105.58	33.91	121.72	38.04	120.26	43.83	119.85	41.62	120.00	41.96	119.14	42.08
60%	10	76.66	9.11	90.50	10.67	104.33	11.97	110.70	13.80	120.52	13.15	129.01	13.28	134.14	13.41
	12	76.66	9.28	90.50	10.87	104.33	12.19	110.70	14.05	120.52	13.38	129.01	13.52	132.95	13.65
	14	76.66	9.44	90.50	11.06	104.33	12.41	110.70	14.30	120.52	13.62	127.85	13.76	131.77	13.89
	16	76.66	9.61	90.50	11.25	104.33	12.63	110.70	14.55	120.52	13.86	126.70	14.00	130.58	14.14
	18	76.66	9.77	90.50	11.45	104.33	12.84	110.70	14.80	120.52	14.10	125.55	14.24	129.39	14.38
	19	76.66	9.94	90.50	11.64	104.33	13.06	110.70	15.05	120.52	14.34	124.40	14.48	128.21	14.62
	21	76.66	10.10	90.50	11.84	104.33	13.28	110.70	15.30	120.52	14.58	123.25	14.72	127.02	14.87
	23	76.66	10.27	90.50	12.03	104.33	13.50	110.70	15.55	120.52	14.82	122.09	14.96	125.83	15.11
	25	76.66	10.60	90.50	12.42	104.33	13.93	110.70	16.05	119.40	15.30	120.94	15.45	124.64	15.60
	27	76.66	10.77	90.50	12.61	104.33	14.15	110.70	16.30	118.27	15.54	119.79	15.69	123.46	15.84
	29	76.66	13.25	90.50	15.52	104.33	17.42	110.70	20.07	117.14	19.12	118.64	19.31	122.27	19.50
	31	76.66	14.91	90.50	17.46	104.33	19.59	110.70	22.58	116.02	21.51	117.49	21.72	121.08	21.94
	33	76.66	15.74	90.50	18.43	104.33	20.68	110.70	23.83	113.76	22.71	116.34	22.93	119.90	23.15
	35	76.66	16.56	90.50	19.40	104.33	21.77	110.70	25.08	112.64	23.90	115.18	24.14	118.71	24.37
	37	76.66	17.29	90.50	20.25	104.33	22.72	108.49	26.18	110.38	24.82	111.73	24.95	113.96	25.07
	39	76.66	17.89	90.50	20.96	104.33	23.51	107.71	27.09	109.26	25.69	110.58	26.02	111.59	26.20
	41	76.66	18.62	90.50	21.81	104.33	24.47	107.38	28.19	108.13	26.77	109.42	27.03	110.40	27.25
	43	76.66	19.55	90.50	22.90	104.33	25.69	106.27	29.60	107.01	28.20	108.27	28.43	109.81	28.57
	46	76.66	20.40	90.50	23.90	104.33	26.81	104.15	30.89	104.87	29.29	105.02	29.39	105.41	29.38
	48	76.66	21.11	90.50	24.73	104.33	27.74	103.40	31.97	103.80	30.32	103.94	30.65	103.22	30.71
	50	76.66	21.97	90.50	25.74	104.33	28.87	103.08	33.27	102.73	31.59	102.86	31.85	102.12	31.94
50%	10	63.88	6.42	75.41	7.52	86.95	8.43	92.25	9.72	100.43	9.26	107.50	9.35	111.78	9.44
	12	63.88	6.53	75.41	7.65	86.95	8.59	92.25	9.89	100.43	9.43	107.50	9.52	110.80	9.61
	14	63.88	6.65	75.41	7.79	86.95	8.74	92.25	10.07	100.43	9.60	106.54	9.69	109.81	9.79
	16	63.88	6.77	75.41	7.93	86.95	8.89	92.25	10.25	100.43	9.76	105.58	9.86	108.82	9.96
	18	63.88	6.88	75.41	8.06	86.95	9.05	92.25	10.42	100.43	9.93	104.62	10.03	107.83	10.13
	19	63.88	7.00	75.41	8.20	86.95	9.20	92.25	10.60	100.43	10.10	103.67	10.20	106.84	10.30
	21	63.88	7.12	75.41	8.34	86.95	9.35	92.25	10.78	100.43	10.27	102.71	10.37	105.85	10.47
	23	63.88	7.23	75.41	8.47	86.95	9.51	92.25	10.95	100.43	10.44	101.75	10.54	104.86	10.64
	25	63.88	7.47	75.41	8.75	86.95	9.81	92.25	11.31	99.50	10.77	100.79	10.88	103.87	10.99
	27	63.88	7.58	75.41	8.88	86.95	9.97	92.25	11.48	98.56	10.94	99.83	11.05	102.88	11.16
	29	63.88	9.33	75.41	10.93	86.95	12.27	92.25	14.13	97.62	13.47	98.87	13.60	101.89	13.73
	31	63.88	10.50	75.41	12.30	86.95	13.80	92.25	15.90	96.68	15.15	97.91	15.30	100.90	15.45
	33	63.88	11.08	75.41	12.98	86.95	14.57	92.25	16.78	94.80	15.99	96.95	16.15	99.91	16.31
	35	63.88	11.67	75.41	13.67	86.95	15.33	92.25	17.67	93.86	16.83	95.99	17.00	98.92	17.17
	37	63.88	12.18	75.41	14.26	86.95	16.00	90.41	18.44	91.99	17.48	93.11	17.57	94.97	17.66
	39	63.88	12.60	75.41	14.76	86.95	16.56	89.76	19.08	91.05	18.10	92.15	18.33	92.99	18.46
	41	63.88	13.11	75.41	15.36	86.95	17.24	89.48	19.86	90.11	18.86	91.19	19.04	92.00	19.19
	43	63.88	13.77	75.41	16.13	86.95	18.09	88.56	20.85	89.17	19.87	90.23	20.03	91.50	20.12
	46	63.88	14.37	75.41	16.83	86.95	18.88	86.79	21.76	87.39	20.63	87.52	20.70	87.84	20.70
	48	63.88	14.87	75.41	17.42	86.95	19.54	86.17	22.52	86.50	21.36	86.62	21.59	86.01	21.63
	50	63.88	15.48	75.41	18.13	86.95	20.34	85.90	23.43	85.60	22.25	85.72	22.43	85.10	22.50

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	51.11	5.09	60.33	5.96	69.56	6.69	73.80	7.70	80.35	7.34	86.00	7.41	89.43	7.49
	12	51.11	5.18	60.33	6.07	69.56	6.81	73.80	7.84	80.35	7.47	86.00	7.55	88.64	7.62
	14	51.11	5.27	60.33	6.18	69.56	6.93	73.80	7.98	80.35	7.61	85.24	7.68	87.84	7.76
	16	51.11	5.36	60.33	6.28	69.56	7.05	73.80	8.12	80.35	7.74	84.47	7.82	87.05	7.89
	18	51.11	5.46	60.33	6.39	69.56	7.17	73.80	8.26	80.35	7.87	83.70	7.95	86.26	8.03
	19	51.11	5.55	60.33	6.50	69.56	7.29	73.80	8.40	80.35	8.01	82.93	8.09	85.47	8.17
	21	51.11	5.64	60.33	6.61	69.56	7.42	73.80	8.54	80.35	8.14	82.16	8.22	84.68	8.30
	23	51.11	5.73	60.33	6.72	69.56	7.54	73.80	8.68	80.35	8.27	81.40	8.36	83.89	8.44
	25	51.11	5.92	60.33	6.93	69.56	7.78	73.80	8.96	79.60	8.54	80.63	8.63	83.10	8.71
	27	51.11	6.01	60.33	7.04	69.56	7.90	73.80	9.10	78.85	8.67	79.86	8.76	82.31	8.85
	29	51.11	7.40	60.33	8.67	69.56	9.73	73.80	11.21	78.10	10.68	79.09	10.78	81.51	10.89
	31	51.11	8.32	60.33	9.75	69.56	10.94	73.80	12.61	77.34	12.01	78.32	12.13	80.72	12.25
	33	51.11	8.79	60.33	10.29	69.56	11.55	73.80	13.31	75.84	12.68	77.56	12.80	79.93	12.93
	35	51.11	9.25	60.33	10.84	69.56	12.16	73.80	14.01	75.09	13.35	76.79	13.48	79.14	13.61
	37	51.11	9.65	60.33	11.31	69.56	12.69	72.32	14.62	73.59	13.86	74.49	13.93	75.97	14.00
	39	51.11	9.99	60.33	11.70	69.56	13.13	71.81	15.13	72.84	14.35	73.72	14.53	74.39	14.63
	41	51.11	10.40	60.33	12.18	69.56	13.66	71.59	15.74	72.09	14.95	72.95	15.10	73.60	15.22
	43	51.11	10.91	60.33	12.79	69.56	14.34	70.85	16.53	71.34	15.75	72.18	15.88	73.20	15.95
	46	51.11	11.39	60.33	13.34	69.56	14.97	69.43	17.25	69.91	16.36	70.02	16.41	70.28	16.41
	48	51.11	11.79	60.33	13.81	69.56	15.49	68.94	17.85	69.20	16.93	69.29	17.12	68.81	17.15
	50	51.11	12.27	60.33	14.37	69.56	16.12	68.72	18.58	68.48	17.64	68.57	17.78	68.08	17.83
30%	10	38.33	4.66	45.25	5.45	52.17	6.12	55.35	7.05	60.26	6.72	64.50	6.78	67.07	6.85
	12	38.33	4.74	45.25	5.55	52.17	6.23	55.35	7.18	60.26	6.84	64.50	6.91	66.48	6.97
	14	38.33	4.82	45.25	5.65	52.17	6.34	55.35	7.31	60.26	6.96	63.93	7.03	65.88	7.10
	16	38.33	4.91	45.25	5.75	52.17	6.45	55.35	7.43	60.26	7.08	63.35	7.15	65.29	7.22
	18	38.33	4.99	45.25	5.85	52.17	6.56	55.35	7.56	60.26	7.20	62.77	7.28	64.70	7.35
	19	38.33	5.08	45.25	5.95	52.17	6.67	55.35	7.69	60.26	7.33	62.20	7.40	64.10	7.47
	21	38.33	5.16	45.25	6.05	52.17	6.79	55.35	7.82	60.26	7.45	61.62	7.52	63.51	7.60
	23	38.33	5.25	45.25	6.15	52.17	6.90	55.35	7.95	60.26	7.57	61.05	7.65	62.92	7.72
	25	38.33	5.42	45.25	6.35	52.17	7.12	55.35	8.20	59.70	7.82	60.47	7.89	62.32	7.97
	27	38.33	5.50	45.25	6.44	52.17	7.23	55.35	8.33	59.13	7.94	59.90	8.02	61.73	8.09
	29	38.33	6.77	45.25	7.93	52.17	8.90	55.35	10.25	58.57	9.77	59.32	9.87	61.14	9.96
	31	38.33	7.62	45.25	8.92	52.17	10.01	55.35	11.53	58.01	10.99	58.74	11.10	60.54	11.21
	33	38.33	8.04	45.25	9.42	52.17	10.57	55.35	12.18	56.88	11.60	58.17	11.72	59.95	11.83
	35	38.33	8.46	45.25	9.91	52.17	11.12	55.35	12.82	56.32	12.21	57.59	12.33	59.35	12.45
	37	38.33	8.83	45.25	10.35	52.17	11.61	54.24	13.38	55.19	12.68	55.86	12.75	56.98	12.81
	39	38.33	9.14	45.25	10.71	52.17	12.01	53.86	13.84	54.63	13.13	55.29	13.29	55.79	13.39
	41	38.33	9.51	45.25	11.14	52.17	12.50	53.69	14.41	54.07	13.68	54.71	13.81	55.20	13.92
	43	38.33	9.99	45.25	11.70	52.17	13.13	53.14	15.12	53.50	14.41	54.14	14.53	54.90	14.60
	46	38.33	10.42	45.25	12.21	52.17	13.70	52.07	15.78	52.43	14.97	52.51	15.02	52.71	15.01
	48	38.33	10.79	45.25	12.64	52.17	14.18	51.70	16.33	51.90	15.49	51.97	15.66	51.61	15.69
	50	38.33	11.23	45.25	13.15	52.17	14.75	51.54	17.00	51.36	16.14	51.43	16.27	51.06	16.32
20%	10	25.55	2.69	30.17	3.15	34.78	3.54	36.90	4.08	40.17	3.89	43.00	3.92	44.71	3.96
	12	25.55	2.74	30.17	3.21	34.78	3.60	36.90	4.15	40.17	3.96	43.00	4.00	44.32	4.03
	14	25.55	2.79	30.17	3.27	34.78	3.67	36.90	4.23	40.17	4.03	42.62	4.07	43.92	4.11
	16	25.55	2.84	30.17	3.33	34.78	3.73	36.90	4.30	40.17	4.10	42.23	4.14	43.53	4.18
	18	25.55	2.89	30.17	3.38	34.78	3.80	36.90	4.37	40.17	4.17	41.85	4.21	43.13	4.25
	19	25.55	2.94	30.17	3.44	34.78	3.86	36.90	4.45	40.17	4.24	41.47	4.28	42.74	4.32
	21	25.55	2.99	30.17	3.50	34.78	3.93	36.90	4.52	40.17	4.31	41.08	4.35	42.34	4.40
	23	25.55	3.04	30.17	3.56	34.78	3.99	36.90	4.60	40.17	4.38	40.70	4.42	41.94	4.47
	25	25.55	3.13	30.17	3.67	34.78	4.12	36.90	4.75	39.80	4.52	40.31	4.57	41.55	4.61
	27	25.55	3.18	30.17	3.73	34.78	4.18	36.90	4.82	39.42	4.59	39.93	4.64	41.15	4.68
	29	25.55	3.92	30.17	4.59	34.78	5.15	36.90	5.93	39.05	5.65	39.55	5.71	40.76	5.76
	31	25.55	4.41	30.17	5.16	34.78	5.79	36.90	6.67	38.67	6.36	39.16	6.42	40.36	6.48
	33	25.55	4.65	30.17	5.45	34.78	6.11	36.90	7.04	37.92	6.71	38.78	6.78	39.97	6.85
	35	25.55	4.90	30.17	5.74	34.78	6.44	36.90	7.42	37.55	7.07	38.39	7.14	39.57	7.21
	37	25.55	5.11	30.17	5.99	34.78	6.72	36.16	7.74	36.79	7.34	37.24	7.38	37.99	7.41
	39	25.55	5.29	30.17	6.20	34.78	6.95	35.90	8.01	36.42	7.60	36.86	7.69	37.20	7.75
	41	25.55	5.50	30.17	6.45	34.78	7.23	35.79	8.33	36.04	7.91	36.47	7.99	36.80	8.06
	43	25.55	5.78	30.17	6.77	34.78	7.59	35.42	8.75	35.67	8.34	36.09	8.41	36.60	8.44
	46	25.55	6.03	30.17	7.06	34.78	7.93	34.72	9.13	34.96	8.66	35.01	8.69	35.14	8.69
	48	25.55	6.24	30.17	7.31	34.78	8.20	34.47	9.45	34.60	8.96	34.65	9.06	34.41	9.08
	50	25.55	6.49	30.17	7.61	34.78	8.54	34.36	9.83	34.24	9.34	34.29	9.41	34.04	9.44

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR680ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	145.02	25.19	171.20	29.51	197.38	33.11	209.42	36.21	228.00	36.35	244.05	36.71	253.76	37.07
	12	145.02	25.65	171.20	30.05	197.38	33.71	209.42	36.86	228.00	37.01	244.05	37.38	251.52	37.74
	14	145.02	26.11	171.20	30.58	197.38	34.31	209.42	37.52	228.00	37.67	241.87	38.04	249.27	38.42
	16	145.02	26.57	171.20	31.12	197.38	34.92	209.42	38.18	228.00	38.33	239.69	38.71	247.03	39.09
	18	145.02	27.03	171.20	31.66	197.38	35.52	209.42	38.84	228.00	38.99	237.51	39.38	244.78	39.77
	19	145.02	27.48	171.20	32.19	191.46	36.12	209.42	39.50	228.00	39.65	235.33	40.05	242.53	40.44
	21	145.02	27.94	171.20	32.73	197.38	36.72	209.42	40.15	228.00	40.32	233.15	40.71	240.29	41.11
	23	145.02	28.40	171.20	33.27	197.38	37.32	209.42	40.81	228.00	40.98	230.97	41.38	238.04	41.79
	25	145.02	29.32	171.20	34.34	197.38	38.53	209.42	42.13	225.87	42.30	228.79	42.72	235.80	43.14
	27	145.02	29.77	171.20	34.88	197.38	39.13	209.42	42.79	223.74	42.96	226.62	43.38	233.55	43.81
	29	145.02	36.64	171.20	42.93	197.38	48.16	209.42	52.66	221.61	52.87	224.44	53.40	231.31	53.92
	31	145.02	41.22	171.20	48.29	197.38	54.18	209.42	59.24	219.48	59.48	222.26	60.07	229.06	60.66
	33	145.02	43.52	171.20	50.97	197.38	57.19	209.42	62.54	215.21	62.79	220.08	63.41	226.81	64.03
	35	145.02	45.81	171.20	53.66	197.38	60.20	209.42	65.83	213.08	66.09	217.90	66.74	224.57	67.40
	37	145.02	47.80	171.20	56.00	197.38	62.83	205.23	68.70	208.82	68.64	211.36	68.99	215.59	69.33
	39	145.02	49.47	171.20	57.95	197.38	65.02	203.76	71.09	206.69	71.05	209.18	71.95	211.10	72.45
	41	145.02	51.49	171.20	60.31	197.38	67.67	203.14	73.99	204.56	74.02	207.00	74.75	208.85	75.35
	43	145.02	54.05	171.20	63.32	197.38	71.04	201.04	77.68	202.43	77.99	204.83	78.63	207.73	78.99
	46	145.02	56.41	171.20	66.08	197.38	74.13	197.02	81.06	198.38	81.00	198.68	81.27	199.42	81.25
	48	145.02	58.37	171.20	68.38	197.38	76.72	195.61	83.89	196.36	83.84	196.63	84.76	195.26	84.92
	50	145.02	60.75	171.20	71.17	197.38	79.85	195.01	87.31	194.33	87.35	194.58	88.06	193.19	88.31
120%	10	142.66	24.95	168.41	29.23	194.16	32.79	206.01	35.85	224.29	36.00	240.07	36.35	249.63	36.71
	12	142.66	25.40	168.41	29.76	194.16	33.39	206.01	36.51	224.29	36.65	240.07	37.01	247.42	37.38
	14	142.66	25.86	168.41	30.29	194.16	33.98	206.01	37.16	224.29	37.31	237.93	37.68	245.21	38.04
	16	142.66	26.31	168.41	30.82	194.16	34.58	206.01	37.81	224.29	37.96	235.79	38.34	243.00	38.71
	18	142.66	26.76	168.41	31.35	194.16	35.17	206.01	38.46	224.29	38.61	233.64	39.00	240.79	39.38
	19	142.66	27.22	168.41	31.88	194.16	35.77	206.01	39.11	224.29	39.27	231.50	39.66	238.58	40.05
	21	142.66	27.67	168.41	32.41	194.16	36.37	206.01	39.76	224.29	39.92	229.35	40.32	236.38	40.71
	23	142.66	28.12	168.41	32.94	194.16	36.96	206.01	40.42	224.29	40.58	227.21	40.98	234.17	41.38
	25	142.66	29.03	168.41	34.01	194.16	38.15	206.01	41.72	222.19	41.89	225.07	42.30	231.96	42.72
	27	142.66	29.48	168.41	34.54	194.16	38.75	206.01	42.37	220.09	42.54	222.92	42.96	229.75	43.38
	29	142.66	36.29	168.41	42.51	194.16	47.69	206.01	52.15	218.00	52.36	220.78	52.88	227.54	53.40
	31	142.66	40.82	168.41	47.82	194.16	53.66	206.01	58.67	215.90	58.90	218.64	59.49	225.33	60.07
	33	142.66	43.09	168.41	50.48	194.16	56.64	206.01	61.93	211.71	62.18	216.49	62.79	223.12	63.41
	35	142.66	45.36	168.41	53.14	194.16	59.62	206.01	65.19	209.61	65.45	214.35	66.10	220.91	66.74
	37	142.66	47.34	168.41	55.45	194.16	62.22	201.89	68.03	205.42	67.98	207.92	68.32	212.08	68.65
	39	142.66	48.99	168.41	57.39	194.16	64.39	200.44	70.40	203.32	70.36	205.78	71.25	207.66	71.75
	41	142.66	50.99	168.41	59.73	194.16	67.01	199.83	73.27	201.23	73.30	203.63	74.03	205.45	74.62
	43	142.66	53.53	168.41	62.70	194.16	70.35	197.77	76.92	199.13	77.23	201.49	77.86	204.34	78.23
	46	142.66	55.86	168.41	65.44	194.16	73.42	193.81	80.28	195.15	80.21	195.44	80.48	196.17	80.46
	48	142.66	57.81	168.41	67.72	194.16	75.98	192.43	83.08	193.16	83.02	193.43	83.94	192.08	84.09
	50	142.66	60.16	168.41	70.48	194.16	79.07	191.83	86.46	191.17	86.50	191.41	87.21	190.04	87.46
110%	10	140.30	24.35	165.62	28.53	190.95	32.01	202.60	35.00	220.57	35.14	236.10	35.49	245.50	35.84
	12	140.30	24.80	165.62	29.05	190.95	32.59	202.60	35.64	220.57	35.78	236.10	36.13	243.32	36.49
	14	140.30	25.24	165.62	29.57	190.95	33.17	202.60	36.27	220.57	36.42	233.99	36.78	241.15	37.14
	16	140.30	25.68	165.62	30.09	190.95	33.75	202.60	36.91	220.57	37.06	231.88	37.42	238.98	37.79
	18	140.30	26.13	165.62	30.60	190.95	34.34	202.60	37.55	220.57	37.70	229.77	38.07	236.81	38.44
	19	140.30	26.57	165.62	31.12	190.95	34.92	202.60	38.18	220.57	38.33	227.67	38.71	234.63	39.09
	21	140.30	27.01	165.62	31.64	190.95	35.50	202.60	38.82	220.57	38.97	225.56	39.36	232.46	39.75
	23	140.30	27.45	165.62	32.16	190.95	36.08	202.60	39.45	220.57	39.61	223.45	40.00	230.29	40.40
	25	140.30	28.34	165.62	33.20	190.95	37.25	202.60	40.73	218.51	40.89	221.34	41.29	228.12	41.70
	27	140.30	28.78	165.62	33.72	190.95	37.83	202.60	41.36	216.45	41.53	219.23	41.94	225.94	42.35
	29	140.30	35.42	165.62	41.50	190.95	46.56	202.60	50.91	214.39	51.11	217.13	51.62	223.77	52.12
	31	140.30	39.85	165.62	46.68	190.95	52.38	202.60	57.27	212.33	57.50	215.02	58.07	221.60	58.64
	33	140.30	42.07	165.62	49.28	190.95	55.29	202.60	60.45	208.20	60.70	212.91	61.30	219.43	61.90
	35	140.30	44.28	165.62	51.87	190.95	58.20	202.60	63.64	206.14	63.89	210.80	64.52	217.25	65.16
	37	140.30	46.21	165.62	54.13	190.95	60.73	198.54	66.41	202.02	66.36	204.48	66.69	208.56	67.02
	39	140.30	47.82	165.62	56.02	190.95	62.85	197.13	68.73	199.96	68.68	202.37	69.56	204.22	70.04
	41	140.30	49.77	165.62	58.30	190.95	65.41	196.52	71.53	197.90	71.56	200.26	72.27	202.05	72.84
	43	140.30	52.25	165.62	61.21	190.95	68.67	194.49	75.09	195.83	75.39	198.15	76.01	200.96	76.36
	46	140.30	54.53	165.62	63.88	190.95	71.67	190.60	78.36	191.92	78.30	192.21	78.56	192.92	78.55
	48	140.30	56.43	165.62	66.11	190.95	74.17	189.24	81.10	189.96	81.05	190.23	81.94	188.90	82.09
	50	140.30	58.73	165.62	68.80	190.95	77.19	188.66	84.40	188.00	84.44	188.25	85.13	186.89	85.37

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	132.27	23.06	156.14	27.01	180.02	30.31	191.00	32.95	207.95	33.27	222.58	33.60	231.45	33.93
	12	132.27	23.48	156.14	27.51	180.02	30.86	191.00	33.54	207.95	33.88	222.58	34.21	229.40	34.55
	14	132.27	23.90	156.14	28.00	180.02	31.41	191.00	34.14	207.95	34.48	220.60	34.83	227.35	35.17
	16	132.27	24.32	156.14	28.49	180.02	31.96	191.00	34.74	207.95	35.09	218.61	35.44	225.30	35.78
	18	132.27	24.74	156.14	28.98	180.02	32.51	191.00	35.34	207.95	35.69	216.62	36.05	223.25	36.40
	19	132.27	25.16	156.14	29.47	180.02	33.06	191.00	35.94	207.95	36.30	214.63	36.66	221.20	37.02
	21	132.27	25.58	156.14	29.96	180.02	33.62	191.00	36.54	207.95	36.90	212.65	37.27	219.16	37.64
	23	132.27	26.00	156.14	30.45	180.02	34.17	191.00	37.14	207.95	37.51	210.66	37.88	217.11	38.25
	25	132.27	26.84	156.14	31.44	180.02	35.27	191.00	38.34	206.00	38.72	208.67	39.10	215.06	39.49
	27	132.27	27.25	156.14	31.93	180.02	35.82	191.00	38.94	204.06	39.32	206.68	39.71	213.01	40.10
	29	132.27	33.54	156.14	39.29	180.02	44.09	191.00	47.92	202.12	48.40	204.70	48.88	210.96	49.36
	31	132.27	37.74	156.14	44.21	180.02	49.60	191.00	53.91	200.17	54.45	202.71	54.99	208.92	55.53
	33	132.27	39.83	156.14	46.66	180.02	52.35	191.00	56.91	196.29	57.47	200.72	58.04	206.87	58.61
	35	132.27	41.93	156.14	49.12	180.02	55.11	191.00	59.90	194.34	60.50	198.74	61.10	204.82	61.70
	37	132.27	43.76	156.14	51.26	180.02	57.51	187.18	62.51	190.46	62.83	192.77	63.15	196.63	63.46
	39	132.27	45.28	156.14	53.05	180.02	59.52	185.84	64.69	188.51	65.04	190.79	65.86	192.53	66.32
	41	132.27	47.13	156.14	55.21	180.02	61.94	185.27	67.33	186.57	67.76	188.80	68.43	190.48	68.98
	43	132.27	49.48	156.14	57.96	180.02	65.03	183.36	70.68	184.63	71.39	186.81	71.97	189.46	72.31
	46	132.27	51.63	156.14	60.49	180.02	67.86	179.69	73.76	180.93	74.14	181.21	74.39	181.88	74.38
	48	132.27	53.44	156.14	62.60	180.02	70.23	178.41	76.34	179.09	76.74	179.34	77.59	178.09	77.73
	50	132.27	55.61	156.14	65.15	180.02	73.09	177.86	79.45	177.24	79.96	177.47	80.61	176.20	80.84
90%	10	119.04	19.36	140.53	22.68	162.02	25.44	171.90	27.82	187.15	27.93	200.33	28.21	208.30	28.48
	12	119.04	19.71	140.53	23.09	162.02	25.90	171.90	28.32	187.15	28.44	200.33	28.72	206.46	29.00
	14	119.04	20.06	140.53	23.50	162.02	26.37	171.90	28.83	187.15	28.95	198.54	29.23	204.61	29.52
	16	119.04	20.41	140.53	23.91	162.02	26.83	171.90	29.34	187.15	29.45	196.75	29.75	202.77	30.04
	18	119.04	20.77	140.53	24.33	162.02	27.29	171.90	29.84	187.15	29.96	194.96	30.26	200.93	30.55
	19	119.04	21.12	140.53	24.74	162.02	27.75	171.90	30.35	187.15	30.47	193.17	30.77	199.08	31.07
	21	119.04	21.47	140.53	25.15	162.02	28.22	171.90	30.85	187.15	30.98	191.38	31.28	197.24	31.59
	23	119.04	21.82	140.53	25.56	162.02	28.68	171.90	31.36	187.15	31.49	189.59	31.80	195.40	32.11
	25	119.04	22.53	140.53	26.39	162.02	29.60	171.90	32.37	185.40	32.50	187.81	32.82	193.55	33.14
	27	119.04	22.88	140.53	26.80	162.02	30.07	171.90	32.88	183.65	33.01	186.02	33.34	191.71	33.66
	29	119.04	28.16	140.53	32.98	162.02	37.01	171.90	40.46	181.90	40.63	184.23	41.03	189.87	41.43
	31	119.04	31.68	140.53	37.11	162.02	41.63	171.90	45.52	180.16	45.70	182.44	46.16	188.02	46.61
	33	119.04	33.44	140.53	39.17	162.02	43.94	171.90	48.05	176.66	48.24	180.65	48.72	186.18	49.20
	35	119.04	35.20	140.53	41.23	162.02	46.26	171.90	50.58	174.91	50.78	178.86	51.29	184.34	51.79
	37	119.04	36.73	140.53	43.03	162.02	48.27	168.46	52.79	171.41	52.74	173.50	53.01	176.96	53.27
	39	119.04	38.01	140.53	44.53	162.02	49.96	167.26	54.63	169.66	54.59	171.71	55.29	173.28	55.67
	41	119.04	39.56	140.53	46.34	162.02	51.99	166.74	56.85	167.91	56.88	169.92	57.44	171.43	57.90
	43	119.04	41.53	140.53	48.65	162.02	54.58	165.02	59.68	166.16	59.92	168.13	60.41	170.51	60.70
	46	119.04	43.34	140.53	50.77	162.02	56.96	161.72	62.29	162.84	62.24	163.09	62.44	163.69	62.43
	48	119.04	44.85	140.53	52.54	162.02	58.95	160.57	64.46	161.18	64.42	161.41	65.13	160.28	65.25
	50	119.04	46.68	140.53	54.68	162.02	61.35	160.07	67.09	159.52	67.11	159.72	67.66	158.58	67.86
80%	10	105.81	15.86	124.91	18.58	144.01	20.85	152.80	22.80	166.36	22.89	178.07	23.12	185.16	23.34
	12	105.81	16.15	124.91	18.92	144.01	21.23	152.80	23.21	166.36	23.30	178.07	23.54	183.52	23.77
	14	105.81	16.44	124.91	19.26	144.01	21.61	152.80	23.63	166.36	23.72	176.48	23.96	181.88	24.19
	16	105.81	16.73	124.91	19.60	144.01	21.99	152.80	24.04	166.36	24.14	174.89	24.38	180.24	24.62
	18	105.81	17.02	124.91	19.93	144.01	22.37	152.80	24.46	166.36	24.55	173.30	24.80	178.60	25.04
	19	105.81	17.31	124.91	20.27	144.01	22.74	152.80	24.87	166.36	24.97	171.71	25.22	176.96	25.46
	21	105.81	17.59	124.91	20.61	144.01	23.12	152.80	25.28	166.36	25.39	170.12	25.64	175.32	25.89
	23	105.81	17.88	124.91	20.95	144.01	23.50	152.80	25.70	166.36	25.80	168.53	26.06	173.69	26.31
	25	105.81	18.46	124.91	21.62	144.01	24.26	152.80	26.53	164.80	26.63	166.94	26.90	172.05	27.16
	27	105.81	18.75	124.91	21.96	144.01	24.64	152.80	26.94	163.25	27.05	165.35	27.32	170.41	27.59
	29	105.81	23.07	124.91	27.03	144.01	30.33	152.80	33.16	161.69	33.29	163.76	33.62	168.77	33.95
	31	105.81	25.96	124.91	30.41	144.01	34.12	152.80	37.31	160.14	37.45	162.17	37.83	167.13	38.20
	33	105.81	27.40	124.91	32.10	144.01	36.01	152.80	39.38	157.03	39.54	160.58	39.93	165.49	40.32
	35	105.81	28.84	124.91	33.79	144.01	37.91	152.80	41.45	155.47	41.62	158.99	42.03	163.86	42.44
	37	105.81	30.10	124.91	35.26	144.01	39.56	149.74	43.26	152.36	43.22	154.22	43.44	157.30	43.65
	39	105.81	31.15	124.91	36.49	144.01	40.94	148.67	44.77	150.81	44.74	152.63	45.31	154.02	45.62
	41	105.81	32.42	124.91	37.98	144.01	42.61	148.22	46.59	149.26	46.61	151.04	47.07	152.39	47.45
	43	105.81	34.03	124.91	39.87	144.01	44.73	146.69	48.91	147.70	49.11	149.45	49.51	151.57	49.74
	46	105.81	35.52	124.91	41.61	144.01	46.68	143.75	51.04	144.75	51.00	144.97	51.17	145.50	51.16
	48	105.81	36.76	124.91	43.06	144.01	48.31	142.73	52.82	143.27	52.79	143.47	53.37	142.47	53.47
	50	105.81	38.25	124.91	44.81	144.01	50.28	142.29	54.98	141.79	55.00	141.98	55.45	140.96	55.61

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	92.59	12.61	109.30	14.78	126.01	16.58	133.70	18.13	145.56	18.20	155.81	18.38	162.01	18.56
	12	92.59	12.84	109.30	15.04	126.01	16.88	133.70	18.46	145.56	18.53	155.81	18.71	160.58	18.90
	14	92.59	13.07	109.30	15.31	126.01	17.18	133.70	18.79	145.56	18.86	154.42	19.05	159.14	19.24
	16	92.59	13.30	109.30	15.58	126.01	17.48	133.70	19.12	145.56	19.19	153.03	19.38	157.71	19.57
	18	92.59	13.53	109.30	15.85	126.01	17.78	133.70	19.45	145.56	19.52	151.64	19.72	156.28	19.91
	19	92.59	13.76	109.30	16.12	126.01	18.09	133.70	19.78	145.56	19.85	150.24	20.05	154.84	20.25
	21	92.59	13.99	109.30	16.39	126.01	18.39	133.70	20.11	145.56	20.19	148.85	20.39	153.41	20.59
	23	92.59	14.22	109.30	16.66	126.01	18.69	133.70	20.43	145.56	20.52	147.46	20.72	151.98	20.92
	25	92.59	14.68	109.30	17.19	126.01	19.29	133.70	21.09	144.20	21.18	146.07	21.39	150.54	21.60
	27	92.59	14.91	109.30	17.46	126.01	19.59	133.70	21.42	142.84	21.51	144.68	21.72	149.11	21.94
	29	92.59	18.35	109.30	21.49	126.01	24.11	133.70	26.37	141.48	26.47	143.29	26.74	147.67	27.00
	31	92.59	20.64	109.30	24.18	126.01	27.13	133.70	29.66	140.12	29.78	141.90	30.08	146.24	30.37
	33	92.59	21.79	109.30	25.52	126.01	28.64	133.70	31.31	137.40	31.44	140.51	31.75	144.81	32.06
	35	92.59	22.93	109.30	26.87	126.01	30.14	133.70	32.96	136.04	33.09	139.11	33.42	143.37	33.75
	37	92.59	23.93	109.30	28.04	126.01	31.46	131.03	34.40	133.32	34.37	134.94	34.54	137.64	34.71
	39	92.59	24.77	109.30	29.02	126.01	32.55	130.09	35.60	131.96	35.57	133.55	36.03	134.77	36.28
	41	92.59	25.78	109.30	30.20	126.01	33.88	129.69	37.05	130.60	37.06	132.16	37.43	133.34	37.73
	43	92.59	27.06	109.30	31.70	126.01	35.57	128.35	38.89	129.24	39.05	130.77	39.37	132.62	39.55
	46	92.59	28.24	109.30	33.08	126.01	37.12	125.78	40.59	126.65	40.55	126.84	40.69	127.32	40.68
	48	92.59	29.23	109.30	34.24	126.01	38.41	124.89	42.00	125.36	41.98	125.54	42.44	124.66	42.52
	50	92.59	30.42	109.30	35.63	126.01	39.98	124.50	43.71	124.07	43.73	124.23	44.09	123.34	44.22
60%	10	79.36	9.57	93.69	11.22	108.01	12.58	114.60	13.76	124.77	13.81	133.55	13.95	138.87	14.09
	12	79.36	9.75	93.69	11.42	108.01	12.81	114.60	14.01	124.77	14.07	133.55	14.20	137.64	14.34
	14	79.36	9.92	93.69	11.62	108.01	13.04	114.60	14.26	124.77	14.32	132.36	14.46	136.41	14.60
	16	79.36	10.10	93.69	11.83	108.01	13.27	114.60	14.51	124.77	14.57	131.17	14.71	135.18	14.86
	18	79.36	10.27	93.69	12.03	108.01	13.50	114.60	14.76	124.77	14.82	129.97	14.97	133.95	15.11
	19	79.36	10.44	93.69	12.23	108.01	13.73	114.60	15.01	124.77	15.07	128.73	15.22	132.72	15.37
	21	79.36	10.62	93.69	12.44	108.01	13.96	114.60	15.26	124.77	15.32	127.59	15.47	131.49	15.62
	23	79.36	10.79	93.69	12.64	108.01	14.18	114.60	15.51	124.77	15.57	126.40	15.72	130.26	15.88
	25	79.36	11.14	93.69	13.05	108.01	14.64	114.60	16.01	123.60	16.07	125.20	16.23	129.04	16.39
	27	79.36	11.31	93.69	13.25	108.01	14.87	114.60	16.26	122.44	16.33	124.01	16.49	127.81	16.65
	29	79.36	13.93	93.69	16.31	108.01	18.30	114.60	20.01	121.27	20.09	122.82	20.29	126.58	20.49
	31	79.36	15.67	93.69	18.35	108.01	20.59	114.60	22.51	120.10	22.60	121.63	22.83	125.35	23.05
	33	79.36	16.54	93.69	19.37	108.01	21.73	114.60	23.77	117.77	23.86	120.43	24.10	124.12	24.33
	35	79.36	17.41	93.69	20.39	108.01	22.88	114.60	25.02	116.61	25.12	119.24	25.36	122.89	25.61
	37	79.36	18.17	93.69	21.28	108.01	23.88	112.31	26.11	114.27	26.09	115.83	26.22	117.93	26.35
	39	79.36	18.80	93.69	22.02	108.01	24.71	111.51	27.02	113.11	27.00	114.47	27.34	115.52	27.53
	41	79.36	19.57	93.69	22.92	108.01	25.72	111.16	28.12	111.94	28.13	113.28	28.41	114.29	28.64
	43	79.36	20.54	93.69	24.06	108.01	27.00	110.02	29.52	110.78	29.64	112.09	29.88	113.67	30.02
	46	79.36	21.44	93.69	25.11	108.01	28.17	107.82	30.81	108.56	30.78	108.72	30.88	109.13	30.88
	48	79.36	22.18	93.69	25.99	108.01	29.16	107.05	31.88	107.45	31.86	107.60	32.21	106.85	32.27
	50	79.36	23.09	93.69	27.05	108.01	30.34	106.72	33.18	106.34	33.19	106.48	33.47	105.72	33.56
50%	10	66.13	6.74	78.07	7.90	90.01	8.86	95.50	9.69	103.97	9.73	111.29	9.83	115.72	9.92
	12	66.13	6.87	78.07	8.04	90.01	9.02	95.50	9.87	103.97	9.91	111.29	10.01	114.70	10.10
	14	66.13	6.99	78.07	8.19	90.01	9.19	95.50	10.04	103.97	10.08	110.30	10.18	113.67	10.28
	16	66.13	7.11	78.07	8.33	90.01	9.35	95.50	10.22	103.97	10.26	109.30	10.36	112.65	10.46
	18	66.13	7.23	78.07	8.47	90.01	9.51	95.50	10.40	103.97	10.44	108.31	10.54	111.63	10.64
	19	66.13	7.36	78.07	8.62	90.01	9.67	95.50	10.57	103.97	10.61	107.32	10.72	110.60	10.83
	21	66.13	7.48	78.07	8.76	90.01	9.83	95.50	10.75	103.97	10.79	106.32	10.90	109.58	11.01
	23	66.13	7.60	78.07	8.91	90.01	9.99	95.50	10.92	103.97	10.97	105.33	11.08	108.55	11.19
	25	66.13	7.85	78.07	9.19	90.01	10.31	95.50	11.28	103.00	11.32	104.34	11.43	107.53	11.55
	27	66.13	7.97	78.07	9.34	90.01	10.47	95.50	11.45	102.03	11.50	103.34	11.61	106.51	11.73
	29	66.13	9.81	78.07	11.49	90.01	12.89	95.50	14.10	101.06	14.15	102.35	14.29	105.48	14.43
	31	66.13	11.04	78.07	12.93	90.01	14.50	95.50	15.86	100.09	15.92	101.36	16.08	104.46	16.24
	33	66.13	11.65	78.07	13.65	90.01	15.31	95.50	16.74	98.14	16.81	100.36	16.97	103.43	17.14
	35	66.13	12.26	78.07	14.36	90.01	16.11	95.50	17.62	97.17	17.69	99.37	17.87	102.41	18.04
	37	66.13	12.80	78.07	14.99	90.01	16.82	93.59	18.39	95.23	18.37	96.39	18.47	98.31	18.56
	39	66.13	13.24	78.07	15.51	90.01	17.40	92.92	19.03	94.26	19.02	95.39	19.26	96.26	19.39
	41	66.13	13.78	78.07	16.14	90.01	18.11	92.64	19.81	93.28	19.81	94.40	20.01	95.24	20.17
	43	66.13	14.47	78.07	16.95	90.01	19.02	91.68	20.79	92.31	20.88	93.41	21.05	94.73	21.14
	46	66.13	15.10	78.07	17.69	90.01	19.84	89.85	21.70	90.47	21.68	90.60	21.75	90.94	21.75
	48	66.13	15.63	78.07	18.30	90.01	20.54	89.20	22.46	89.54	22.44	89.67	22.69	89.04	22.73
	50	66.13	16.26	78.07	19.05	90.01	21.37	88.93	23.37	88.62	23.38	88.74	23.57	88.10	23.64

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	52.91	5.35	62.46	6.26	72.01	7.03	76.40	7.68	83.18	7.71	89.03	7.79	92.58	7.87
	12	52.91	5.44	62.46	6.38	72.01	7.15	76.40	7.82	83.18	7.85	89.03	7.93	91.76	8.01
	14	52.91	5.54	62.46	6.49	72.01	7.28	76.40	7.96	83.18	7.99	88.24	8.07	90.94	8.15
	16	52.91	5.64	62.46	6.60	72.01	7.41	76.40	8.10	83.18	8.13	87.44	8.21	90.12	8.30
	18	52.91	5.73	62.46	6.72	72.01	7.54	76.40	8.24	83.18	8.27	86.65	8.36	89.30	8.44
	19	52.91	5.83	62.46	6.83	72.01	7.67	76.40	8.38	83.18	8.41	85.85	8.50	88.48	8.58
	21	52.91	5.93	62.46	6.95	72.01	7.79	76.40	8.52	83.18	8.56	85.06	8.64	87.66	8.72
	23	52.91	6.03	62.46	7.06	72.01	7.92	76.40	8.66	83.18	8.70	84.26	8.78	86.84	8.87
	25	52.91	6.22	62.46	7.29	72.01	8.18	76.40	8.94	82.40	8.98	83.47	9.06	86.02	9.15
	27	52.91	6.32	62.46	7.40	72.01	8.30	76.40	9.08	81.62	9.12	82.67	9.21	85.20	9.30
	29	52.91	7.78	62.46	9.11	72.01	10.22	76.40	11.18	80.85	11.22	81.88	11.33	84.39	11.44
	31	52.91	8.75	62.46	10.25	72.01	11.50	76.40	12.57	80.07	12.62	81.08	12.75	83.57	12.87
	33	52.91	9.23	62.46	10.82	72.01	12.14	76.40	13.27	78.51	13.32	80.29	13.46	82.75	13.59
	35	52.91	9.72	62.46	11.39	72.01	12.78	76.40	13.97	77.74	14.02	79.49	14.16	81.93	14.30
	37	52.91	10.14	62.46	11.88	72.01	13.33	74.87	14.58	76.18	14.57	77.11	14.64	78.65	14.71
	39	52.91	10.50	62.46	12.30	72.01	13.80	74.34	15.09	75.40	15.08	76.31	15.27	77.01	15.38
	41	52.91	10.93	62.46	12.80	72.01	14.36	74.11	15.70	74.63	15.71	75.52	15.86	76.19	15.99
	43	52.91	11.47	62.46	13.44	72.01	15.07	73.34	16.48	73.85	16.55	74.72	16.68	75.78	16.76
	46	52.91	11.97	62.46	14.02	72.01	15.73	71.88	17.20	72.37	17.19	72.48	17.25	72.75	17.24
	48	52.91	12.39	62.46	14.51	72.01	16.28	71.36	17.80	71.63	17.79	71.74	17.99	71.24	18.02
	50	52.91	12.89	62.46	15.10	72.01	16.94	71.14	18.53	70.90	18.54	70.99	18.69	70.48	18.74
30%	10	39.68	4.89	46.84	5.73	54.01	6.43	57.30	7.03	62.38	7.06	66.78	7.13	69.43	7.20
	12	39.68	4.98	46.84	5.83	54.01	6.55	57.30	7.16	62.38	7.19	66.78	7.26	68.82	7.33
	14	39.68	5.07	46.84	5.94	54.01	6.66	57.30	7.29	62.38	7.31	66.18	7.39	68.20	7.46
	16	39.68	5.16	46.84	6.04	54.01	6.78	57.30	7.41	62.38	7.44	65.58	7.52	67.59	7.59
	18	39.68	5.25	46.84	6.15	54.01	6.90	57.30	7.54	62.38	7.57	64.99	7.65	66.98	7.72
	19	39.68	5.34	46.84	6.25	54.01	7.01	57.30	7.67	62.38	7.70	64.39	7.78	66.36	7.85
	21	39.68	5.43	46.84	6.36	54.01	7.13	57.30	7.80	62.38	7.83	63.79	7.91	65.75	7.98
	23	39.68	5.51	46.84	6.46	54.01	7.25	57.30	7.92	62.38	7.96	63.20	8.04	65.13	8.11
	25	39.68	5.69	46.84	6.67	54.01	7.48	57.30	8.18	61.80	8.21	62.60	8.29	64.52	8.38
	27	39.68	5.78	46.84	6.77	54.01	7.60	57.30	8.31	61.22	8.34	62.01	8.42	63.90	8.51
	29	39.68	7.12	46.84	8.34	54.01	9.35	57.30	10.23	60.63	10.27	61.41	10.37	63.29	10.47
	31	39.68	8.00	46.84	9.38	54.01	10.52	57.30	11.50	60.05	11.55	60.81	11.66	62.67	11.78
	33	39.68	8.45	46.84	9.90	54.01	11.11	57.30	12.14	58.89	12.19	60.22	12.31	62.06	12.43
	35	39.68	8.89	46.84	10.42	54.01	11.69	57.30	12.78	58.30	12.83	59.62	12.96	61.45	13.09
	37	39.68	9.28	46.84	10.87	54.01	12.20	56.15	13.34	57.14	13.33	57.83	13.40	58.99	13.46
	39	39.68	9.61	46.84	11.25	54.01	12.62	55.75	13.80	56.55	13.80	57.24	13.97	57.76	14.07
	41	39.68	10.00	46.84	11.71	54.01	13.14	55.58	14.37	55.97	14.37	56.64	14.52	57.14	14.63
	43	39.68	10.50	46.84	12.29	54.01	13.79	55.01	15.08	55.39	15.14	56.04	15.27	56.84	15.34
	46	39.68	10.95	46.84	12.83	54.01	14.40	53.91	15.74	54.28	15.73	54.36	15.78	54.56	15.78
	48	39.68	11.33	46.84	13.28	54.01	14.90	53.52	16.29	53.73	16.28	53.80	16.46	53.43	16.49
	50	39.68	11.80	46.84	13.82	54.01	15.50	53.36	16.95	53.17	16.96	53.24	17.10	52.86	17.15
20%	10	26.45	2.83	31.23	3.32	36.00	3.72	38.20	4.07	41.59	4.08	44.52	4.12	46.29	4.16
	12	26.45	2.88	31.23	3.38	36.00	3.79	38.20	4.14	41.59	4.16	44.52	4.20	45.88	4.24
	14	26.45	2.93	31.23	3.44	36.00	3.86	38.20	4.22	41.59	4.23	44.12	4.27	45.47	4.32
	16	26.45	2.98	31.23	3.50	36.00	3.92	38.20	4.29	41.59	4.31	43.72	4.35	45.06	4.39
	18	26.45	3.04	31.23	3.56	36.00	3.99	38.20	4.36	41.59	4.38	43.32	4.42	44.65	4.47
	19	26.45	3.09	31.23	3.62	36.00	4.06	38.20	4.44	41.59	4.45	42.93	4.50	44.24	4.54
	21	26.45	3.14	31.23	3.68	36.00	4.13	38.20	4.51	41.59	4.53	42.53	4.57	43.83	4.62
	23	26.45	3.19	31.23	3.74	36.00	4.19	38.20	4.59	41.59	4.60	42.13	4.65	43.42	4.69
	25	26.45	3.29	31.23	3.86	36.00	4.33	38.20	4.73	41.20	4.75	41.73	4.80	43.01	4.85
	27	26.45	3.34	31.23	3.92	36.00	4.40	38.20	4.81	40.81	4.83	41.34	4.87	42.60	4.92
	29	26.45	4.12	31.23	4.82	36.00	5.41	38.20	5.92	40.42	5.94	40.94	6.00	42.19	6.06
	31	26.45	4.63	31.23	5.43	36.00	6.09	38.20	6.66	40.03	6.68	40.54	6.75	41.78	6.81
	33	26.45	4.89	31.23	5.73	36.00	6.43	38.20	7.03	39.26	7.05	40.14	7.12	41.37	7.19
	35	26.45	5.15	31.23	6.03	36.00	6.76	38.20	7.40	38.87	7.42	39.75	7.50	40.96	7.57
	37	26.45	5.37	31.23	6.29	36.00	7.06	37.44	7.72	38.09	7.71	38.55	7.75	39.33	7.79
	39	26.45	5.56	31.23	6.51	36.00	7.30	37.17	7.99	37.70	7.98	38.16	8.08	38.51	8.14
	41	26.45	5.78	31.23	6.78	36.00	7.60	37.05	8.31	37.31	8.32	37.76	8.40	38.10	8.47
	43	26.45	6.07	31.23	7.11	36.00	7.98	36.67	8.73	36.93	8.76	37.36	8.83	37.89	8.87
	46	26.45	6.34	31.23	7.42	36.00	8.33	35.94	9.11	36.19	9.10	36.24	9.13	36.38	9.13
	48	26.45	6.56	31.23	7.68	36.00	8.62	35.68	9.42	35.82	9.42	35.87	9.52	35.62	9.54
	50	26.45	6.83	31.23	8.00	36.00	8.97	35.57	9.81	35.45	9.81	35.49	9.89	35.24	9.92

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR700ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	149.20	25.66	176.13	30.05	203.06	33.72	215.45	37.34	234.56	37.02	251.07	37.38	261.07	37.75
	12	149.20	26.12	176.13	30.60	203.06	34.33	215.45	38.01	234.56	37.69	251.07	38.06	258.76	38.44
	14	149.20	26.59	176.13	31.15	203.06	34.94	215.45	38.69	234.56	38.36	248.83	38.74	256.45	39.12
	16	149.20	27.05	176.13	31.69	203.06	35.56	215.45	39.37	234.56	39.04	246.59	39.42	254.14	39.81
	18	149.20	27.52	176.13	32.24	203.06	36.17	215.45	40.05	234.56	39.71	244.35	40.10	251.83	40.50
	19	149.20	27.99	176.13	32.79	196.97	36.78	215.45	40.73	234.56	40.38	242.11	40.78	249.52	41.18
	21	149.20	28.45	176.13	33.33	203.06	37.40	215.45	41.41	234.56	41.06	239.87	41.46	247.21	41.87
	23	149.20	28.92	176.13	33.88	203.06	38.01	215.45	42.09	234.56	41.73	237.62	42.14	244.90	42.55
	25	149.20	29.85	176.13	34.97	203.06	39.24	215.45	43.45	232.37	43.07	235.38	43.50	242.59	43.93
	27	149.20	30.32	176.13	35.52	203.06	39.85	215.45	44.12	230.18	43.75	233.14	44.18	240.28	44.61
	29	149.20	37.32	176.13	43.71	203.06	49.05	215.45	54.31	227.99	53.84	230.90	54.38	237.97	54.91
	31	149.20	41.98	176.13	49.18	203.06	55.18	215.45	61.09	225.80	60.57	228.66	61.17	235.66	61.77
	33	149.20	44.31	176.13	51.91	203.06	58.24	215.45	64.49	221.41	63.94	226.42	64.57	233.35	65.21
	35	149.20	46.65	176.13	54.64	203.06	61.31	215.45	67.88	219.22	67.30	224.17	67.97	231.04	68.64
	37	149.20	48.68	176.13	57.03	203.06	63.98	211.14	70.84	214.83	69.90	217.45	70.25	221.79	70.60
	39	149.20	50.38	176.13	59.01	203.06	66.21	209.63	73.31	212.64	72.35	215.21	73.27	217.17	73.78
	41	149.20	52.43	176.13	61.42	203.06	68.91	208.98	76.30	210.45	75.38	212.97	76.13	214.86	76.74
	43	149.20	55.04	176.13	64.48	203.06	72.34	206.83	80.10	208.26	79.42	210.72	80.07	213.71	80.44
	46	149.20	57.44	176.13	67.29	203.06	75.50	202.69	83.59	204.09	82.48	204.40	82.76	205.16	82.74
	48	149.20	59.45	176.13	69.64	203.06	78.13	201.25	86.51	202.01	85.38	202.29	86.31	200.89	86.48
	50	149.20	61.87	176.13	72.47	203.06	81.31	200.63	90.03	199.93	88.95	200.19	89.68	198.75	89.93
120%	10	146.77	25.41	173.26	29.76	199.75	33.39	211.94	36.97	230.74	36.66	246.99	37.02	256.82	37.38
	12	146.77	25.87	173.26	30.30	199.75	34.00	211.94	37.65	230.74	37.32	246.99	37.69	254.55	38.06
	14	146.77	26.33	173.26	30.84	199.75	34.61	211.94	38.32	230.74	37.99	244.78	38.37	252.27	38.74
	16	146.77	26.79	173.26	31.39	199.75	35.21	211.94	38.99	230.74	38.66	242.58	39.04	250.00	39.42
	18	146.77	27.25	173.26	31.93	199.75	35.82	211.94	39.66	230.74	39.32	240.37	39.71	247.73	40.10
	19	146.77	27.72	173.26	32.47	199.75	36.43	211.94	40.33	230.74	39.99	238.16	40.39	245.45	40.78
	21	146.77	28.18	173.26	33.01	199.75	37.03	211.94	41.01	230.74	40.66	235.96	41.06	243.18	41.46
	23	146.77	28.64	173.26	33.55	199.75	37.64	211.94	41.68	230.74	41.32	233.75	41.73	240.91	42.14
	25	146.77	29.56	173.26	34.63	199.75	38.86	211.94	43.02	228.59	42.66	231.55	43.08	238.64	43.50
	27	146.77	30.03	173.26	35.17	199.75	39.46	211.94	43.70	226.43	43.32	229.34	43.75	236.36	44.18
	29	146.77	36.95	173.26	43.29	199.75	48.57	211.94	53.78	224.27	53.32	227.14	53.85	234.09	54.38
	31	146.77	41.57	173.26	48.70	199.75	54.64	211.94	60.50	222.12	59.99	224.93	60.58	231.82	61.17
	33	146.77	43.88	173.26	51.41	199.75	57.68	211.94	63.86	217.80	63.32	222.73	63.95	229.55	64.57
	35	146.77	46.19	173.26	54.11	199.75	60.71	211.94	67.22	215.65	66.65	220.52	67.31	227.27	67.97
	37	146.77	48.21	173.26	56.47	199.75	63.36	207.70	70.16	211.34	69.22	213.91	69.57	218.18	69.91
	39	146.77	49.89	173.26	58.44	199.75	65.57	206.22	72.60	209.18	71.65	211.70	72.56	213.64	73.07
	41	146.77	51.92	173.26	60.82	199.75	68.24	205.58	75.56	207.02	74.65	209.50	75.39	211.36	75.99
	43	146.77	54.51	173.26	63.85	199.75	71.64	203.46	79.32	204.87	78.65	207.29	79.29	210.23	79.66
	46	146.77	56.89	173.26	66.64	199.75	74.76	199.39	82.78	200.77	81.68	201.07	81.96	201.82	81.94
	48	146.77	58.87	173.26	68.96	199.75	77.37	197.97	85.67	198.72	84.55	199.00	85.48	197.61	85.64
	50	146.77	61.27	173.26	71.77	199.75	80.52	197.36	89.16	196.67	88.09	196.93	88.81	195.51	89.06
110%	10	144.34	24.80	170.39	29.05	196.45	32.60	208.43	36.09	226.92	35.79	242.90	36.14	252.57	36.49
	12	144.34	25.25	170.39	29.58	196.45	33.19	208.43	36.75	226.92	36.44	242.90	36.80	250.33	37.16
	14	144.34	25.70	170.39	30.11	196.45	33.78	208.43	37.41	226.92	37.09	240.73	37.45	248.10	37.82
	16	144.34	26.15	170.39	30.64	196.45	34.37	208.43	38.06	226.92	37.74	238.56	38.11	245.86	38.48
	18	144.34	26.61	170.39	31.17	196.45	34.97	208.43	38.72	226.92	38.39	236.39	38.77	243.63	39.15
	19	144.34	27.06	170.39	31.69	196.45	35.56	208.43	39.37	226.92	39.04	234.22	39.42	241.39	39.81
	21	144.34	27.51	170.39	32.22	196.45	36.15	208.43	40.03	226.92	39.69	232.05	40.08	239.16	40.47
	23	144.34	27.96	170.39	32.75	196.45	36.74	208.43	40.69	226.92	40.34	229.88	40.74	236.92	41.14
	25	144.34	28.86	170.39	33.81	196.45	37.93	208.43	42.00	224.80	41.64	227.72	42.05	234.69	42.47
	27	144.34	29.31	170.39	34.34	196.45	38.52	208.43	42.66	222.68	42.29	225.55	42.71	232.45	43.13
	29	144.34	36.08	170.39	42.26	196.45	47.41	208.43	52.50	220.56	52.05	223.38	52.57	230.22	53.08
	31	144.34	40.58	170.39	47.54	196.45	53.34	208.43	59.06	218.44	58.56	221.21	59.14	227.98	59.72
	33	144.34	42.84	170.39	50.18	196.45	56.30	208.43	62.34	214.20	61.81	219.04	62.42	225.75	63.03
	35	144.34	45.09	170.39	52.82	196.45	59.27	208.43	65.62	212.08	65.06	216.87	65.71	223.51	66.35
	37	144.34	47.06	170.39	55.13	196.45	61.85	204.26	68.48	207.84	67.58	210.37	67.92	214.57	68.25
	39	144.34	48.70	170.39	57.05	196.45	64.01	202.80	70.87	205.72	69.94	208.20	70.83	210.10	71.33
	41	144.34	50.69	170.39	59.37	196.45	66.62	202.18	73.76	203.59	72.87	206.03	73.59	207.86	74.18
	43	144.34	53.21	170.39	62.33	196.45	69.93	200.09	77.44	201.47	76.78	203.86	77.40	206.75	77.76
	46	144.34	55.53	170.39	65.05	196.45	72.98	196.09	80.81	197.44	79.74	197.74	80.00	198.48	79.99
	48	144.34	57.47	170.39	67.32	196.45	75.53	194.69	83.63	195.43	82.53	195.71	83.44	194.34	83.60
	50	144.34	59.81	170.39	70.06	196.45	78.61	194.09	87.04	193.42	85.99	193.67	86.69	192.27	86.94

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	136.08	23.49	160.64	27.51	185.20	30.87	196.50	33.55	213.93	33.89	228.99	34.22	238.11	34.56
	12	136.08	23.91	160.64	28.01	185.20	31.43	196.50	34.16	213.93	34.50	228.99	34.84	236.00	35.18
	14	136.08	24.34	160.64	28.51	185.20	31.99	196.50	34.77	213.93	35.12	226.95	35.47	233.90	35.81
	16	136.08	24.77	160.64	29.01	185.20	32.55	196.50	35.38	213.93	35.73	224.90	36.09	231.79	36.44
	18	136.08	25.19	160.64	29.51	185.20	33.11	196.50	35.99	213.93	36.35	222.86	36.71	229.68	37.07
	19	136.08	25.62	160.64	30.01	185.20	33.67	196.50	36.60	213.93	36.97	220.81	37.33	227.57	37.70
	21	136.08	26.05	160.64	30.51	185.20	34.23	196.50	37.21	213.93	37.58	218.77	37.95	225.47	38.33
	23	136.08	26.47	160.64	31.01	185.20	34.79	196.50	37.82	213.93	38.20	216.73	38.58	223.36	38.95
	25	136.08	27.33	160.64	32.01	185.20	35.92	196.50	39.04	211.94	39.43	214.68	39.82	221.25	40.21
	27	136.08	27.76	160.64	32.51	185.20	36.48	196.50	39.65	209.94	40.05	212.64	40.44	219.15	40.84
	29	136.08	34.16	160.64	40.02	185.20	44.90	196.50	48.80	207.94	49.29	210.59	49.78	217.04	50.26
	31	136.08	38.43	160.64	45.02	185.20	50.51	196.50	54.90	205.94	55.45	208.55	56.00	214.93	56.55
	33	136.08	40.57	160.64	47.52	185.20	53.31	196.50	57.95	201.94	58.53	206.50	59.11	212.82	59.69
	35	136.08	42.70	160.64	50.02	185.20	56.12	196.50	61.00	199.94	61.61	204.46	62.22	210.72	62.83
	37	136.08	44.56	160.64	52.20	185.20	58.57	192.57	63.66	195.94	63.99	198.32	64.31	202.29	64.63
	39	136.08	46.12	160.64	54.02	185.20	60.61	191.19	65.88	193.94	66.23	196.28	67.07	198.07	67.54
	41	136.08	47.99	160.64	56.22	185.20	63.08	190.61	68.56	191.94	69.00	194.24	69.69	195.97	70.24
	43	136.08	50.39	160.64	59.02	185.20	66.22	188.64	71.98	189.94	72.70	192.19	73.30	194.91	73.64
	46	136.08	52.58	160.64	61.60	185.20	69.11	184.87	75.12	186.14	75.51	186.43	75.76	187.12	75.74
	48	136.08	54.42	160.64	63.75	185.20	71.52	183.55	77.74	184.24	78.15	184.50	79.01	183.22	79.16
	50	136.08	56.63	160.64	66.34	185.20	74.43	182.98	80.91	182.34	81.42	182.58	82.09	181.27	82.33
90%	10	122.47	19.71	144.57	23.09	166.68	25.91	176.85	28.69	192.54	28.44	206.09	28.72	214.30	29.01
	12	122.47	20.07	144.57	23.51	166.68	26.38	176.85	29.21	192.54	28.96	206.09	29.25	212.40	29.53
	14	122.47	20.43	144.57	23.93	166.68	26.85	176.85	29.73	192.54	29.48	204.25	29.77	210.51	30.06
	16	122.47	20.79	144.57	24.35	166.68	27.32	176.85	30.25	192.54	29.99	202.41	30.29	208.61	30.59
	18	122.47	21.15	144.57	24.77	166.68	27.79	176.85	30.77	192.54	30.51	200.57	30.81	206.71	31.12
	19	122.47	21.51	144.57	25.19	166.68	28.26	176.85	31.30	192.54	31.03	198.73	31.34	204.82	31.64
	21	122.47	21.86	144.57	25.61	166.68	28.74	176.85	31.82	192.54	31.55	196.89	31.86	202.92	32.17
	23	122.47	22.22	144.57	26.03	166.68	29.21	176.85	32.34	192.54	32.06	195.05	32.38	201.02	32.70
	25	122.47	22.94	144.57	26.87	166.68	30.15	176.85	33.38	190.74	33.10	193.21	33.43	199.13	33.75
	27	122.47	23.30	144.57	27.29	166.68	30.62	176.85	33.90	188.94	33.61	191.37	33.95	197.23	34.28
	29	122.47	28.67	144.57	33.59	166.68	37.69	176.85	41.73	187.14	41.37	189.53	41.78	195.33	42.19
	31	122.47	32.26	144.57	37.79	166.68	42.40	176.85	46.94	185.34	46.54	187.69	47.00	193.44	47.47
	33	122.47	34.05	144.57	39.89	166.68	44.75	176.85	49.55	181.74	49.13	185.85	49.62	191.54	50.10
	35	122.47	35.84	144.57	41.99	166.68	47.11	176.85	52.16	179.94	51.72	184.01	52.23	189.65	52.74
	37	122.47	37.40	144.57	43.82	166.68	49.16	173.31	54.43	176.35	53.71	178.49	53.98	182.06	54.25
	39	122.47	38.71	144.57	45.35	166.68	50.88	172.08	56.33	174.55	55.59	176.65	56.30	178.27	56.69
	41	122.47	40.29	144.57	47.19	166.68	52.95	171.54	58.63	172.75	57.92	174.81	58.49	176.37	58.96
	43	122.47	42.29	144.57	49.54	166.68	55.59	169.78	61.55	170.95	61.02	172.97	61.52	175.42	61.81
	46	122.47	44.14	144.57	51.70	166.68	58.01	166.38	64.23	167.53	63.38	167.78	63.59	168.40	63.58
	48	122.47	45.68	144.57	53.51	166.68	60.03	165.19	66.47	165.82	65.60	166.05	66.32	164.90	66.45
	50	122.47	47.54	144.57	55.69	166.68	62.48	164.68	69.18	164.11	68.35	164.32	68.91	163.14	69.10
80%	10	108.86	16.15	128.51	18.92	148.16	21.23	157.20	23.51	171.15	23.31	183.19	23.54	190.49	23.77
	12	108.86	16.45	128.51	19.27	148.16	21.62	157.20	23.94	171.15	23.73	183.19	23.97	188.80	24.20
	14	108.86	16.74	128.51	19.61	148.16	22.00	157.20	24.36	171.15	24.16	181.56	24.40	187.12	24.64
	16	108.86	17.04	128.51	19.96	148.16	22.39	157.20	24.79	171.15	24.58	179.92	24.82	185.43	25.07
	18	108.86	17.33	128.51	20.30	148.16	22.78	157.20	25.22	171.15	25.00	178.29	25.25	183.75	25.50
	19	108.86	17.62	128.51	20.64	148.16	23.16	157.20	25.65	171.15	25.43	176.65	25.68	182.06	25.93
	21	108.86	17.92	128.51	20.99	148.16	23.55	157.20	26.07	171.15	25.85	175.02	26.11	180.37	26.36
	23	108.86	18.21	128.51	21.33	148.16	23.93	157.20	26.50	171.15	26.28	173.38	26.54	178.69	26.80
	25	108.86	18.80	128.51	22.02	148.16	24.71	157.20	27.36	169.55	27.12	171.74	27.39	177.00	27.66
	27	108.86	19.09	128.51	22.37	148.16	25.09	157.20	27.78	167.95	27.55	170.11	27.82	175.32	28.09
	29	108.86	23.50	128.51	27.53	148.16	30.88	157.20	34.20	166.35	33.90	168.47	34.24	173.63	34.58
	31	108.86	26.44	128.51	30.97	148.16	34.74	157.20	38.47	164.75	38.14	166.84	38.52	171.94	38.90
	33	108.86	27.90	128.51	32.69	148.16	36.67	157.20	40.61	161.55	40.26	165.20	40.66	170.26	41.06
	35	108.86	29.37	128.51	34.41	148.16	38.60	157.20	42.74	159.95	42.38	163.57	42.80	168.57	43.22
	37	108.86	30.65	128.51	35.91	148.16	40.29	154.06	44.61	156.75	44.02	158.66	44.24	161.83	44.46
	39	108.86	31.72	128.51	37.16	148.16	41.69	152.96	46.16	155.15	45.56	157.02	46.14	158.46	46.46
	41	108.86	33.01	128.51	38.67	148.16	43.39	152.48	48.05	153.55	47.47	155.39	47.94	156.77	48.32
	43	108.86	34.66	128.51	40.60	148.16	45.55	150.91	50.44	151.95	50.01	153.75	50.42	155.93	50.65
	46	108.86	36.17	128.51	42.37	148.16	47.54	147.89	52.64	148.91	51.94	149.14	52.11	149.69	52.10
	48	108.86	37.43	128.51	43.85	148.16	49.20	146.84	54.47	147.39	53.76	147.60	54.35	146.57	54.45
	50	108.86	38.96	128.51	45.64	148.16	51.20	146.38	56.69	145.88	56.01	146.06	56.47	145.02	56.63

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	95.25	12.85	112.45	15.05	129.64	16.88	137.55	18.69	149.75	18.53	160.30	18.72	166.68	18.90
	12	95.25	13.08	112.45	15.32	129.64	17.19	137.55	19.03	149.75	18.87	160.30	19.06	165.20	19.25
	14	95.25	13.31	112.45	15.59	129.64	17.50	137.55	19.37	149.75	19.21	158.86	19.40	163.73	19.59
	16	95.25	13.55	112.45	15.87	129.64	17.80	137.55	19.71	149.75	19.55	157.43	19.74	162.25	19.93
	18	95.25	13.78	112.45	16.14	129.64	18.11	137.55	20.05	149.75	19.88	156.00	20.08	160.78	20.28
	19	95.25	14.01	112.45	16.42	129.64	18.42	137.55	20.39	149.75	20.22	154.57	20.42	159.30	20.62
	21	95.25	14.25	112.45	16.69	129.64	18.72	137.55	20.73	149.75	20.56	153.14	20.76	157.83	20.96
	23	95.25	14.48	112.45	16.96	129.64	19.03	137.55	21.07	149.75	20.89	151.71	21.10	156.35	21.31
	25	95.25	14.95	112.45	17.51	129.64	19.65	137.55	21.75	148.35	21.57	150.28	21.78	154.88	21.99
	27	95.25	15.18	112.45	17.78	129.64	19.95	137.55	22.09	146.95	21.90	148.85	22.12	153.40	22.34
	29	95.25	18.68	112.45	21.89	129.64	24.56	137.55	27.19	145.56	26.96	147.41	27.23	151.93	27.49
	31	95.25	21.02	112.45	24.62	129.64	27.63	137.55	30.59	144.16	30.33	145.98	30.63	150.45	30.93
	33	95.25	22.19	112.45	25.99	129.64	29.16	137.55	32.29	141.36	32.01	144.55	32.33	148.98	32.65
	35	95.25	23.36	112.45	27.36	129.64	30.70	137.55	33.99	139.96	33.70	143.12	34.03	147.50	34.37
	37	95.25	24.37	112.45	28.55	129.64	32.03	134.80	35.47	137.16	35.00	138.83	35.18	141.60	35.35
	39	95.25	25.22	112.45	29.55	129.64	33.15	133.84	36.71	135.76	36.23	137.40	36.69	138.65	36.94
	41	95.25	26.25	112.45	30.75	129.64	34.50	133.42	38.20	134.36	37.74	135.96	38.12	137.18	38.42
	43	95.25	27.56	112.45	32.28	129.64	36.22	132.05	40.11	132.96	39.76	134.53	40.09	136.44	40.28
	46	95.25	28.76	112.45	33.69	129.64	37.80	129.41	41.86	130.30	41.30	130.50	41.44	130.98	41.43
	48	95.25	29.76	112.45	34.87	129.64	39.12	128.48	43.32	128.97	42.75	129.15	43.22	128.25	43.30
	50	95.25	30.98	112.45	36.29	129.64	40.71	128.09	45.08	127.64	44.54	127.81	44.90	126.89	45.03
60%	10	81.65	9.75	96.38	11.42	111.12	12.81	117.90	14.19	128.36	14.07	137.40	14.21	142.87	14.35
	12	81.65	9.93	96.38	11.63	111.12	13.05	117.90	14.45	128.36	14.32	137.40	14.47	141.60	14.61
	14	81.65	10.10	96.38	11.84	111.12	13.28	117.90	14.70	128.36	14.58	136.17	14.72	140.34	14.87
	16	81.65	10.28	96.38	12.04	111.12	13.51	117.90	14.96	128.36	14.83	134.94	14.98	139.07	15.13
	18	81.65	10.46	96.38	12.25	111.12	13.75	117.90	15.22	128.36	15.09	133.72	15.24	137.81	15.39
	19	81.65	10.64	96.38	12.46	111.12	13.98	117.90	15.48	128.36	15.35	132.49	15.50	136.54	15.65
	21	81.65	10.81	96.38	12.67	111.12	14.21	117.90	15.74	128.36	15.60	131.26	15.76	135.28	15.91
	23	81.65	10.99	96.38	12.87	111.12	14.44	117.90	15.99	128.36	15.86	130.04	16.02	134.02	16.17
	25	81.65	11.35	96.38	13.29	111.12	14.91	117.90	16.51	127.16	16.37	128.81	16.53	132.75	16.69
	27	81.65	11.52	96.38	13.50	111.12	15.14	117.90	16.77	125.96	16.63	127.58	16.79	131.49	16.95
	29	81.65	14.18	96.38	16.61	111.12	18.64	117.90	20.64	124.76	20.46	126.36	20.66	130.22	20.87
	31	81.65	15.95	96.38	18.69	111.12	20.97	117.90	23.22	123.56	23.02	125.13	23.25	128.96	23.48
	33	81.65	16.84	96.38	19.73	111.12	22.13	117.90	24.51	121.16	24.30	123.90	24.54	127.69	24.78
	35	81.65	17.73	96.38	20.77	111.12	23.30	117.90	25.80	119.96	25.58	122.67	25.83	126.43	26.08
	37	81.65	18.50	96.38	21.67	111.12	24.31	115.54	26.92	117.56	26.56	118.99	26.70	121.37	26.83
	39	81.65	19.15	96.38	22.43	111.12	25.16	114.72	27.86	116.36	27.50	117.77	27.85	118.84	28.04
	41	81.65	19.93	96.38	23.34	111.12	26.19	114.36	29.00	115.16	28.65	116.54	28.93	117.58	29.16
	43	81.65	20.92	96.38	24.50	111.12	27.49	113.18	30.44	113.97	30.18	115.31	30.43	116.95	30.57
	46	81.65	21.83	96.38	25.57	111.12	28.69	110.92	31.77	111.69	31.35	111.86	31.45	112.27	31.44
	48	81.65	22.59	96.38	26.46	111.12	29.69	110.13	32.88	110.55	32.45	110.70	32.80	109.93	32.86
	50	81.65	23.51	96.38	27.54	111.12	30.90	109.79	34.22	109.41	33.80	109.55	34.08	108.76	34.18
50%	10	68.04	6.87	80.32	8.04	92.60	9.03	98.25	9.99	106.97	9.91	114.50	10.01	119.05	10.11
	12	68.04	6.99	80.32	8.19	92.60	9.19	98.25	10.18	106.97	10.09	114.50	10.19	118.00	10.29
	14	68.04	7.12	80.32	8.34	92.60	9.35	98.25	10.36	106.97	10.27	113.47	10.37	116.95	10.47
	16	68.04	7.24	80.32	8.48	92.60	9.52	98.25	10.54	106.97	10.45	112.45	10.55	115.89	10.66
	18	68.04	7.37	80.32	8.63	92.60	9.68	98.25	10.72	106.97	10.63	111.43	10.73	114.84	10.84
	19	68.04	7.49	80.32	8.78	92.60	9.85	98.25	10.90	106.97	10.81	110.41	10.92	113.79	11.02
	21	68.04	7.62	80.32	8.92	92.60	10.01	98.25	11.08	106.97	10.99	109.39	11.10	112.73	11.21
	23	68.04	7.74	80.32	9.07	92.60	10.17	98.25	11.27	106.97	11.17	108.36	11.28	111.68	11.39
	25	68.04	7.99	80.32	9.36	92.60	10.50	98.25	11.63	105.97	11.53	107.34	11.64	110.63	11.76
	27	68.04	8.12	80.32	9.51	92.60	10.67	98.25	11.81	104.97	11.71	106.32	11.83	109.57	11.94
	29	68.04	9.99	80.32	11.70	92.60	13.13	98.25	14.54	103.97	14.41	105.30	14.56	108.52	14.70
	31	68.04	11.24	80.32	13.16	92.60	14.77	98.25	16.35	102.97	16.21	104.27	16.38	107.47	16.54
	33	68.04	11.86	80.32	13.90	92.60	15.59	98.25	17.26	100.97	17.12	103.25	17.28	106.41	17.45
	35	68.04	12.49	80.32	14.63	92.60	16.41	98.25	18.17	99.97	18.02	102.23	18.19	105.36	18.37
	37	68.04	13.03	80.32	15.26	92.60	17.13	96.29	18.96	97.97	18.71	99.16	18.81	101.14	18.90
	39	68.04	13.49	80.32	15.80	92.60	17.72	95.60	19.62	96.97	19.37	98.14	19.61	99.04	19.75
	41	68.04	14.03	80.32	16.44	92.60	18.45	95.30	20.42	95.97	20.18	97.12	20.38	97.98	20.54
	43	68.04	14.73	80.32	17.26	92.60	19.36	94.32	21.44	94.97	21.26	96.10	21.43	97.46	21.53
	46	68.04	15.38	80.32	18.01	92.60	20.21	92.43	22.38	93.07	22.08	93.21	22.15	93.56	22.15
	48	68.04	15.91	80.32	18.64	92.60	20.91	91.77	23.16	92.12	22.85	92.25	23.11	91.61	23.15
	50	68.04	16.56	80.32	19.40	92.60	21.77	91.49	24.10	91.17	23.81	91.29	24.01	90.63	24.07

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	54.43	5.44	64.26	6.38	74.08	7.16	78.60	7.92	85.57	7.86	91.60	7.93	95.24	8.01
	12	54.43	5.54	64.26	6.49	74.08	7.29	78.60	8.07	85.57	8.00	91.60	8.08	94.40	8.16
	14	54.43	5.64	64.26	6.61	74.08	7.42	78.60	8.21	85.57	8.14	90.78	8.22	93.56	8.30
	16	54.43	5.74	64.26	6.73	74.08	7.55	78.60	8.36	85.57	8.28	89.96	8.37	92.72	8.45
	18	54.43	5.84	64.26	6.84	74.08	7.68	78.60	8.50	85.57	8.43	89.14	8.51	91.87	8.59
	19	54.43	5.94	64.26	6.96	74.08	7.81	78.60	8.64	85.57	8.57	88.33	8.65	91.03	8.74
	21	54.43	6.04	64.26	7.07	74.08	7.94	78.60	8.79	85.57	8.71	87.51	8.80	90.19	8.88
	23	54.43	6.14	64.26	7.19	74.08	8.07	78.60	8.93	85.57	8.86	86.69	8.94	89.34	9.03
	25	54.43	6.34	64.26	7.42	74.08	8.33	78.60	9.22	84.77	9.14	85.87	9.23	88.50	9.32
	27	54.43	6.43	64.26	7.54	74.08	8.46	78.60	9.36	83.97	9.28	85.05	9.38	87.66	9.47
	29	54.43	7.92	64.26	9.28	74.08	10.41	78.60	11.52	83.17	11.43	84.24	11.54	86.82	11.65
	31	54.43	8.91	64.26	10.44	74.08	11.71	78.60	12.96	82.37	12.85	83.42	12.98	85.97	13.11
	33	54.43	9.40	64.26	11.02	74.08	12.36	78.60	13.68	80.78	13.57	82.60	13.70	85.13	13.84
	35	54.43	9.90	64.26	11.60	74.08	13.01	78.60	14.41	79.98	14.28	81.78	14.42	84.29	14.57
	37	54.43	10.33	64.26	12.10	74.08	13.58	77.03	15.03	78.38	14.83	79.33	14.91	80.92	14.98
	39	54.43	10.69	64.26	12.52	74.08	14.05	76.48	15.56	77.58	15.35	78.51	15.55	79.23	15.66
	41	54.43	11.13	64.26	13.03	74.08	14.62	76.24	16.19	76.78	16.00	77.69	16.15	78.39	16.28
	43	54.43	11.68	64.26	13.68	74.08	15.35	75.46	17.00	75.98	16.85	76.88	16.99	77.97	17.07
	46	54.43	12.19	64.26	14.28	74.08	16.02	73.95	17.74	74.46	17.50	74.57	17.56	74.85	17.56
	48	54.43	12.61	64.26	14.78	74.08	16.58	73.42	18.36	73.70	18.12	73.80	18.32	73.29	18.35
	50	54.43	13.13	64.26	15.38	74.08	17.25	73.19	19.11	72.94	18.88	73.03	19.03	72.51	19.08
30%	10	40.82	4.98	48.19	5.84	55.56	6.55	58.95	7.25	64.18	7.19	68.70	7.26	71.43	7.33
	12	40.82	5.07	48.19	5.94	55.56	6.67	58.95	7.38	64.18	7.32	68.70	7.39	70.80	7.46
	14	40.82	5.16	48.19	6.05	55.56	6.79	58.95	7.51	64.18	7.45	68.08	7.52	70.17	7.60
	16	40.82	5.25	48.19	6.15	55.56	6.90	58.95	7.65	64.18	7.58	67.47	7.65	69.54	7.73
	18	40.82	5.34	48.19	6.26	55.56	7.02	58.95	7.78	64.18	7.71	66.86	7.79	68.90	7.86
	19	40.82	5.43	48.19	6.37	55.56	7.14	58.95	7.91	64.18	7.84	66.24	7.92	68.27	8.00
	21	40.82	5.53	48.19	6.47	55.56	7.26	58.95	8.04	64.18	7.97	65.63	8.05	67.64	8.13
	23	40.82	5.62	48.19	6.58	55.56	7.38	58.95	8.17	64.18	8.10	65.02	8.18	67.01	8.26
	25	40.82	5.80	48.19	6.79	55.56	7.62	58.95	8.44	63.58	8.36	64.40	8.45	66.38	8.53
	27	40.82	5.89	48.19	6.90	55.56	7.74	58.95	8.57	62.98	8.49	63.79	8.58	65.74	8.66
	29	40.82	7.25	48.19	8.49	55.56	9.52	58.95	10.54	62.38	10.46	63.18	10.56	65.11	10.66
	31	40.82	8.15	48.19	9.55	55.56	10.71	58.95	11.86	61.78	11.76	62.56	11.88	64.48	11.99
	33	40.82	8.60	48.19	10.08	55.56	11.31	58.95	12.52	60.58	12.42	61.95	12.54	63.85	12.66
	35	40.82	9.06	48.19	10.61	55.56	11.90	58.95	13.18	59.98	13.07	61.34	13.20	63.22	13.33
	37	40.82	9.45	48.19	11.07	55.56	12.42	57.77	13.76	58.78	13.57	59.50	13.64	60.69	13.71
	39	40.82	9.78	48.19	11.46	55.56	12.86	57.36	14.24	58.18	14.05	58.88	14.23	59.42	14.33
	41	40.82	10.18	48.19	11.93	55.56	13.38	57.18	14.82	57.58	14.64	58.27	14.78	58.79	14.90
	43	40.82	10.69	48.19	12.52	55.56	14.05	56.59	15.55	56.98	15.42	57.66	15.55	58.47	15.62
	46	40.82	11.15	48.19	13.07	55.56	14.66	55.46	16.23	55.84	16.02	55.93	16.07	56.13	16.07
	48	40.82	11.54	48.19	13.52	55.56	15.17	55.06	16.80	55.27	16.58	55.35	16.76	54.97	16.79
	50	40.82	12.01	48.19	14.07	55.56	15.79	54.89	17.48	54.70	17.27	54.77	17.41	54.38	17.46
20%	10	27.22	2.88	32.13	3.38	37.04	3.79	39.30	4.19	42.79	4.16	45.80	4.20	47.62	4.24
	12	27.22	2.93	32.13	3.44	37.04	3.86	39.30	4.27	42.79	4.23	45.80	4.28	47.20	4.32
	14	27.22	2.99	32.13	3.50	37.04	3.93	39.30	4.35	42.79	4.31	45.39	4.35	46.78	4.40
	16	27.22	3.04	32.13	3.56	37.04	3.99	39.30	4.42	42.79	4.39	44.98	4.43	46.36	4.47
	18	27.22	3.09	32.13	3.62	37.04	4.06	39.30	4.50	42.79	4.46	44.57	4.51	45.94	4.55
	19	27.22	3.14	32.13	3.68	37.04	4.13	39.30	4.58	42.79	4.54	44.16	4.58	45.51	4.63
	21	27.22	3.20	32.13	3.74	37.04	4.20	39.30	4.65	42.79	4.61	43.75	4.66	45.09	4.70
	23	27.22	3.25	32.13	3.81	37.04	4.27	39.30	4.73	42.79	4.69	43.35	4.73	44.67	4.78
	25	27.22	3.35	32.13	3.93	37.04	4.41	39.30	4.88	42.39	4.84	42.94	4.89	44.25	4.94
	27	27.22	3.41	32.13	3.99	37.04	4.48	39.30	4.96	41.99	4.91	42.53	4.96	43.83	5.01
	29	27.22	4.19	32.13	4.91	37.04	5.51	39.30	6.10	41.59	6.05	42.12	6.11	43.41	6.17
	31	27.22	4.72	32.13	5.52	37.04	6.20	39.30	6.86	41.19	6.81	41.71	6.87	42.99	6.94
	33	27.22	4.98	32.13	5.83	37.04	6.54	39.30	7.24	40.39	7.18	41.30	7.25	42.56	7.33
	35	27.22	5.24	32.13	6.14	37.04	6.89	39.30	7.63	39.99	7.56	40.89	7.64	42.14	7.71
	37	27.22	5.47	32.13	6.41	37.04	7.19	38.51	7.96	39.19	7.85	39.66	7.89	40.46	7.93
	39	27.22	5.66	32.13	6.63	37.04	7.44	38.24	8.24	38.79	8.13	39.26	8.23	39.61	8.29
	41	27.22	5.89	32.13	6.90	37.04	7.74	38.12	8.57	38.39	8.47	38.85	8.55	39.19	8.62
	43	27.22	6.18	32.13	7.24	37.04	8.13	37.73	9.00	37.99	8.92	38.44	9.00	38.98	9.04
	46	27.22	6.45	32.13	7.56	37.04	8.48	36.97	9.39	37.23	9.27	37.29	9.30	37.42	9.30
	48	27.22	6.68	32.13	7.82	37.04	8.78	36.71	9.72	36.85	9.59	36.90	9.70	36.64	9.72
	50	27.22	6.95	32.13	8.14	37.04	9.13	36.60	10.11	36.47	9.99	36.52	10.07	36.25	10.10

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR720ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	153.37	26.83	181.06	31.43	208.74	35.27	221.48	38.76	241.13	38.72	258.10	39.10	268.38	39.48
	12	153.37	27.32	181.06	32.00	208.74	35.91	221.48	39.47	241.13	39.42	258.10	39.81	266.00	40.20
	14	153.37	27.81	181.06	32.58	208.74	36.55	221.48	40.17	241.13	40.12	255.80	40.52	263.63	40.92
	16	153.37	28.30	181.06	33.15	208.74	37.19	221.48	40.88	241.13	40.83	253.49	41.23	261.25	41.64
	18	153.37	28.78	181.06	33.72	208.74	37.83	221.48	41.58	241.13	41.53	251.19	41.94	258.88	42.35
	19	153.37	29.27	181.06	34.29	202.48	38.47	221.48	42.29	241.13	42.24	248.88	42.65	256.50	43.07
	21	153.37	29.76	181.06	34.86	208.74	39.11	221.48	42.99	241.13	42.94	246.58	43.37	254.13	43.79
	23	153.37	30.25	181.06	35.43	208.74	39.75	221.48	43.70	241.13	43.64	244.28	44.08	251.75	44.51
	25	153.37	31.22	181.06	36.58	208.74	41.04	221.48	45.11	238.88	45.05	241.97	45.50	249.38	45.94
	27	153.37	31.71	181.06	37.15	208.74	41.68	221.48	45.81	236.62	45.76	239.67	46.21	247.00	46.66
	29	153.37	39.03	181.06	45.72	208.74	51.30	221.48	56.38	234.37	56.31	237.36	56.87	244.63	57.43
	31	153.37	43.91	181.06	51.44	208.74	57.71	221.48	63.43	232.12	63.35	235.06	63.98	242.25	64.61
	33	153.37	46.35	181.06	54.29	208.74	60.91	221.48	66.95	227.61	66.87	232.75	67.54	239.88	68.20
	35	153.37	48.79	181.06	57.15	208.74	64.12	221.48	70.48	225.35	70.39	230.45	71.09	237.50	71.79
	37	153.37	50.91	181.06	59.64	208.74	66.92	217.05	73.55	220.85	73.11	223.53	73.48	228.00	73.84
	39	153.37	52.69	181.06	61.72	208.74	69.25	215.50	76.12	218.59	75.67	221.23	76.64	223.25	77.17
	41	153.37	54.84	181.06	64.24	208.74	72.07	214.83	79.22	216.34	78.84	218.93	79.62	220.88	80.26
	43	153.37	57.57	181.06	67.44	208.74	75.66	212.62	83.17	214.09	83.06	216.62	83.74	219.69	84.14
	46	153.37	60.08	181.06	70.38	208.74	78.96	208.37	86.79	209.80	86.27	210.12	86.56	210.90	86.54
	48	153.37	62.18	181.06	72.83	208.74	81.72	206.88	89.82	207.66	89.29	207.96	90.28	206.51	90.45
	50	153.37	64.71	181.06	75.80	208.74	85.04	206.24	93.48	205.52	93.03	205.79	93.79	204.31	94.06
120%	10	150.88	26.57	178.11	31.13	205.34	34.92	217.87	38.39	237.20	38.34	253.90	38.72	264.01	39.10
	12	150.88	27.06	178.11	31.69	205.34	35.56	217.87	39.08	237.20	39.04	253.90	39.42	261.67	39.81
	14	150.88	27.54	178.11	32.26	205.34	36.19	217.87	39.78	237.20	39.73	251.63	40.13	259.33	40.52
	16	150.88	28.02	178.11	32.83	205.34	36.83	217.87	40.48	237.20	40.43	249.36	40.83	257.00	41.23
	18	150.88	28.51	178.11	33.39	205.34	37.46	217.87	41.18	237.20	41.13	247.10	41.54	254.66	41.94
	19	150.88	28.99	178.11	33.96	205.34	38.10	217.87	41.88	237.20	41.83	244.83	42.24	252.33	42.65
	21	150.88	29.47	178.11	34.52	205.34	38.73	217.87	42.57	237.20	42.52	242.56	42.94	249.99	43.37
	23	150.88	29.95	178.11	35.09	205.34	39.37	217.87	43.27	237.20	43.22	240.30	43.65	247.65	44.08
	25	150.88	30.92	178.11	36.22	205.34	40.64	217.87	44.67	234.99	44.61	238.03	45.06	245.32	45.50
	27	150.88	31.40	178.11	36.79	205.34	41.27	217.87	45.37	232.77	45.31	235.76	45.76	242.98	46.21
	29	150.88	38.65	178.11	45.28	205.34	50.80	217.87	55.84	230.55	55.77	233.50	56.32	240.64	56.87
	31	150.88	43.48	178.11	50.94	205.34	57.15	217.87	62.82	228.33	62.74	231.23	63.36	238.31	63.98
	33	150.88	45.90	178.11	53.77	205.34	60.32	217.87	66.30	223.90	66.22	228.96	66.88	235.97	67.54
	35	150.88	48.31	178.11	56.60	205.34	63.50	217.87	69.79	221.68	69.71	226.70	70.40	233.63	71.09
	37	150.88	50.42	178.11	59.06	205.34	66.27	213.51	72.84	217.25	72.40	219.89	72.77	224.29	73.12
	39	150.88	52.18	178.11	61.12	205.34	68.58	211.99	75.38	215.03	74.94	217.63	75.89	219.62	76.42
	41	150.88	54.30	178.11	63.61	205.34	71.37	211.34	78.45	212.82	78.08	215.36	78.85	217.28	79.48
	43	150.88	57.01	178.11	66.78	205.34	74.93	209.16	82.36	210.60	82.26	213.09	82.93	216.11	83.32
	46	150.88	59.50	178.11	69.70	205.34	78.19	204.97	85.95	206.39	85.43	206.70	85.72	207.47	85.70
	48	150.88	61.57	178.11	72.13	205.34	80.92	203.51	88.95	204.28	88.43	204.57	89.40	203.15	89.57
	50	150.88	64.08	178.11	75.06	205.34	84.22	202.88	92.57	202.18	92.13	202.44	92.88	200.98	93.15
110%	10	148.38	25.94	175.16	30.39	201.94	34.09	214.26	37.47	233.27	37.43	249.70	37.80	259.64	38.17
	12	148.38	26.41	175.16	30.94	201.94	34.71	214.26	38.15	233.27	38.11	249.70	38.49	257.34	38.86
	14	148.38	26.88	175.16	31.49	201.94	35.33	214.26	38.84	233.27	38.79	247.47	39.17	255.04	39.56
	16	148.38	27.35	175.16	32.04	201.94	35.95	214.26	39.52	233.27	39.47	245.24	39.86	252.74	40.25
	18	148.38	27.83	175.16	32.60	201.94	36.57	214.26	40.20	233.27	40.15	243.01	40.55	250.45	40.94
	19	148.38	28.30	175.16	33.15	201.94	37.19	214.26	40.88	233.27	40.83	240.78	41.23	248.15	41.64
	21	148.38	28.77	175.16	33.70	201.94	37.81	214.26	41.56	233.27	41.51	238.55	41.92	245.85	42.33
	23	148.38	29.24	175.16	34.25	201.94	38.43	214.26	42.24	233.27	42.19	236.32	42.61	243.55	43.03
	25	148.38	30.18	175.16	35.36	201.94	39.67	214.26	43.60	231.09	43.55	234.09	43.98	241.25	44.41
	27	148.38	30.66	175.16	35.91	201.94	40.29	214.26	44.29	228.91	44.23	231.86	44.67	238.96	45.11
	29	148.38	37.73	175.16	44.20	201.94	49.59	214.26	54.51	226.73	54.44	229.63	54.98	236.66	55.52
	31	148.38	42.45	175.16	49.72	201.94	55.79	214.26	61.32	224.55	61.25	227.40	61.85	234.36	62.46
	33	148.38	44.81	175.16	52.49	201.94	58.89	214.26	64.73	220.19	64.65	225.17	65.29	232.06	65.93
	35	148.38	47.16	175.16	55.25	201.94	61.99	214.26	68.13	218.01	68.05	222.94	68.72	229.77	69.40
	37	148.38	49.22	175.16	57.66	201.94	64.69	209.98	71.10	213.65	70.68	216.25	71.03	220.58	71.38
	39	148.38	50.94	175.16	59.67	201.94	66.95	208.48	73.58	211.47	73.15	214.02	74.08	215.98	74.60
	41	148.38	53.01	175.16	62.10	201.94	69.67	207.84	76.58	209.29	76.22	211.79	76.97	213.68	77.59
	43	148.38	55.65	175.16	65.19	201.94	73.14	205.69	80.40	207.11	80.30	209.57	80.96	212.53	81.33
	46	148.38	58.08	175.16	68.04	201.94	76.33	201.58	83.90	202.97	83.40	203.28	83.68	204.03	83.66
	48	148.38	60.11	175.16	70.41	201.94	79.00	200.14	86.83	200.90	86.32	201.18	87.27	199.78	87.43
	50	148.38	62.55	175.16	73.28	201.94	82.21	199.52	90.37	198.83	89.94	199.09	90.67	197.66	90.93

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	139.89	24.56	165.14	28.77	190.39	32.28	202.00	35.09	219.92	35.44	235.40	35.79	244.77	36.14
	12	139.89	25.01	165.14	29.30	190.39	32.87	202.00	35.73	219.92	36.09	235.40	36.44	242.61	36.80
	14	139.89	25.46	165.14	29.82	190.39	33.46	202.00	36.37	219.92	36.73	233.30	37.09	240.44	37.46
	16	139.89	25.90	165.14	30.34	190.39	34.04	202.00	37.00	219.92	37.37	231.20	37.74	238.28	38.11
	18	139.89	26.35	165.14	30.87	190.39	34.63	202.00	37.64	219.92	38.02	229.10	38.39	236.11	38.77
	19	139.89	26.80	165.14	31.39	190.39	35.22	202.00	38.28	219.92	38.66	227.00	39.05	233.94	39.43
	21	139.89	27.24	165.14	31.91	190.39	35.80	202.00	38.92	219.92	39.31	224.89	39.70	231.78	40.09
	23	139.89	27.69	165.14	32.44	190.39	36.39	202.00	39.56	219.92	39.95	222.79	40.35	229.61	40.74
	25	139.89	28.58	165.14	33.48	190.39	37.57	202.00	40.83	217.87	41.24	220.69	41.65	227.45	42.06
	27	139.89	29.03	165.14	34.01	190.39	38.15	202.00	41.47	215.81	41.88	218.59	42.30	225.28	42.71
	29	139.89	35.73	165.14	41.85	190.39	46.96	202.00	51.04	213.76	51.55	216.49	52.06	223.11	52.57
	31	139.89	40.19	165.14	47.08	190.39	52.83	202.00	57.42	211.70	57.99	214.38	58.57	220.95	59.14
	33	139.89	42.43	165.14	49.70	190.39	55.76	202.00	60.61	207.59	61.22	212.28	61.82	218.78	62.43
	35	139.89	44.66	165.14	52.32	190.39	58.70	202.00	63.80	205.54	64.44	210.18	65.08	216.61	65.71
	37	139.89	46.61	165.14	54.60	190.39	61.26	197.96	66.58	201.42	66.93	203.88	67.26	207.95	67.59
	39	139.89	48.23	165.14	56.50	190.39	63.39	196.55	68.90	199.37	69.27	201.77	70.15	203.62	70.64
	41	139.89	50.20	165.14	58.80	190.39	65.97	195.94	71.71	197.31	72.17	199.67	72.89	201.45	73.47
	43	139.89	52.70	165.14	61.73	190.39	69.26	193.92	75.28	195.26	76.04	197.57	76.66	200.37	77.02
	46	139.89	55.00	165.14	64.42	190.39	72.28	190.04	78.57	191.35	78.97	191.64	79.24	192.35	79.22
	48	139.89	56.91	165.14	66.67	190.39	74.80	188.68	81.31	189.40	81.74	189.67	82.64	188.35	82.79
	50	139.89	59.23	165.14	69.39	190.39	77.85	188.10	84.62	187.45	85.16	187.69	85.86	186.34	86.10
90%	10	125.90	20.62	148.62	24.15	171.35	27.10	181.80	29.78	197.93	29.75	211.86	30.04	220.30	30.34
	12	125.90	20.99	148.62	24.59	171.35	27.59	181.80	30.33	197.93	30.29	211.86	30.59	218.35	30.89
	14	125.90	21.37	148.62	25.03	171.35	28.08	181.80	30.87	197.93	30.83	209.97	31.14	216.40	31.44
	16	125.90	21.74	148.62	25.47	171.35	28.58	181.80	31.41	197.93	31.37	208.08	31.68	214.45	31.99
	18	125.90	22.12	148.62	25.91	171.35	29.07	181.80	31.95	197.93	31.91	206.19	32.23	212.50	32.54
	19	125.90	22.49	148.62	26.35	171.35	29.56	181.80	32.49	197.93	32.45	204.30	32.77	210.55	33.10
	21	125.90	22.87	148.62	26.79	171.35	30.05	181.80	33.03	197.93	32.99	202.40	33.32	208.60	33.65
	23	125.90	23.24	148.62	27.23	171.35	30.55	181.80	33.58	197.93	33.54	200.51	33.87	206.65	34.20
	25	125.90	23.99	148.62	28.10	171.35	31.53	181.80	34.66	196.08	34.62	198.62	34.96	204.70	35.30
	27	125.90	24.37	148.62	28.54	171.35	32.02	181.80	35.20	194.23	35.16	196.73	35.51	202.75	35.85
	29	125.90	29.99	148.62	35.13	171.35	39.42	181.80	43.32	192.38	43.27	194.84	43.70	200.80	44.13
	31	125.90	33.74	148.62	39.52	171.35	44.34	181.80	48.74	190.53	48.68	192.95	49.16	198.85	49.64
	33	125.90	35.61	148.62	41.72	171.35	46.81	181.80	51.45	186.83	51.38	191.05	51.89	196.90	52.40
	35	125.90	37.49	148.62	43.91	171.35	49.27	181.80	54.15	184.98	54.09	189.16	54.62	194.95	55.16
	37	125.90	39.12	148.62	45.83	171.35	51.42	178.16	56.52	181.28	56.18	183.49	56.46	187.16	56.74
	39	125.90	40.49	148.62	47.43	171.35	53.21	176.89	58.49	179.43	58.15	181.60	58.89	183.26	59.30
	41	125.90	42.14	148.62	49.36	171.35	55.38	176.35	60.87	177.58	60.58	179.70	61.18	181.31	61.67
	43	125.90	44.24	148.62	51.82	171.35	58.14	174.53	63.90	175.73	63.82	177.81	64.35	180.33	64.65
	46	125.90	46.16	148.62	54.08	171.35	60.67	171.04	66.69	172.22	66.29	172.48	66.51	173.12	66.50
	48	125.90	47.77	148.62	55.96	171.35	62.79	169.82	69.01	170.46	68.61	170.70	69.37	169.51	69.50
	50	125.90	49.72	148.62	58.24	171.35	65.35	169.29	71.83	168.70	71.48	168.92	72.07	167.71	72.28
80%	10	111.91	16.90	132.11	19.79	152.31	22.21	161.60	24.41	175.94	24.38	188.32	24.62	195.82	24.86
	12	111.91	17.20	132.11	20.15	152.31	22.61	161.60	24.85	175.94	24.82	188.32	25.07	194.09	25.31
	14	111.91	17.51	132.11	20.51	152.31	23.01	161.60	25.30	175.94	25.27	186.64	25.52	192.35	25.77
	16	111.91	17.82	132.11	20.87	152.31	23.42	161.60	25.74	175.94	25.71	184.96	25.96	190.62	26.22
	18	111.91	18.13	132.11	21.23	152.31	23.82	161.60	26.18	175.94	26.15	183.28	26.41	188.89	26.67
	19	111.91	18.43	132.11	21.59	152.31	24.23	161.60	26.63	175.94	26.60	181.60	26.86	187.16	27.12
	21	111.91	18.74	132.11	21.95	152.31	24.63	161.60	27.07	175.94	27.04	179.91	27.31	185.42	27.57
	23	111.91	19.05	132.11	22.31	152.31	25.03	161.60	27.52	175.94	27.48	178.23	27.75	183.69	28.03
	25	111.91	19.66	132.11	23.03	152.31	25.84	161.60	28.40	174.29	28.37	176.55	28.65	181.96	28.93
	27	111.91	19.97	132.11	23.39	152.31	26.24	161.60	28.85	172.65	28.81	174.87	29.10	180.22	29.38
	29	111.91	24.58	132.11	28.79	152.31	32.30	161.60	35.50	171.01	35.46	173.19	35.81	178.49	36.16
	31	111.91	27.65	132.11	32.39	152.31	36.34	161.60	39.94	169.36	39.89	171.51	40.29	176.76	40.68
	33	111.91	29.18	132.11	34.19	152.31	38.36	161.60	42.16	166.07	42.11	169.83	42.53	175.02	42.94
	35	111.91	30.72	132.11	35.99	152.31	40.38	161.60	44.38	164.43	44.33	168.14	44.76	173.29	45.20
	37	111.91	32.06	132.11	37.56	152.31	42.14	158.37	46.31	161.14	46.04	163.10	46.27	166.36	46.50
	39	111.91	33.18	132.11	38.87	152.31	43.61	157.24	47.93	159.50	47.65	161.42	48.26	162.89	48.59
	41	111.91	34.53	132.11	40.45	152.31	45.38	156.75	49.88	157.85	49.64	159.74	50.14	161.16	50.54
	43	111.91	36.25	132.11	42.46	152.31	47.64	155.14	52.37	156.21	52.30	158.06	52.73	160.29	52.98
	46	111.91	37.83	132.11	44.32	152.31	49.72	152.03	54.65	153.08	54.32	153.31	54.50	153.88	54.49
	48	111.91	39.15	132.11	45.86	152.31	51.45	150.95	56.56	151.52	56.23	151.73	56.85	150.68	56.95
	50	111.91	40.75	132.11	47.73	152.31	53.55	150.48	58.86	149.96	58.58	150.15	59.06	149.07	59.23

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	97.92	13.44	115.59	15.74	133.27	17.66	141.40	19.41	153.95	19.39	164.78	19.58	171.34	19.77
	12	97.92	13.68	115.59	16.02	133.27	17.98	141.40	19.76	153.95	19.74	164.78	19.93	169.83	20.13
	14	97.92	13.92	115.59	16.31	133.27	18.30	141.40	20.11	153.95	20.09	163.31	20.29	168.31	20.49
	16	97.92	14.17	115.59	16.60	133.27	18.62	141.40	20.47	153.95	20.44	161.84	20.64	166.79	20.85
	18	97.92	14.41	115.59	16.88	133.27	18.94	141.40	20.82	153.95	20.79	160.37	21.00	165.28	21.21
	19	97.92	14.66	115.59	17.17	133.27	19.26	141.40	21.17	153.95	21.15	158.90	21.36	163.76	21.57
	21	97.92	14.90	115.59	17.46	133.27	19.58	141.40	21.53	153.95	21.50	157.43	21.71	162.24	21.93
	23	97.92	15.15	115.59	17.74	133.27	19.91	141.40	21.88	153.95	21.85	155.95	22.07	160.73	22.29
	25	97.92	15.63	115.59	18.31	133.27	20.55	141.40	22.58	152.51	22.56	154.48	22.78	159.21	23.00
	27	97.92	15.88	115.59	18.60	133.27	20.87	141.40	22.94	151.07	22.91	153.01	23.14	157.70	23.36
	29	97.92	19.54	115.59	22.89	133.27	25.68	141.40	28.23	149.63	28.20	151.54	28.48	156.18	28.75
	31	97.92	21.98	115.59	25.75	133.27	28.89	141.40	31.76	148.19	31.72	150.07	32.04	154.66	32.35
	33	97.92	23.21	115.59	27.18	133.27	30.50	141.40	33.52	145.31	33.48	148.60	33.81	153.15	34.15
	35	97.92	24.43	115.59	28.62	133.27	32.10	141.40	35.29	143.87	35.25	147.13	35.59	151.63	35.94
	37	97.92	25.49	115.59	29.86	133.27	33.50	138.57	36.83	141.00	36.61	142.71	36.79	145.57	36.97
	39	97.92	26.38	115.59	30.90	133.27	34.67	137.58	38.11	139.56	37.89	141.24	38.37	142.53	38.64
	41	97.92	27.46	115.59	32.16	133.27	36.09	137.16	39.66	138.12	39.48	139.77	39.87	141.02	40.18
	43	97.92	28.82	115.59	33.77	133.27	37.88	135.74	41.64	136.68	41.59	138.30	41.93	140.26	42.13
	46	97.92	30.08	115.59	35.24	133.27	39.54	133.03	43.46	133.95	43.20	134.15	43.34	134.65	43.33
	48	97.92	31.13	115.59	36.47	133.27	40.91	132.08	44.97	132.58	44.71	132.77	45.20	131.84	45.29
	50	97.92	32.40	115.59	37.95	133.27	42.58	131.67	46.80	131.21	46.58	131.38	46.96	130.44	47.10
60%	10	83.93	10.20	99.08	11.95	114.23	13.40	121.20	14.73	131.95	14.71	141.24	14.86	146.86	15.00
	12	83.93	10.38	99.08	12.16	114.23	13.65	121.20	15.00	131.95	14.98	141.24	15.13	145.57	15.28
	14	83.93	10.57	99.08	12.38	114.23	13.89	121.20	15.27	131.95	15.25	139.98	15.40	144.27	15.55
	16	83.93	10.75	99.08	12.60	114.23	14.13	121.20	15.53	131.95	15.52	138.72	15.67	142.97	15.82
	18	83.93	10.94	99.08	12.81	114.23	14.38	121.20	15.80	131.95	15.78	137.46	15.94	141.67	16.10
	19	83.93	11.12	99.08	13.03	114.23	14.62	121.20	16.07	131.95	16.05	136.20	16.21	140.37	16.37
	21	83.93	11.31	99.08	13.25	114.23	14.86	121.20	16.34	131.95	16.32	134.94	16.48	139.07	16.64
	23	83.93	11.50	99.08	13.47	114.23	15.11	121.20	16.61	131.95	16.59	133.68	16.75	137.77	16.91
	25	83.93	11.87	99.08	13.90	114.23	15.60	121.20	17.14	130.72	17.12	132.41	17.29	136.47	17.46
	27	83.93	12.05	99.08	14.12	114.23	15.84	121.20	17.41	129.49	17.39	131.15	17.56	135.17	17.73
	29	83.93	14.83	99.08	17.38	114.23	19.49	121.20	21.43	128.25	21.40	129.89	21.61	133.87	21.83
	31	83.93	16.69	99.08	19.55	114.23	21.93	121.20	24.11	127.02	24.08	128.63	24.31	132.57	24.55
	33	83.93	17.61	99.08	20.63	114.23	23.15	121.20	25.44	124.55	25.41	127.37	25.67	131.27	25.92
	35	83.93	18.54	99.08	21.72	114.23	24.37	121.20	26.78	123.32	26.75	126.11	27.02	129.97	27.28
	37	83.93	19.35	99.08	22.67	114.23	25.43	118.78	27.95	120.85	27.78	122.33	27.92	124.77	28.06
	39	83.93	20.02	99.08	23.46	114.23	26.32	117.93	28.93	119.62	28.76	121.06	29.12	122.17	29.33
	41	83.93	20.84	99.08	24.41	114.23	27.39	117.56	30.11	118.39	29.96	119.80	30.26	120.87	30.50
	43	83.93	21.88	99.08	25.63	114.23	28.75	116.35	31.61	117.15	31.57	118.54	31.83	120.22	31.97
	46	83.93	22.83	99.08	26.75	114.23	30.01	114.02	32.98	114.81	32.79	114.99	32.89	115.41	32.89
	48	83.93	23.63	99.08	27.68	114.23	31.05	113.21	34.13	113.64	33.93	113.80	34.31	113.01	34.37
	50	83.93	24.59	99.08	28.81	114.23	32.32	112.86	35.52	112.47	35.35	112.61	35.64	111.81	35.75
50%	10	69.94	7.18	82.57	8.41	95.19	9.44	101.00	10.38	109.96	10.36	117.70	10.47	122.39	10.57
	12	69.94	7.31	82.57	8.57	95.19	9.61	101.00	10.56	109.96	10.55	117.70	10.66	121.30	10.76
	14	69.94	7.44	82.57	8.72	95.19	9.78	101.00	10.75	109.96	10.74	116.65	10.85	120.22	10.95
	16	69.94	7.57	82.57	8.87	95.19	9.96	101.00	10.94	109.96	10.93	115.60	11.04	119.14	11.15
	18	69.94	7.71	82.57	9.03	95.19	10.13	101.00	11.13	109.96	11.12	114.55	11.23	118.06	11.34
	19	69.94	7.84	82.57	9.18	95.19	10.30	101.00	11.32	109.96	11.31	113.50	11.42	116.97	11.53
	21	69.94	7.97	82.57	9.33	95.19	10.47	101.00	11.51	109.96	11.49	112.45	11.61	115.89	11.72
	23	69.94	8.10	82.57	9.49	95.19	10.64	101.00	11.70	109.96	11.68	111.40	11.80	114.81	11.91
	25	69.94	8.36	82.57	9.79	95.19	10.99	101.00	12.07	108.93	12.06	110.35	12.18	113.72	12.30
	27	69.94	8.49	82.57	9.94	95.19	11.16	101.00	12.26	107.91	12.25	109.29	12.37	112.64	12.49
	29	69.94	10.45	82.57	12.24	95.19	13.73	101.00	15.09	106.88	15.07	108.24	15.22	111.56	15.37
	31	69.94	11.75	82.57	13.77	95.19	15.45	101.00	16.98	105.85	16.96	107.19	17.13	110.47	17.29
	33	69.94	12.41	82.57	14.53	95.19	16.31	101.00	17.92	103.80	17.90	106.14	18.08	109.39	18.26
	35	69.94	13.06	82.57	15.30	95.19	17.16	101.00	18.87	102.77	18.84	105.09	19.03	108.31	19.22
	37	69.94	13.63	82.57	15.97	95.19	17.91	98.98	19.69	100.71	19.57	101.94	19.67	103.98	19.77
	39	69.94	14.10	82.57	16.52	95.19	18.54	98.27	20.38	99.68	20.26	100.89	20.51	101.81	20.66
	41	69.94	14.68	82.57	17.20	95.19	19.29	97.97	21.21	98.66	21.10	99.84	21.31	100.73	21.48
	43	69.94	15.41	82.57	18.05	95.19	20.25	96.96	22.26	97.63	22.24	98.79	22.42	100.18	22.52
	46	69.94	16.08	82.57	18.84	95.19	21.14	95.02	23.23	95.68	23.09	95.82	23.17	96.18	23.17
	48	69.94	16.64	82.57	19.50	95.19	21.87	94.34	24.04	94.70	23.90	94.83	24.17	94.17	24.21
	50	69.94	17.32	82.57	20.29	95.19	22.77	94.05	25.02	93.72	24.90	93.85	25.11	93.17	25.18

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	55.95	5.69	66.05	6.67	76.15	7.48	80.80	8.23	87.97	8.22	94.16	8.30	97.91	8.38
	12	55.95	5.80	66.05	6.79	76.15	7.62	80.80	8.38	87.97	8.37	94.16	8.45	97.04	8.53
	14	55.95	5.90	66.05	6.91	76.15	7.76	80.80	8.52	87.97	8.51	93.32	8.60	96.18	8.68
	16	55.95	6.00	66.05	7.03	76.15	7.89	80.80	8.67	87.97	8.66	92.48	8.75	95.31	8.84
	18	55.95	6.11	66.05	7.16	76.15	8.03	80.80	8.82	87.97	8.81	91.64	8.90	94.44	8.99
	19	55.95	6.21	66.05	7.28	76.15	8.16	80.80	8.97	87.97	8.96	90.80	9.05	93.58	9.14
	21	55.95	6.32	66.05	7.40	76.15	8.30	80.80	9.12	87.97	9.11	89.96	9.20	92.71	9.29
	23	55.95	6.42	66.05	7.52	76.15	8.44	80.80	9.27	87.97	9.26	89.12	9.35	91.84	9.44
	25	55.95	6.63	66.05	7.76	76.15	8.71	80.80	9.57	87.15	9.56	88.28	9.65	90.98	9.75
	27	55.95	6.73	66.05	7.88	76.15	8.84	80.80	9.72	86.32	9.71	87.44	9.81	90.11	9.90
	29	55.95	8.28	66.05	9.70	76.15	10.89	80.80	11.96	85.50	11.95	86.59	12.07	89.25	12.19
	31	55.95	9.32	66.05	10.92	76.15	12.25	80.80	13.46	84.68	13.44	85.75	13.58	88.38	13.71
	33	55.95	9.84	66.05	11.52	76.15	12.93	80.80	14.21	83.04	14.19	84.91	14.33	87.51	14.47
	35	55.95	10.35	66.05	12.13	76.15	13.61	80.80	14.96	82.21	14.94	84.07	15.09	86.65	15.23
	37	55.95	10.80	66.05	12.66	76.15	14.20	79.18	15.61	80.57	15.51	81.55	15.59	83.18	15.67
	39	55.95	11.18	66.05	13.10	76.15	14.70	78.62	16.15	79.75	16.06	80.71	16.26	81.45	16.38
	41	55.95	11.64	66.05	13.63	76.15	15.29	78.38	16.81	78.93	16.73	79.87	16.90	80.58	17.03
	43	55.95	12.22	66.05	14.31	76.15	16.06	77.57	17.65	78.10	17.63	79.03	17.77	80.15	17.85
	46	55.95	12.75	66.05	14.93	76.15	16.76	76.02	18.42	76.54	18.31	76.66	18.37	76.94	18.36
	48	55.95	13.19	66.05	15.46	76.15	17.34	75.47	19.06	75.76	18.95	75.87	19.16	75.34	19.19
	50	55.95	13.73	66.05	16.09	76.15	18.05	75.24	19.84	74.98	19.74	75.08	19.90	74.54	19.96
30%	10	41.97	5.21	49.54	6.10	57.12	6.85	60.60	7.53	65.98	7.52	70.62	7.59	73.43	7.67
	12	41.97	5.31	49.54	6.21	57.12	6.97	60.60	7.66	65.98	7.65	70.62	7.73	72.78	7.81
	14	41.97	5.40	49.54	6.33	57.12	7.10	60.60	7.80	65.98	7.79	69.99	7.87	72.13	7.95
	16	41.97	5.49	49.54	6.44	57.12	7.22	60.60	7.94	65.98	7.93	69.36	8.01	71.48	8.08
	18	41.97	5.59	49.54	6.55	57.12	7.35	60.60	8.07	65.98	8.06	68.73	8.14	70.83	8.22
	19	41.97	5.68	49.54	6.66	57.12	7.47	60.60	8.21	65.98	8.20	68.10	8.28	70.18	8.36
	21	41.97	5.78	49.54	6.77	57.12	7.59	60.60	8.35	65.98	8.34	67.47	8.42	69.53	8.50
	23	41.97	5.87	49.54	6.88	57.12	7.72	60.60	8.48	65.98	8.47	66.84	8.56	68.88	8.64
	25	41.97	6.06	49.54	7.10	57.12	7.97	60.60	8.76	65.36	8.75	66.21	8.83	68.23	8.92
	27	41.97	6.16	49.54	7.21	57.12	8.09	60.60	8.90	64.74	8.88	65.58	8.97	67.58	9.06
	29	41.97	7.58	49.54	8.88	57.12	9.96	60.60	10.95	64.13	10.93	64.95	11.04	66.93	11.15
	31	41.97	8.53	49.54	9.99	57.12	11.21	60.60	12.32	63.51	12.30	64.32	12.42	66.28	12.55
	33	41.97	9.00	49.54	10.54	57.12	11.83	60.60	13.00	62.28	12.99	63.68	13.11	65.63	13.24
	35	41.97	9.47	49.54	11.10	57.12	12.45	60.60	13.69	61.66	13.67	63.05	13.80	64.98	13.94
	37	41.97	9.89	49.54	11.58	57.12	12.99	59.39	14.28	60.43	14.20	61.16	14.27	62.39	14.34
	39	41.97	10.23	49.54	11.99	57.12	13.45	58.96	14.78	59.81	14.69	60.53	14.88	61.09	14.98
	41	41.97	10.65	49.54	12.47	57.12	13.99	58.78	15.38	59.19	15.31	59.90	15.46	60.44	15.58
	43	41.97	11.18	49.54	13.09	57.12	14.69	58.18	16.15	58.58	16.13	59.27	16.26	60.11	16.34
	46	41.97	11.67	49.54	13.67	57.12	15.33	57.01	16.85	57.41	16.75	57.49	16.81	57.71	16.80
	48	41.97	12.07	49.54	14.14	57.12	15.87	56.61	17.44	56.82	17.34	56.90	17.53	56.50	17.56
	50	41.97	12.56	49.54	14.72	57.12	16.51	56.43	18.15	56.23	18.06	56.31	18.21	55.90	18.26
20%	10	27.98	3.01	33.03	3.53	38.08	3.96	40.40	4.35	43.98	4.35	47.08	4.39	48.95	4.44
	12	27.98	3.07	33.03	3.60	38.08	4.03	40.40	4.43	43.98	4.43	47.08	4.47	48.52	4.52
	14	27.98	3.12	33.03	3.66	38.08	4.11	40.40	4.51	43.98	4.51	46.66	4.55	48.09	4.60
	16	27.98	3.18	33.03	3.72	38.08	4.18	40.40	4.59	43.98	4.59	46.24	4.63	47.66	4.68
	18	27.98	3.23	33.03	3.79	38.08	4.25	40.40	4.67	43.98	4.67	45.82	4.71	47.22	4.76
	19	27.98	3.29	33.03	3.85	38.08	4.32	40.40	4.75	43.98	4.74	45.40	4.79	46.79	4.84
	21	27.98	3.34	33.03	3.92	38.08	4.39	40.40	4.83	43.98	4.82	44.98	4.87	46.36	4.92
	23	27.98	3.40	33.03	3.98	38.08	4.47	40.40	4.91	43.98	4.90	44.56	4.95	45.92	5.00
	25	27.98	3.51	33.03	4.11	38.08	4.61	40.40	5.07	43.57	5.06	44.14	5.11	45.49	5.16
	27	27.98	3.56	33.03	4.17	38.08	4.68	40.40	5.15	43.16	5.14	43.72	5.19	45.06	5.24
	29	27.98	4.38	33.03	5.14	38.08	5.76	40.40	6.33	42.75	6.33	43.30	6.39	44.62	6.45
	31	27.98	4.93	33.03	5.78	38.08	6.48	40.40	7.13	42.34	7.12	42.88	7.19	44.19	7.26
	33	27.98	5.21	33.03	6.10	38.08	6.84	40.40	7.52	41.52	7.51	42.46	7.59	43.76	7.66
	35	27.98	5.48	33.03	6.42	38.08	7.20	40.40	7.92	41.11	7.91	42.04	7.99	43.32	8.06
	37	27.98	5.72	33.03	6.70	38.08	7.52	39.59	8.26	40.28	8.21	40.78	8.25	41.59	8.30
	39	27.98	5.92	33.03	6.93	38.08	7.78	39.31	8.55	39.87	8.50	40.35	8.61	40.72	8.67
	41	27.98	6.16	33.03	7.22	38.08	8.10	39.19	8.90	39.46	8.86	39.93	8.94	40.29	9.02
	43	27.98	6.47	33.03	7.58	38.08	8.50	38.78	9.34	39.05	9.33	39.51	9.41	40.07	9.45
	46	27.98	6.75	33.03	7.91	38.08	8.87	38.01	9.75	38.27	9.69	38.33	9.72	38.47	9.72
	48	27.98	6.98	33.03	8.18	38.08	9.18	37.74	10.09	37.88	10.03	37.93	10.14	37.67	10.16
	50	27.98	7.27	33.03	8.52	38.08	9.55	37.62	10.50	37.49	10.45	37.54	10.54	37.27	10.57

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR740ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	157.55	27.30	185.99	31.98	214.43	35.87	227.51	39.89	247.69	39.38	265.13	39.77	275.69	40.16
	12	157.55	27.79	185.99	32.56	214.43	36.53	227.51	40.62	247.69	40.10	265.13	40.50	273.25	40.89
	14	157.55	28.29	185.99	33.14	214.43	37.18	227.51	41.34	247.69	40.82	262.76	41.22	270.81	41.62
	16	157.55	28.78	185.99	33.72	214.43	37.83	227.51	42.07	247.69	41.53	260.40	41.94	268.37	42.35
	18	157.55	29.28	185.99	34.30	214.43	38.48	227.51	42.80	247.69	42.25	258.03	42.67	265.93	43.08
	19	157.55	29.78	185.99	34.88	207.99	39.14	227.51	43.52	247.69	42.96	255.66	43.39	263.49	43.82
	21	157.55	30.27	185.99	35.46	214.43	39.79	227.51	44.25	247.69	43.68	253.29	44.11	261.05	44.55
	23	157.55	30.77	185.99	36.04	214.43	40.44	227.51	44.97	247.69	44.40	250.93	44.84	258.61	45.28
	25	157.55	31.76	185.99	37.21	214.43	41.74	227.51	46.42	245.38	45.83	248.56	46.28	256.17	46.74
	27	157.55	32.26	185.99	37.79	214.43	42.40	227.51	47.15	243.06	46.54	246.19	47.01	253.73	47.47
	29	157.55	39.70	185.99	46.51	214.43	52.18	227.51	58.03	240.75	57.29	243.82	57.85	251.29	58.42
	31	157.55	44.67	185.99	52.32	214.43	58.70	227.51	65.28	238.44	64.45	241.46	65.08	248.85	65.72
	33	157.55	47.15	185.99	55.23	214.43	61.97	227.51	68.91	233.81	68.03	239.09	68.70	246.41	69.37
	35	157.55	49.63	185.99	58.14	214.43	65.23	227.51	72.53	231.49	71.61	236.72	72.32	243.97	73.03
	37	157.55	51.79	185.99	60.67	214.43	68.07	222.96	75.70	226.86	74.37	229.62	74.75	234.21	75.11
	39	157.55	53.60	185.99	62.79	214.43	70.44	221.37	78.34	224.55	76.98	227.25	77.96	229.33	78.50
	41	157.55	55.78	185.99	65.35	214.43	73.31	220.68	81.53	222.23	80.20	224.89	80.99	226.89	81.64
	43	157.55	58.56	185.99	68.60	214.43	76.97	218.41	85.59	219.92	84.50	222.52	85.19	225.67	85.59
	46	157.55	61.12	185.99	71.59	214.43	80.32	214.04	89.32	215.52	87.76	215.84	88.05	216.64	88.03
	48	157.55	63.25	185.99	74.09	214.43	83.12	212.51	92.44	213.32	90.83	213.62	91.83	212.13	92.00
	50	157.55	65.82	185.99	77.11	214.43	86.51	211.86	96.20	211.12	94.64	211.39	95.41	209.87	95.68
120%	10	154.98	27.03	182.96	31.66	210.93	35.53	223.80	39.51	243.66	39.00	260.81	39.39	271.20	39.77
	12	154.98	27.52	182.96	32.24	210.93	36.17	223.80	40.23	243.66	39.71	260.81	40.10	268.80	40.50
	14	154.98	28.01	182.96	32.82	210.93	36.82	223.80	40.94	243.66	40.42	258.48	40.82	266.40	41.22
	16	154.98	28.51	182.96	33.39	210.93	37.46	223.80	41.66	243.66	41.13	256.15	41.54	264.00	41.94
	18	154.98	29.00	182.96	33.97	210.93	38.11	223.80	42.38	243.66	41.84	253.83	42.25	261.60	42.67
	19	154.98	29.49	182.96	34.54	210.93	38.76	223.80	43.10	243.66	42.55	251.50	42.97	259.20	43.39
	21	154.98	29.98	182.96	35.12	210.93	39.40	223.80	43.82	243.66	43.26	249.17	43.68	256.80	44.11
	23	154.98	30.47	182.96	35.69	210.93	40.05	223.80	44.53	243.66	43.97	246.84	44.40	254.40	44.84
	25	154.98	31.45	182.96	36.85	210.93	41.34	223.80	45.97	241.38	45.38	244.51	45.83	252.00	46.28
	27	154.98	31.95	182.96	37.42	210.93	41.99	223.80	46.69	239.11	46.09	242.18	46.55	249.60	47.01
	29	154.98	39.32	182.96	46.06	210.93	51.67	223.80	57.46	236.83	56.73	239.85	57.29	247.20	57.85
	31	154.98	44.23	182.96	51.81	210.93	58.13	223.80	64.65	234.55	63.82	237.52	64.45	244.80	65.08
	33	154.98	46.69	182.96	54.69	210.93	61.36	223.80	68.24	230.00	67.37	235.20	68.03	242.40	68.70
	35	154.98	49.15	182.96	57.57	210.93	64.59	223.80	71.83	227.72	70.91	232.87	71.61	240.00	72.32
	37	154.98	51.29	182.96	60.08	210.93	67.41	219.33	74.96	223.17	73.65	225.88	74.02	230.40	74.38
	39	154.98	53.08	182.96	62.18	210.93	69.76	217.76	77.58	220.89	76.23	223.55	77.20	225.60	77.74
	41	154.98	55.24	182.96	64.71	210.93	72.60	217.09	80.74	218.61	79.42	221.22	80.21	223.20	80.85
	43	154.98	57.99	182.96	67.94	210.93	76.22	214.85	84.76	216.33	83.68	218.90	84.36	222.00	84.75
	46	154.98	60.52	182.96	70.90	210.93	79.54	210.55	88.46	212.01	86.91	212.33	87.20	213.12	87.18
	48	154.98	62.63	182.96	73.37	210.93	82.32	209.05	91.54	209.84	89.95	210.14	90.94	208.68	91.11
	50	154.98	65.18	182.96	76.36	210.93	85.67	208.41	95.27	207.68	93.72	207.95	94.48	206.46	94.76
110%	10	152.42	26.39	179.93	30.91	207.44	34.68	220.10	38.57	239.63	38.07	256.49	38.45	266.71	38.83
	12	152.42	26.87	179.93	31.47	207.44	35.31	220.10	39.27	239.63	38.77	256.49	39.15	264.34	39.53
	14	152.42	27.35	179.93	32.03	207.44	35.94	220.10	39.97	239.63	39.46	254.20	39.85	261.98	40.24
	16	152.42	27.83	179.93	32.60	207.44	36.57	220.10	40.67	239.63	40.15	251.91	40.55	259.62	40.94
	18	152.42	28.31	179.93	33.16	207.44	37.20	220.10	41.37	239.63	40.84	249.62	41.25	257.26	41.65
	19	152.42	28.79	179.93	33.72	207.44	37.83	220.10	42.07	239.63	41.53	247.33	41.95	254.90	42.36
	21	152.42	29.27	179.93	34.28	207.44	38.46	220.10	42.77	239.63	42.23	245.04	42.64	252.54	43.06
	23	152.42	29.75	179.93	34.84	207.44	39.09	220.10	43.47	239.63	42.92	242.75	43.34	250.18	43.77
	25	152.42	30.71	179.93	35.97	207.44	40.36	220.10	44.88	237.39	44.30	240.46	44.74	247.82	45.18
	27	152.42	31.18	179.93	36.53	207.44	40.99	220.10	45.58	235.15	45.00	238.17	45.44	245.46	45.89
	29	152.42	38.38	179.93	44.96	207.44	50.44	220.10	56.10	232.91	55.38	235.88	55.93	243.10	56.48
	31	152.42	43.18	179.93	50.58	207.44	56.75	220.10	63.11	230.67	62.30	233.59	62.92	240.74	63.54
	33	152.42	45.58	179.93	53.39	207.44	59.90	220.10	66.61	226.19	65.76	231.30	66.41	238.38	67.06
	35	152.42	47.98	179.93	56.20	207.44	63.06	220.10	70.12	223.95	69.22	229.01	69.91	236.02	70.59
	37	152.42	50.07	179.93	58.65	207.44	65.80	215.70	73.18	219.47	71.90	222.14	72.26	226.58	72.61
	39	152.42	51.81	179.93	60.70	207.44	68.10	214.16	75.73	217.23	74.42	219.85	75.36	221.86	75.89
	41	152.42	53.93	179.93	63.17	207.44	70.87	213.50	78.82	214.99	77.53	217.56	78.30	219.50	78.92
	43	152.42	56.61	179.93	66.32	207.44	74.41	211.29	82.74	212.75	81.68	215.27	82.35	218.32	82.74
	46	152.42	59.08	179.93	69.21	207.44	77.65	207.07	86.35	208.50	84.84	208.81	85.12	209.59	85.10
	48	152.42	61.14	179.93	71.62	207.44	80.36	205.59	89.36	206.37	87.81	206.66	88.78	205.22	88.94
	50	152.42	63.63	179.93	74.54	207.44	83.63	204.96	93.00	204.24	91.49	204.51	92.24	203.04	92.50

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	143.69	24.99	169.63	29.27	195.57	32.84	207.50	35.70	225.91	36.05	241.81	36.41	251.44	36.77
	12	143.69	25.44	169.63	29.80	195.57	33.44	207.50	36.34	225.91	36.71	241.81	37.07	249.21	37.43
	14	143.69	25.90	169.63	30.33	195.57	34.03	207.50	36.99	225.91	37.36	239.65	37.73	246.99	38.10
	16	143.69	26.35	169.63	30.87	195.57	34.63	207.50	37.64	225.91	38.02	237.49	38.39	244.76	38.77
	18	143.69	26.80	169.63	31.40	195.57	35.23	207.50	38.29	225.91	38.67	235.34	39.06	242.54	39.44
	19	143.69	27.26	169.63	31.93	195.57	35.82	207.50	38.94	225.91	39.33	233.18	39.72	240.31	40.11
	21	143.69	27.71	169.63	32.46	195.57	36.42	207.50	39.59	225.91	39.98	231.02	40.38	238.09	40.78
	23	143.69	28.17	169.63	33.00	195.57	37.02	207.50	40.24	225.91	40.64	228.86	41.04	235.86	41.45
	25	143.69	29.08	169.63	34.06	195.57	38.21	207.50	41.54	223.80	41.95	226.70	42.37	233.64	42.78
	27	143.69	29.53	169.63	34.59	195.57	38.81	207.50	42.19	221.69	42.61	224.54	43.03	231.41	43.45
	29	143.69	30.34	169.63	35.57	195.57	40.00	207.50	43.54	219.58	43.44	222.38	43.96	229.19	44.12
	31	143.69	31.15	169.63	36.54	195.57	41.11	207.50	44.45	217.47	44.25	220.25	44.47	226.96	44.78
	33	143.69	31.96	169.63	37.51	195.57	42.22	207.50	45.36	215.36	45.06	218.12	44.98	224.74	45.44
	35	143.69	32.77	169.63	38.48	195.57	43.33	207.50	46.27	213.24	45.87	216.00	45.49	222.51	46.10
	37	143.69	33.58	169.63	39.45	195.57	44.40	207.50	47.18	211.13	46.68	213.88	45.99	220.28	46.71
	39	143.69	34.39	169.63	40.42	195.57	45.47	207.50	48.09	209.02	47.49	211.76	46.50	218.05	47.32
	41	143.69	35.20	169.63	41.39	195.57	46.54	207.50	49.00	206.91	48.30	209.64	47.01	215.82	47.93
	43	143.69	36.01	169.63	42.36	195.57	47.61	207.50	49.91	204.80	49.11	207.52	47.52	213.59	48.54
	45	143.69	36.82	169.63	43.33	195.57	48.68	207.50	50.82	202.69	50.32	205.40	48.03	211.36	49.15
90%	10	129.32	20.97	152.67	24.57	176.01	27.57	186.75	30.65	203.32	30.26	217.63	30.56	226.30	30.86
	12	129.32	21.35	152.67	25.02	176.01	28.07	186.75	31.21	203.32	30.81	217.63	31.12	224.29	31.42
	14	129.32	21.74	152.67	25.46	176.01	28.57	186.75	31.77	203.32	31.36	215.69	31.67	222.29	31.98
	16	129.32	22.12	152.67	25.91	176.01	29.07	186.75	32.33	203.32	31.91	213.74	32.23	220.29	32.54
	18	129.32	22.50	152.67	26.36	176.01	29.57	186.75	32.88	203.32	32.46	211.80	32.78	218.28	33.11
	19	129.32	22.88	152.67	26.80	176.01	30.07	186.75	33.44	203.32	33.01	209.86	33.34	216.28	33.67
	21	129.32	23.26	152.67	27.25	176.01	30.57	186.75	34.00	203.32	33.56	207.92	33.90	214.28	34.23
	23	129.32	23.64	152.67	27.70	176.01	31.07	186.75	34.56	203.32	34.11	205.97	34.45	212.28	34.79
	25	129.32	24.41	152.67	28.59	176.01	32.08	186.75	35.67	201.42	35.21	204.03	35.56	210.27	35.91
	27	129.32	24.79	152.67	29.04	176.01	32.58	186.75	36.23	199.52	35.76	202.09	36.12	208.27	36.47
	29	129.32	30.51	152.67	35.74	176.01	40.09	186.75	44.59	197.62	44.02	200.14	44.45	206.27	44.89
	31	129.32	34.32	152.67	40.20	176.01	45.11	186.75	50.16	195.72	49.52	198.20	50.01	204.27	50.50
	33	129.32	36.23	152.67	42.44	176.01	47.61	186.75	52.95	191.92	52.27	196.26	52.79	202.26	53.31
	35	129.32	38.13	152.67	44.67	176.01	50.12	186.75	55.73	190.02	55.02	194.31	55.57	200.26	56.11
	37	129.32	39.80	152.67	46.62	176.01	52.30	183.02	58.16	186.22	57.15	188.48	57.43	192.25	57.72
	39	129.32	41.18	152.67	48.24	176.01	54.13	181.71	60.19	184.32	59.15	186.54	59.90	188.25	60.32
	41	129.32	42.86	152.67	50.21	176.01	56.33	181.15	62.65	182.42	61.62	184.60	62.23	186.24	62.73
	43	129.32	45.00	152.67	52.71	176.01	59.14	179.28	65.77	180.52	64.93	182.65	65.46	185.24	65.76
	45	129.32	46.96	152.67	55.01	176.01	61.72	175.69	68.63	176.91	67.43	177.17	67.66	177.83	67.64
80%	10	114.96	17.19	135.71	20.13	156.46	22.59	166.00	25.12	180.73	24.80	193.45	25.04	201.15	25.29
	12	114.96	17.50	135.71	20.50	156.46	23.00	166.00	25.58	180.73	25.25	193.45	25.50	199.37	25.75
	14	114.96	17.81	135.71	20.87	156.46	23.41	166.00	26.03	180.73	25.70	191.72	25.96	197.59	26.21
	16	114.96	18.13	135.71	21.23	156.46	23.82	166.00	26.49	180.73	26.15	190.00	26.41	195.81	26.67
	18	114.96	18.44	135.71	21.60	156.46	24.23	166.00	26.95	180.73	26.60	188.27	26.87	194.03	27.13
	19	114.96	18.75	135.71	21.96	156.46	24.64	166.00	27.40	180.73	27.05	186.54	27.32	192.25	27.59
	21	114.96	19.06	135.71	22.33	156.46	25.05	166.00	27.86	180.73	27.50	184.81	27.78	190.47	28.05
	23	114.96	19.38	135.71	22.70	156.46	25.46	166.00	28.32	180.73	27.96	183.09	28.23	188.69	28.51
	25	114.96	20.00	135.71	23.43	156.46	26.29	166.00	29.23	179.04	28.86	181.36	29.14	186.91	29.43
	27	114.96	20.31	135.71	23.79	156.46	26.70	166.00	29.69	177.35	29.31	179.63	29.60	185.13	29.89
	29	114.96	25.00	135.71	29.29	156.46	32.86	166.00	36.54	175.66	36.07	177.90	36.43	183.35	36.79
	31	114.96	28.13	135.71	32.95	156.46	36.96	166.00	41.11	173.97	40.58	176.18	40.98	181.57	41.38
	33	114.96	29.69	135.71	34.78	156.46	39.02	166.00	43.39	170.59	42.84	174.45	43.26	179.79	43.68
	35	114.96	31.25	135.71	36.61	156.46	41.07	166.00	45.67	168.91	45.09	172.72	45.54	178.01	45.98
	37	114.96	32.61	135.71	38.20	156.46	42.86	162.68	47.67	165.53	46.83	167.54	47.07	170.89	47.30
	39	114.96	33.75	135.71	39.54	156.46	44.36	161.52	49.33	163.84	48.47	165.81	49.09	167.33	49.43
	41	114.96	35.13	135.71	41.15	156.46	46.16	161.02	51.34	162.15	50.50	164.09	51.00	165.55	51.41
	43	114.96	36.88	135.71	43.20	156.46	48.46	159.36	53.90	160.46	53.21	162.36	53.64	164.66	53.89
	45	114.96	38.48	135.71	45.08	156.46	50.58	156.17	56.24	157.25	55.26	157.49	55.44	158.07	55.43
	47	114.96	39.83	135.71	46.65	156.46	52.34	155.06	58.21	155.65	57.20	155.87	57.83	154.78	57.93
	49	114.96	41.45	135.71	48.55	156.46	54.47	154.58	60.58	154.04	59.59	154.24	60.08	153.13	60.25

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	100.59	13.67	118.74	16.01	136.90	17.96	145.25	19.97	158.14	19.72	169.27	19.91	176.01	20.11
	12	100.59	13.92	118.74	16.30	136.90	18.29	145.25	20.34	158.14	20.08	169.27	20.28	174.45	20.48
	14	100.59	14.16	118.74	16.59	136.90	18.62	145.25	20.70	158.14	20.44	167.76	20.64	172.89	20.84
	16	100.59	14.41	118.74	16.88	136.90	18.94	145.25	21.06	158.14	20.79	166.25	21.00	171.33	21.21
	18	100.59	14.66	118.74	17.17	136.90	19.27	145.25	21.43	158.14	21.15	164.73	21.36	169.78	21.57
	19	100.59	14.91	118.74	17.47	136.90	19.60	145.25	21.79	158.14	21.51	163.22	21.72	168.22	21.94
	21	100.59	15.16	118.74	17.76	136.90	19.92	145.25	22.15	158.14	21.87	161.71	22.09	166.66	22.30
	23	100.59	15.41	118.74	18.05	136.90	20.25	145.25	22.52	158.14	22.23	160.20	22.45	165.10	22.67
	25	100.59	15.90	118.74	18.63	136.90	20.90	145.25	23.24	156.66	22.95	158.69	23.17	163.55	23.40
	27	100.59	16.15	118.74	18.92	136.90	21.23	145.25	23.61	155.18	23.30	157.18	23.54	161.99	23.77
	29	100.59	19.88	118.74	23.29	136.90	26.13	145.25	29.05	153.70	28.68	155.67	28.97	160.43	29.25
	31	100.59	22.36	118.74	26.20	136.90	29.39	145.25	32.69	152.23	32.27	154.16	32.59	158.87	32.91
	33	100.59	23.61	118.74	27.65	136.90	31.03	145.25	34.50	149.27	34.06	152.64	34.40	157.32	34.74
	35	100.59	24.85	118.74	29.11	136.90	32.66	145.25	36.32	147.79	35.85	151.13	36.21	155.76	36.56
	37	100.59	25.93	118.74	30.38	136.90	34.08	142.35	37.90	144.84	37.24	146.60	37.42	149.53	37.61
	39	100.59	26.84	118.74	31.44	136.90	35.27	141.33	39.22	143.36	38.54	145.09	39.03	146.41	39.31
	41	100.59	27.93	118.74	32.72	136.90	36.71	140.89	40.82	141.88	40.16	143.58	40.55	144.86	40.88
	43	100.59	29.32	118.74	34.35	136.90	38.54	139.44	42.85	140.40	42.31	142.06	42.65	144.08	42.85
	46	100.59	30.60	118.74	35.85	136.90	40.22	136.65	44.72	137.59	43.94	137.80	44.09	138.31	44.08
	48	100.59	31.67	118.74	37.10	136.90	41.62	135.68	46.28	136.19	45.48	136.38	45.98	135.43	46.07
	50	100.59	32.96	118.74	38.61	136.90	43.32	135.26	48.17	134.79	47.38	134.96	47.77	133.99	47.91
60%	10	86.22	10.37	101.78	12.15	117.34	13.63	124.50	15.16	135.55	14.97	145.09	15.12	150.86	15.26
	12	86.22	10.56	101.78	12.37	117.34	13.88	124.50	15.44	135.55	15.24	145.09	15.39	149.53	15.54
	14	86.22	10.75	101.78	12.59	117.34	14.13	124.50	15.71	135.55	15.51	143.79	15.66	148.19	15.82
	16	86.22	10.94	101.78	12.81	117.34	14.38	124.50	15.99	135.55	15.78	142.50	15.94	146.86	16.10
	18	86.22	11.13	101.78	13.04	117.34	14.62	124.50	16.26	135.55	16.06	141.20	16.21	145.52	16.37
	19	86.22	11.32	101.78	13.26	117.34	14.87	124.50	16.54	135.55	16.33	139.91	16.49	144.19	16.65
	21	86.22	11.50	101.78	13.48	117.34	15.12	124.50	16.81	135.55	16.60	138.61	16.76	142.85	16.93
	23	86.22	11.69	101.78	13.70	117.34	15.37	124.50	17.09	135.55	16.87	137.31	17.04	141.52	17.21
	25	86.22	12.07	101.78	14.14	117.34	15.86	124.50	17.64	134.28	17.42	136.02	17.59	140.18	17.76
	27	86.22	12.26	101.78	14.36	117.34	16.11	124.50	17.92	133.01	17.69	134.72	17.86	138.85	18.04
	29	86.22	15.09	101.78	17.67	117.34	19.83	124.50	22.05	131.75	21.77	133.43	21.99	137.51	22.20
	31	86.22	16.97	101.78	19.88	117.34	22.31	124.50	24.81	130.48	24.49	132.13	24.73	136.18	24.98
	33	86.22	17.92	101.78	20.99	117.34	23.55	124.50	26.19	127.95	25.85	130.84	26.11	134.84	26.36
	35	86.22	18.86	101.78	22.09	117.34	24.79	124.50	27.57	126.68	27.21	129.54	27.48	133.51	27.75
	37	86.22	19.68	101.78	23.06	117.34	25.87	122.01	28.77	124.15	28.26	125.66	28.41	128.17	28.55
	39	86.22	20.37	101.78	23.86	117.34	26.77	121.14	29.77	122.88	29.25	124.36	29.63	125.50	29.83
	41	86.22	21.20	101.78	24.83	117.34	27.86	120.77	30.98	121.61	30.48	123.07	30.78	124.16	31.03
	43	86.22	22.26	101.78	26.07	117.34	29.25	119.52	32.53	120.34	32.11	121.77	32.37	123.49	32.52
	46	86.22	23.23	101.78	27.21	117.34	30.52	117.13	33.95	117.94	33.35	118.12	33.46	118.55	33.46
	48	86.22	24.04	101.78	28.16	117.34	31.59	116.29	35.13	116.73	34.52	116.90	34.90	116.08	34.96
	50	86.22	25.01	101.78	29.30	117.34	32.88	115.93	36.56	115.53	35.96	115.68	36.26	114.85	36.36
50%	10	71.85	7.31	84.82	8.56	97.78	9.60	103.75	10.68	112.96	10.54	120.91	10.65	125.72	10.75
	12	71.85	7.44	84.82	8.71	97.78	9.78	103.75	10.87	112.96	10.73	120.91	10.84	124.61	10.95
	14	71.85	7.57	84.82	8.87	97.78	9.95	103.75	11.07	112.96	10.93	119.83	11.03	123.49	11.14
	16	71.85	7.71	84.82	9.03	97.78	10.13	103.75	11.26	112.96	11.12	118.75	11.23	122.38	11.34
	18	71.85	7.84	84.82	9.18	97.78	10.30	103.75	11.46	112.96	11.31	117.67	11.42	121.27	11.53
	19	71.85	7.97	84.82	9.34	97.78	10.48	103.75	11.65	112.96	11.50	116.59	11.61	120.16	11.73
	21	71.85	8.10	84.82	9.49	97.78	10.65	103.75	11.84	112.96	11.69	115.51	11.81	119.04	11.92
	23	71.85	8.24	84.82	9.65	97.78	10.83	103.75	12.04	112.96	11.88	114.43	12.00	117.93	12.12
	25	71.85	8.50	84.82	9.96	97.78	11.17	103.75	12.43	111.90	12.27	113.35	12.39	116.82	12.51
	27	71.85	8.64	84.82	10.12	97.78	11.35	103.75	12.62	110.84	12.46	112.27	12.58	115.71	12.71
	29	71.85	10.63	84.82	12.45	97.78	13.97	103.75	15.53	109.79	15.33	111.19	15.49	114.59	15.64
	31	71.85	11.96	84.82	14.01	97.78	15.71	103.75	17.47	108.73	17.25	110.11	17.42	113.48	17.59
	33	71.85	12.62	84.82	14.78	97.78	16.59	103.75	18.45	106.62	18.21	109.03	18.39	112.37	18.57
	35	71.85	13.28	84.82	15.56	97.78	17.46	103.75	19.42	105.57	19.17	107.95	19.36	111.26	19.55
	37	71.85	13.86	84.82	16.24	97.78	18.22	101.68	20.26	103.45	19.91	104.71	20.01	106.81	20.11
	39	71.85	14.35	84.82	16.81	97.78	18.86	100.95	20.97	102.40	20.61	103.63	20.87	104.58	21.01
	41	71.85	14.93	84.82	17.49	97.78	19.63	100.64	21.82	101.34	21.47	102.55	21.68	103.47	21.85
	43	71.85	15.68	84.82	18.36	97.78	20.60	99.60	22.91	100.29	22.62	101.47	22.80	102.91	22.91
	46	71.85	16.36	84.82	19.16	97.78	21.50	97.61	23.91	98.28	23.49	98.43	23.57	98.80	23.57
	48	71.85	16.93	84.82	19.83	97.78	22.25	96.91	24.74	97.28	24.31	97.42	24.58	96.74	24.63
	50	71.85	17.62	84.82	20.64	97.78	23.16	96.61	25.75	96.28	25.33	96.40	25.54	95.71	25.61

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	57.48	5.79	67.85	6.79	78.23	7.61	83.00	8.47	90.36	8.36	96.72	8.44	100.58	8.52
	12	57.48	5.90	67.85	6.91	78.23	7.75	83.00	8.62	90.36	8.51	96.72	8.59	99.69	8.68
	14	57.48	6.00	67.85	7.03	78.23	7.89	83.00	8.77	90.36	8.66	95.86	8.75	98.80	8.83
	16	57.48	6.11	67.85	7.16	78.23	8.03	83.00	8.93	90.36	8.81	95.00	8.90	97.91	8.99
	18	57.48	6.21	67.85	7.28	78.23	8.17	83.00	9.08	90.36	8.97	94.13	9.05	97.02	9.14
	19	57.48	6.32	67.85	7.40	78.23	8.30	83.00	9.24	90.36	9.12	93.27	9.21	96.13	9.30
	21	57.48	6.42	67.85	7.53	78.23	8.44	83.00	9.39	90.36	9.27	92.41	9.36	95.24	9.45
	23	57.48	6.53	67.85	7.65	78.23	8.58	83.00	9.54	90.36	9.42	91.54	9.51	94.35	9.61
	25	57.48	6.74	67.85	7.90	78.23	8.86	83.00	9.85	89.52	9.73	90.68	9.82	93.46	9.92
	27	57.48	6.85	67.85	8.02	78.23	9.00	83.00	10.00	88.68	9.88	89.82	9.97	92.57	10.07
	29	57.48	8.43	67.85	9.87	78.23	11.07	83.00	12.31	87.83	12.16	88.95	12.28	91.68	12.40
	31	57.48	9.48	67.85	11.10	78.23	12.46	83.00	13.85	86.99	13.68	88.09	13.81	90.79	13.95
	33	57.48	10.00	67.85	11.72	78.23	13.15	83.00	14.62	85.30	14.44	87.23	14.58	89.90	14.72
	35	57.48	10.53	67.85	12.34	78.23	13.84	83.00	15.39	84.45	15.20	86.36	15.35	89.01	15.50
	37	57.48	10.99	67.85	12.87	78.23	14.44	81.34	16.06	82.76	15.78	83.77	15.86	85.44	15.94
	39	57.48	11.37	67.85	13.32	78.23	14.95	80.76	16.62	81.92	16.34	82.91	16.54	83.66	16.66
	41	57.48	11.84	67.85	13.87	78.23	15.56	80.51	17.30	81.07	17.02	82.04	17.19	82.77	17.32
	43	57.48	12.43	67.85	14.56	78.23	16.33	79.68	18.16	80.23	17.93	81.18	18.08	82.33	18.16
	46	57.48	12.97	67.85	15.19	78.23	17.04	78.09	18.95	78.63	18.62	78.74	18.68	79.04	18.68
	48	57.48	13.42	67.85	15.72	78.23	17.64	77.53	19.62	77.82	19.28	77.93	19.49	77.39	19.52
	50	57.48	13.97	67.85	16.36	78.23	18.36	77.29	20.42	77.02	20.08	77.12	20.25	76.57	20.30
30%	10	43.11	5.30	50.89	6.21	58.67	6.97	62.25	7.75	67.77	7.65	72.54	7.72	75.43	7.80
	12	43.11	5.40	50.89	6.32	58.67	7.09	62.25	7.89	67.77	7.79	72.54	7.86	74.76	7.94
	14	43.11	5.49	50.89	6.43	58.67	7.22	62.25	8.03	67.77	7.93	71.90	8.00	74.10	8.08
	16	43.11	5.59	50.89	6.55	58.67	7.35	62.25	8.17	67.77	8.06	71.25	8.14	73.43	8.22
	18	43.11	5.69	50.89	6.66	58.67	7.47	62.25	8.31	67.77	8.20	70.60	8.28	72.76	8.37
	19	43.11	5.78	50.89	6.77	58.67	7.60	62.25	8.45	67.77	8.34	69.95	8.43	72.09	8.51
	21	43.11	5.88	50.89	6.89	58.67	7.73	62.25	8.59	67.77	8.48	69.31	8.57	71.43	8.65
	23	43.11	5.97	50.89	7.00	58.67	7.85	62.25	8.73	67.77	8.62	68.66	8.71	70.76	8.79
	25	43.11	6.17	50.89	7.22	58.67	8.11	62.25	9.01	67.14	8.90	68.01	8.99	70.09	9.07
	27	43.11	6.26	50.89	7.34	58.67	8.23	62.25	9.15	66.51	9.04	67.36	9.13	69.42	9.22
	29	43.11	7.71	50.89	9.03	58.67	10.13	62.25	11.27	65.87	11.12	66.71	11.23	68.76	11.34
	31	43.11	8.67	50.89	10.16	58.67	11.40	62.25	12.68	65.24	12.51	66.07	12.64	68.09	12.76
	33	43.11	9.15	50.89	10.72	58.67	12.03	62.25	13.38	63.97	13.21	65.42	13.34	67.42	13.47
	35	43.11	9.64	50.89	11.29	58.67	12.67	62.25	14.08	63.34	13.90	64.77	14.04	66.75	14.18
	37	43.11	10.06	50.89	11.78	58.67	13.22	61.01	14.70	62.07	14.44	62.83	14.51	64.08	14.59
	39	43.11	10.41	50.89	12.19	58.67	13.68	60.57	15.21	61.44	14.95	62.18	15.14	62.75	15.24
	41	43.11	10.83	50.89	12.69	58.67	14.24	60.38	15.83	60.81	15.57	61.53	15.73	62.08	15.85
	43	43.11	11.37	50.89	13.32	58.67	14.95	59.76	16.62	60.17	16.41	60.88	16.54	61.75	16.62
	46	43.11	11.87	50.89	13.90	58.67	15.60	58.56	17.34	58.97	17.04	59.06	17.10	59.28	17.09
	48	43.11	12.28	50.89	14.39	58.67	16.14	58.15	17.95	58.37	17.64	58.45	17.83	58.04	17.86
	50	43.11	12.78	50.89	14.97	58.67	16.80	57.97	18.68	57.77	18.38	57.84	18.53	57.42	18.58
20%	10	28.74	3.07	33.93	3.59	39.11	4.03	41.50	4.48	45.18	4.42	48.36	4.47	50.29	4.51
	12	28.74	3.12	33.93	3.66	39.11	4.10	41.50	4.56	45.18	4.51	48.36	4.55	49.84	4.59
	14	28.74	3.18	33.93	3.72	39.11	4.18	41.50	4.64	45.18	4.59	47.93	4.63	49.40	4.68
	16	28.74	3.23	33.93	3.79	39.11	4.25	41.50	4.73	45.18	4.67	47.50	4.71	48.95	4.76
	18	28.74	3.29	33.93	3.85	39.11	4.32	41.50	4.81	45.18	4.75	47.07	4.79	48.51	4.84
	19	28.74	3.35	33.93	3.92	39.11	4.40	41.50	4.89	45.18	4.83	46.64	4.87	48.06	4.92
	21	28.74	3.40	33.93	3.98	39.11	4.47	41.50	4.97	45.18	4.91	46.20	4.96	47.62	5.00
	23	28.74	3.46	33.93	4.05	39.11	4.54	41.50	5.05	45.18	4.99	45.77	5.04	47.17	5.09
	25	28.74	3.57	33.93	4.18	39.11	4.69	41.50	5.22	44.76	5.15	45.34	5.20	46.73	5.25
	27	28.74	3.62	33.93	4.25	39.11	4.76	41.50	5.30	44.34	5.23	44.91	5.28	46.28	5.33
	29	28.74	4.46	33.93	5.23	39.11	5.86	41.50	6.52	43.92	6.44	44.48	6.50	45.84	6.56
	31	28.74	5.02	33.93	5.88	39.11	6.60	41.50	7.33	43.49	7.24	44.04	7.31	45.39	7.38
	33	28.74	5.30	33.93	6.20	39.11	6.96	41.50	7.74	42.65	7.64	43.61	7.72	44.95	7.79
	35	28.74	5.58	33.93	6.53	39.11	7.33	41.50	8.15	42.23	8.04	43.18	8.12	44.50	8.20
	37	28.74	5.82	33.93	6.82	39.11	7.65	40.67	8.50	41.38	8.36	41.89	8.40	42.72	8.44
	39	28.74	6.02	33.93	7.05	39.11	7.91	40.38	8.80	40.96	8.65	41.45	8.76	41.83	8.82
	41	28.74	6.27	33.93	7.34	39.11	8.24	40.26	9.16	40.54	9.01	41.02	9.10	41.39	9.17
	43	28.74	6.58	33.93	7.71	39.11	8.65	39.84	9.62	40.11	9.49	40.59	9.57	41.16	9.62
	46	28.74	6.87	33.93	8.04	39.11	9.02	39.04	10.03	39.31	9.86	39.37	9.89	39.52	9.89
	48	28.74	7.11	33.93	8.32	39.11	9.34	38.76	10.38	38.91	10.20	38.97	10.32	38.69	10.34
	50	28.74	7.39	33.93	8.66	39.11	9.72	38.64	10.81	38.51	10.63	38.56	10.72	38.28	10.75

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR760ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	161.73	27.76	190.92	32.52	220.11	36.48	233.54	41.02	254.26	40.05	272.16	40.45	282.99	40.84
	12	161.73	28.26	190.92	33.11	220.11	37.15	233.54	41.77	254.26	40.78	272.16	41.18	280.49	41.59
	14	161.73	28.77	190.92	33.70	220.11	37.81	233.54	42.52	254.26	41.51	269.73	41.92	277.98	42.33
	16	161.73	29.27	190.92	34.29	220.11	38.47	233.54	43.26	254.26	42.24	267.30	42.65	275.48	43.07
	18	161.73	29.78	190.92	34.88	220.11	39.14	233.54	44.01	254.26	42.96	264.87	43.39	272.98	43.82
	19	161.73	30.28	190.92	35.47	213.51	39.80	233.54	44.75	254.26	43.69	262.44	44.13	270.47	44.56
	21	161.73	30.79	190.92	36.06	220.11	40.46	233.54	45.50	254.26	44.42	260.01	44.86	267.97	45.30
	23	161.73	31.29	190.92	36.66	220.11	41.13	233.54	46.25	254.26	45.15	257.58	45.60	265.46	46.04
	25	161.73	32.30	190.92	37.84	220.11	42.45	233.54	47.74	251.88	46.61	255.15	47.07	262.96	47.53
	27	161.73	32.81	190.92	38.43	220.11	43.12	233.54	48.48	249.51	47.33	252.72	47.80	260.45	48.27
	29	161.73	40.38	190.92	47.30	220.11	53.07	233.54	59.67	247.13	58.26	250.29	58.83	257.95	59.41
	31	161.73	45.42	190.92	53.21	220.11	59.70	233.54	67.13	244.76	65.54	247.86	66.19	255.44	66.84
	33	161.73	47.95	190.92	56.17	220.11	63.02	233.54	70.86	240.00	69.18	245.43	69.86	252.94	70.55
	35	161.73	50.47	190.92	59.12	220.11	66.33	233.54	74.59	237.63	72.82	243.00	73.54	250.44	74.26
	37	161.73	52.67	190.92	61.70	220.11	69.22	228.87	77.84	232.87	75.63	235.71	76.01	240.42	76.39
	39	161.73	54.51	190.92	63.85	220.11	71.64	227.23	80.56	230.50	78.28	233.28	79.28	235.41	79.83
	41	161.73	56.73	190.92	66.45	220.11	74.56	226.53	83.84	228.12	81.56	230.85	82.37	232.91	83.03
	43	161.73	59.55	190.92	69.76	220.11	78.27	224.20	88.02	225.74	85.93	228.42	86.63	231.65	87.04
	46	161.73	62.15	190.92	72.81	220.11	81.68	219.71	91.85	221.23	89.25	221.57	89.54	222.39	89.53
	48	161.73	64.32	190.92	75.35	220.11	84.53	218.14	95.06	218.97	92.37	219.28	93.39	217.75	93.56
	50	161.73	66.94	190.92	78.41	220.11	87.98	217.47	98.93	216.72	96.24	217.00	97.03	215.44	97.31
120%	10	159.09	27.49	187.81	32.20	216.53	36.13	229.74	40.63	250.12	39.66	267.72	40.06	278.38	40.45
	12	159.09	27.99	187.81	32.79	216.53	36.79	229.74	41.37	250.12	40.38	267.72	40.78	275.92	41.18
	14	159.09	28.49	187.81	33.37	216.53	37.44	229.74	42.10	250.12	41.10	265.33	41.51	273.46	41.92
	16	159.09	28.99	187.81	33.96	216.53	38.10	229.74	42.84	250.12	41.83	262.94	42.24	270.99	42.65
	18	159.09	29.49	187.81	34.54	216.53	38.76	229.74	43.58	250.12	42.55	260.55	42.97	268.53	43.39
	19	159.09	29.99	187.81	35.13	216.53	39.41	229.74	44.32	250.12	43.27	258.16	43.70	266.07	44.13
	21	159.09	30.49	187.81	35.71	216.53	40.07	229.74	45.06	250.12	43.99	255.77	44.43	263.60	44.86
	23	159.09	30.99	187.81	36.30	216.53	40.73	229.74	45.80	250.12	44.71	253.38	45.15	261.14	45.60
	25	159.09	31.99	187.81	37.47	216.53	42.04	229.74	47.27	247.78	46.15	250.99	46.61	258.67	47.07
	27	159.09	32.49	187.81	38.06	216.53	42.70	229.74	48.01	245.44	46.87	248.60	47.34	256.21	47.80
	29	159.09	39.98	187.81	46.84	216.53	52.55	229.74	59.09	243.11	57.69	246.21	58.26	253.75	58.83
	31	159.09	44.98	187.81	52.69	216.53	59.12	229.74	66.48	240.77	64.90	243.82	65.55	251.28	66.19
	33	159.09	47.48	187.81	55.62	216.53	62.40	229.74	70.17	236.09	68.51	241.43	69.19	248.82	69.86
	35	159.09	49.98	187.81	58.55	216.53	65.69	229.74	73.87	233.76	72.11	239.04	72.83	246.36	73.54
	37	159.09	52.16	187.81	61.10	216.53	68.55	225.14	77.09	229.08	74.90	231.87	75.28	236.50	75.65
	39	159.09	53.98	187.81	63.23	216.53	70.94	223.53	79.78	226.74	77.52	229.48	78.51	231.58	79.06
	41	159.09	56.18	187.81	65.81	216.53	73.83	222.84	83.03	224.41	80.77	227.09	81.57	229.11	82.22
	43	159.09	58.98	187.81	69.09	216.53	77.51	220.55	87.16	222.07	85.09	224.70	85.79	227.88	86.19
	46	159.09	61.55	187.81	72.10	216.53	80.89	216.14	90.96	217.63	88.38	217.96	88.67	218.77	88.66
	48	159.09	63.69	187.81	74.61	216.53	83.71	214.59	94.14	215.41	91.48	215.71	92.48	214.21	92.66
	50	159.09	66.29	187.81	77.65	216.53	87.12	213.93	97.97	213.19	95.31	213.46	96.09	211.93	96.36
110%	10	156.46	26.83	184.70	31.43	212.94	35.27	225.93	39.66	245.98	38.72	263.29	39.10	273.77	39.49
	12	156.46	27.32	184.70	32.01	212.94	35.91	225.93	40.38	245.98	39.42	263.29	39.81	271.35	40.20
	14	156.46	27.81	184.70	32.58	212.94	36.55	225.93	41.10	245.98	40.13	260.94	40.52	268.93	40.92
	16	156.46	28.30	184.70	33.15	212.94	37.19	225.93	41.82	245.98	40.83	258.59	41.23	266.51	41.64
	18	156.46	28.79	184.70	33.72	212.94	37.83	225.93	42.54	245.98	41.53	256.24	41.95	264.08	42.36
	19	156.46	29.27	184.70	34.29	212.94	38.47	225.93	43.26	245.98	42.24	253.89	42.66	261.66	43.07
	21	156.46	29.76	184.70	34.86	212.94	39.12	225.93	43.99	245.98	42.94	251.54	43.37	259.24	43.79
	23	156.46	30.25	184.70	35.44	212.94	39.76	225.93	44.71	245.98	43.65	249.19	44.08	256.82	44.51
	25	156.46	31.23	184.70	36.58	212.94	41.04	225.93	46.15	243.68	45.05	246.84	45.50	254.39	45.95
	27	156.46	31.71	184.70	37.15	212.94	41.68	225.93	46.87	241.38	45.76	244.49	46.21	251.97	46.66
	29	156.46	39.03	184.70	45.72	212.94	51.30	225.93	57.69	239.08	56.32	242.13	56.88	249.55	57.43
	31	156.46	43.91	184.70	51.44	212.94	57.71	225.93	64.90	236.78	63.36	239.78	63.98	247.12	64.61
	33	156.46	46.35	184.70	54.30	212.94	60.92	225.93	68.50	232.18	66.88	237.43	67.54	244.70	68.20
	35	156.46	48.79	184.70	57.15	212.94	64.12	225.93	72.11	229.89	70.40	235.08	71.09	242.28	71.79
	37	156.46	50.92	184.70	59.65	212.94	66.92	221.41	75.25	225.29	73.11	228.03	73.48	232.59	73.84
	39	156.46	52.69	184.70	61.73	212.94	69.25	219.83	77.88	222.99	75.68	225.68	76.64	227.74	77.18
	41	156.46	54.84	184.70	64.24	212.94	72.08	219.15	81.05	220.69	78.84	223.33	79.63	225.32	80.26
	43	156.46	57.57	184.70	67.44	212.94	75.67	216.89	85.09	218.39	83.07	220.98	83.75	224.11	84.14
	46	156.46	60.08	184.70	70.38	212.94	78.97	212.56	88.80	214.02	86.27	214.35	86.56	215.14	86.55
	48	156.46	62.18	184.70	72.84	212.94	81.72	211.04	91.89	211.84	89.30	212.14	90.28	210.66	90.45
	50	156.46	64.71	184.70	75.80	212.94	85.05	210.39	95.64	209.66	93.04	209.93	93.80	208.42	94.07

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	147.50	25.41	174.13	29.77	200.75	33.40	213.00	36.30	231.90	36.66	248.22	37.03	258.10	37.39
	12	147.50	25.87	174.13	30.31	200.75	34.00	213.00	36.96	231.90	37.33	248.22	37.70	255.82	38.07
	14	147.50	26.33	174.13	30.85	200.75	34.61	213.00	37.62	231.90	38.00	246.01	38.37	253.54	38.75
	16	147.50	26.80	174.13	31.39	200.75	35.22	213.00	38.28	231.90	38.66	243.79	39.05	251.25	39.43
	18	147.50	27.26	174.13	31.93	200.75	35.82	213.00	38.94	231.90	39.33	241.57	39.72	248.97	40.11
	19	147.50	27.72	174.13	32.47	200.75	36.43	213.00	39.60	231.90	40.00	239.36	40.39	246.68	40.79
	21	147.50	28.18	174.13	33.01	200.75	37.04	213.00	40.26	231.90	40.66	237.14	41.07	244.40	41.47
	23	147.50	28.64	174.13	33.55	200.75	37.65	213.00	40.92	231.90	41.33	234.92	41.74	242.12	42.15
	25	147.50	29.57	174.13	34.64	200.75	38.86	213.00	42.24	229.73	42.66	232.71	43.08	239.83	43.51
	27	147.50	30.03	174.13	35.18	200.75	39.47	213.00	42.90	227.56	43.33	230.49	43.76	237.55	44.19
	29	147.50	36.96	174.13	43.30	200.75	48.58	213.00	52.80	225.40	53.33	228.28	53.86	235.26	54.38
	31	147.50	41.58	174.13	48.71	200.75	54.65	213.00	59.40	223.23	59.99	226.06	60.59	232.98	61.18
	33	147.50	43.89	174.13	51.41	200.75	57.68	213.00	62.70	218.89	63.33	223.84	63.95	230.69	64.58
	35	147.50	46.20	174.13	54.12	200.75	60.72	213.00	66.00	216.73	66.66	221.63	67.32	228.41	67.98
	37	147.50	48.21	174.13	56.48	200.75	63.37	208.74	68.88	212.39	69.23	214.98	69.58	219.27	69.92
	39	147.50	49.90	174.13	58.45	200.75	65.58	207.25	71.28	210.23	71.66	212.76	72.57	214.71	73.08
	41	147.50	51.93	174.13	60.83	200.75	68.25	206.61	74.18	208.06	74.66	210.55	75.40	212.42	76.00
	43	147.50	54.52	174.13	63.86	200.75	71.65	204.48	77.88	205.89	78.66	208.33	79.30	211.28	79.67
	46	147.50	56.89	174.13	66.65	200.75	74.77	200.39	81.28	201.77	81.70	202.08	81.97	202.83	81.95
	48	147.50	58.88	174.13	68.97	200.75	77.38	198.96	84.11	199.71	84.56	200.00	85.49	198.60	85.65
	50	147.50	61.28	174.13	71.78	200.75	80.53	198.35	87.54	197.66	88.10	197.91	88.82	196.49	89.07
90%	10	132.75	21.33	156.71	24.99	180.68	28.03	191.70	31.52	208.71	30.77	223.40	31.08	232.29	31.38
	12	132.75	21.72	156.71	25.44	180.68	28.54	191.70	32.10	208.71	31.33	223.40	31.64	230.24	31.95
	14	132.75	22.10	156.71	25.89	180.68	29.05	191.70	32.67	208.71	31.89	221.40	32.21	228.18	32.53
	16	132.75	22.49	156.71	26.35	180.68	29.56	191.70	33.24	208.71	32.45	219.41	32.77	226.13	33.10
	18	132.75	22.88	156.71	26.80	180.68	30.07	191.70	33.82	208.71	33.01	217.42	33.34	224.07	33.67
	19	132.75	23.27	156.71	27.26	180.68	30.58	191.70	34.39	208.71	33.57	215.42	33.90	222.02	34.24
	21	132.75	23.66	156.71	27.71	180.68	31.09	191.70	34.96	208.71	34.13	213.43	34.47	219.96	34.81
	23	132.75	24.04	156.71	28.17	180.68	31.60	191.70	35.53	208.71	34.69	211.43	35.03	217.90	35.38
	25	132.75	24.82	156.71	29.07	180.68	32.62	191.70	36.68	206.76	35.81	209.44	36.17	215.85	36.52
	27	132.75	25.21	156.71	29.53	180.68	33.13	191.70	37.25	204.81	36.37	207.44	36.73	213.79	37.09
	29	132.75	31.02	156.71	36.34	180.68	40.77	191.70	45.85	202.86	44.76	205.45	45.21	211.74	45.65
	31	132.75	34.90	156.71	40.89	180.68	45.87	191.70	51.58	200.91	50.36	203.45	50.86	209.68	51.36
	33	132.75	36.84	156.71	43.16	180.68	48.42	191.70	54.45	197.01	53.16	201.46	53.68	207.63	54.21
	35	132.75	38.78	156.71	45.43	180.68	50.97	191.70	57.31	195.05	55.95	199.46	56.51	205.57	57.06
	37	132.75	40.47	156.71	47.41	180.68	53.19	187.87	59.81	191.15	58.11	193.48	58.41	197.35	58.69
	39	132.75	41.88	156.71	49.06	180.68	55.05	186.52	61.90	189.20	60.15	191.49	60.92	193.24	61.34
	41	132.75	43.59	156.71	51.06	180.68	57.29	185.95	64.42	187.25	62.67	189.49	63.29	191.18	63.80
	43	132.75	45.76	156.71	53.61	180.68	60.14	184.03	67.63	185.30	66.03	187.50	66.57	190.15	66.88
	46	132.75	47.76	156.71	55.94	180.68	62.76	180.35	70.58	181.60	68.57	181.87	68.80	182.55	68.79
	48	132.75	49.42	156.71	57.89	180.68	64.95	179.06	73.04	179.74	70.98	180.00	71.76	178.74	71.89
	50	132.75	51.43	156.71	60.25	180.68	67.60	178.51	76.02	177.89	73.95	178.12	74.55	176.84	74.77
80%	10	118.00	17.48	139.30	20.48	160.60	22.97	170.40	25.83	185.52	25.22	198.58	25.47	206.48	25.72
	12	118.00	17.80	139.30	20.85	160.60	23.39	170.40	26.30	185.52	25.68	198.58	25.93	204.66	26.19
	14	118.00	18.11	139.30	21.22	160.60	23.81	170.40	26.77	185.52	26.14	196.80	26.40	202.83	26.65
	16	118.00	18.43	139.30	21.59	160.60	24.23	170.40	27.24	185.52	26.60	195.03	26.86	201.00	27.12
	18	118.00	18.75	139.30	21.96	160.60	24.64	170.40	27.71	185.52	27.05	193.26	27.32	199.17	27.59
	19	118.00	19.07	139.30	22.34	160.60	25.06	170.40	28.18	185.52	27.51	191.49	27.78	197.35	28.06
	21	118.00	19.39	139.30	22.71	160.60	25.48	170.40	28.65	185.52	27.97	189.71	28.25	195.52	28.52
	23	118.00	19.70	139.30	23.08	160.60	25.90	170.40	29.12	185.52	28.43	187.94	28.71	193.69	28.99
	25	118.00	20.34	139.30	23.83	160.60	26.73	170.40	30.06	183.78	29.35	186.17	29.64	191.86	29.93
	27	118.00	20.66	139.30	24.20	160.60	27.15	170.40	30.53	182.05	29.81	184.39	30.10	190.04	30.40
	29	118.00	25.42	139.30	29.78	160.60	33.41	170.40	37.57	180.32	36.68	182.62	37.05	188.21	37.41
	31	118.00	28.60	139.30	33.51	160.60	37.59	170.40	42.27	178.58	41.27	180.85	41.68	186.38	42.09
	33	118.00	30.19	139.30	35.37	160.60	39.68	170.40	44.62	175.12	43.56	179.07	43.99	184.56	44.42
	35	118.00	31.78	139.30	37.23	160.60	41.77	170.40	46.97	173.38	45.85	177.30	46.31	182.73	46.76
	37	118.00	33.17	139.30	38.85	160.60	43.59	166.99	49.02	169.91	47.62	171.98	47.86	175.42	48.10
	39	118.00	34.32	139.30	40.21	160.60	45.11	165.80	50.73	168.18	49.29	170.21	49.92	171.76	50.27
	41	118.00	35.72	139.30	41.84	160.60	46.95	165.29	52.79	166.45	51.36	168.44	51.86	169.94	52.28
	43	118.00	37.50	139.30	43.93	160.60	49.29	163.58	55.42	164.71	54.11	166.66	54.55	169.02	54.81
	46	118.00	39.14	139.30	45.84	160.60	51.44	160.31	57.84	161.42	56.20	161.66	56.38	162.26	56.37
	48	118.00	40.50	139.30	47.44	160.60	53.23	159.17	59.86	159.77	58.17	160.00	58.81	158.88	58.92
	50	118.00	42.15	139.30	49.38	160.60	55.40	158.68	62.30	158.12	60.60	158.33	61.10	157.19	61.27

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	103.25	13.90	121.89	16.28	140.53	18.27	149.10	20.54	162.33	20.05	173.76	20.25	180.67	20.45
	12	103.25	14.15	121.89	16.58	140.53	18.60	149.10	20.91	162.33	20.42	173.76	20.62	179.07	20.82
	14	103.25	14.40	121.89	16.87	140.53	18.93	149.10	21.29	162.33	20.78	172.20	20.99	177.47	21.19
	16	103.25	14.66	121.89	17.17	140.53	19.26	149.10	21.66	162.33	21.15	170.65	21.36	175.88	21.57
	18	103.25	14.91	121.89	17.47	140.53	19.60	149.10	22.03	162.33	21.51	169.10	21.72	174.28	21.94
	19	103.25	15.16	121.89	17.76	140.53	19.93	149.10	22.41	162.33	21.88	167.55	22.09	172.68	22.31
	21	103.25	15.41	121.89	18.06	140.53	20.26	149.10	22.78	162.33	22.24	166.00	22.46	171.08	22.68
	23	103.25	15.67	121.89	18.35	140.53	20.59	149.10	23.16	162.33	22.61	164.45	22.83	169.48	23.05
	25	103.25	16.17	121.89	18.95	140.53	21.26	149.10	23.90	160.81	23.34	162.90	23.57	167.88	23.80
	27	103.25	16.43	121.89	19.24	140.53	21.59	149.10	24.28	159.29	23.70	161.34	23.93	166.28	24.17
	29	103.25	20.22	121.89	23.68	140.53	26.57	149.10	29.88	157.78	29.17	159.79	29.46	164.68	29.75
	31	103.25	22.74	121.89	26.64	140.53	29.89	149.10	33.61	156.26	32.81	158.24	33.14	163.09	33.46
	33	103.25	24.01	121.89	28.12	140.53	31.55	149.10	35.48	153.23	34.64	156.69	34.98	161.49	35.32
	35	103.25	25.27	121.89	29.60	140.53	33.21	149.10	37.35	151.71	36.46	155.14	36.82	159.89	37.18
	37	103.25	26.37	121.89	30.89	140.53	34.66	146.12	38.98	148.68	37.87	150.48	38.06	153.49	38.25
	39	103.25	27.29	121.89	31.97	140.53	35.87	145.07	40.33	147.16	39.20	148.93	39.69	150.29	39.97
	41	103.25	28.40	121.89	33.27	140.53	37.33	144.63	41.98	145.64	40.84	147.38	41.24	148.70	41.57
	43	103.25	29.82	121.89	34.93	140.53	39.19	143.14	44.07	144.12	43.02	145.83	43.38	147.90	43.58
	46	103.25	31.12	121.89	36.45	140.53	40.90	140.27	45.99	141.24	44.68	141.46	44.83	141.98	44.82
	48	103.25	32.20	121.89	37.72	140.53	42.33	139.27	47.60	139.80	46.25	140.00	46.76	139.02	46.85
	50	103.25	33.52	121.89	39.26	140.53	44.05	138.84	49.53	138.36	48.19	138.54	48.58	137.54	48.72
60%	10	88.50	10.55	104.48	12.36	120.45	13.86	127.80	15.59	139.14	15.22	148.93	15.37	154.86	15.52
	12	88.50	10.74	104.48	12.58	120.45	14.12	127.80	15.87	139.14	15.50	148.93	15.65	153.49	15.80
	14	88.50	10.93	104.48	12.81	120.45	14.37	127.80	16.16	139.14	15.77	147.60	15.93	152.12	16.09
	16	88.50	11.12	104.48	13.03	120.45	14.62	127.80	16.44	139.14	16.05	146.27	16.21	150.75	16.37
	18	88.50	11.32	104.48	13.26	120.45	14.87	127.80	16.72	139.14	16.33	144.94	16.49	149.38	16.65
	19	88.50	11.51	104.48	13.48	120.45	15.12	127.80	17.01	139.14	16.60	143.61	16.77	148.01	16.93
	21	88.50	11.70	104.48	13.71	120.45	15.38	127.80	17.29	139.14	16.88	142.28	17.05	146.64	17.22
	23	88.50	11.89	104.48	13.93	120.45	15.63	127.80	17.57	139.14	17.16	140.95	17.33	145.27	17.50
	25	88.50	12.28	104.48	14.38	120.45	16.13	127.80	18.14	137.84	17.71	139.62	17.89	143.90	18.06
	27	88.50	12.47	104.48	14.60	120.45	16.39	127.80	18.43	136.54	17.99	138.29	18.17	142.53	18.34
	29	88.50	15.34	104.48	17.97	120.45	20.17	127.80	22.68	135.24	22.14	136.97	22.36	141.16	22.58
	31	88.50	17.26	104.48	20.22	120.45	22.69	127.80	25.51	133.94	24.91	135.64	25.15	139.79	25.40
	33	88.50	18.22	104.48	21.34	120.45	23.95	127.80	26.93	131.34	26.29	134.31	26.55	138.42	26.81
	35	88.50	19.18	104.48	22.47	120.45	25.21	127.80	28.35	130.04	27.67	132.98	27.95	137.05	28.22
	37	88.50	20.02	104.48	23.45	120.45	26.31	125.24	29.58	127.44	28.74	128.99	28.89	131.56	29.03
	39	88.50	20.71	104.48	24.27	120.45	27.22	124.35	30.61	126.14	29.75	127.66	30.13	128.82	30.34
	41	88.50	21.56	104.48	25.25	120.45	28.33	123.97	31.86	124.84	30.99	126.33	31.30	127.45	31.55
	43	88.50	22.63	104.48	26.51	120.45	29.75	122.69	33.45	123.53	32.66	125.00	32.92	126.77	33.08
	46	88.50	23.62	104.48	27.67	120.45	31.04	120.23	34.91	121.06	33.92	121.25	34.03	121.70	34.02
	48	88.50	24.44	104.48	28.63	120.45	32.13	119.38	36.12	119.83	35.10	120.00	35.49	119.16	35.56
	50	88.50	25.44	104.48	29.80	120.45	33.43	119.01	37.60	118.59	36.57	118.75	36.87	117.89	36.98
50%	10	73.75	7.43	87.06	8.70	100.38	9.77	106.50	10.98	115.95	10.72	124.11	10.83	129.05	10.93
	12	73.75	7.57	87.06	8.86	100.38	9.94	106.50	11.18	115.95	10.92	124.11	11.02	127.91	11.13
	14	73.75	7.70	87.06	9.02	100.38	10.12	106.50	11.38	115.95	11.11	123.00	11.22	126.77	11.33
	16	73.75	7.84	87.06	9.18	100.38	10.30	106.50	11.58	115.95	11.31	121.89	11.42	125.63	11.53
	18	73.75	7.97	87.06	9.34	100.38	10.48	106.50	11.78	115.95	11.50	120.79	11.61	124.48	11.73
	19	73.75	8.11	87.06	9.50	100.38	10.65	106.50	11.98	115.95	11.70	119.68	11.81	123.34	11.93
	21	73.75	8.24	87.06	9.65	100.38	10.83	106.50	12.18	115.95	11.89	118.57	12.01	122.20	12.13
	23	73.75	8.38	87.06	9.81	100.38	11.01	106.50	12.38	115.95	12.09	117.46	12.21	121.06	12.32
	25	73.75	8.65	87.06	10.13	100.38	11.36	106.50	12.78	114.87	12.48	116.35	12.60	119.92	12.72
	27	73.75	8.78	87.06	10.29	100.38	11.54	106.50	12.98	113.78	12.67	115.25	12.80	118.77	12.92
	29	73.75	10.81	87.06	12.66	100.38	14.20	106.50	15.97	112.70	15.59	114.14	15.75	117.63	15.90
	31	73.75	12.16	87.06	14.24	100.38	15.98	106.50	17.97	111.61	17.54	113.03	17.72	116.49	17.89
	33	73.75	12.83	87.06	15.03	100.38	16.87	106.50	18.97	109.45	18.52	111.92	18.70	115.35	18.89
	35	73.75	13.51	87.06	15.83	100.38	17.76	106.50	19.97	108.36	19.49	110.81	19.69	114.21	19.88
	37	73.75	14.10	87.06	16.52	100.38	18.53	104.37	20.84	106.20	20.25	107.49	20.35	109.64	20.45
	39	73.75	14.59	87.06	17.09	100.38	19.18	103.62	21.56	105.11	20.95	106.38	21.22	107.35	21.37
	41	73.75	15.19	87.06	17.79	100.38	19.96	103.31	22.44	104.03	21.83	105.27	22.05	106.21	22.22
	43	73.75	15.94	87.06	18.67	100.38	20.95	102.24	23.56	102.95	23.00	104.16	23.19	105.64	23.30
	46	73.75	16.64	87.06	19.49	100.38	21.87	100.20	24.59	100.89	23.89	101.04	23.97	101.41	23.96
	48	73.75	17.22	87.06	20.17	100.38	22.63	99.48	25.45	99.86	24.73	100.00	25.00	99.30	25.05
	50	73.75	17.92	87.06	20.99	100.38	23.55	99.17	26.48	98.83	25.76	98.96	25.97	98.25	26.05

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	59.00	5.89	69.65	6.90	80.30	7.74	85.20	8.71	92.76	8.50	99.29	8.58	103.24	8.67
	12	59.00	6.00	69.65	7.03	80.30	7.88	85.20	8.86	92.76	8.65	99.29	8.74	102.33	8.83
	14	59.00	6.10	69.65	7.15	80.30	8.02	85.20	9.02	92.76	8.81	98.40	8.90	101.41	8.98
	16	59.00	6.21	69.65	7.28	80.30	8.16	85.20	9.18	92.76	8.96	97.52	9.05	100.50	9.14
	18	59.00	6.32	69.65	7.40	80.30	8.30	85.20	9.34	92.76	9.12	96.63	9.21	99.59	9.30
	19	59.00	6.43	69.65	7.53	80.30	8.45	85.20	9.50	92.76	9.27	95.74	9.36	98.67	9.46
	21	59.00	6.53	69.65	7.65	80.30	8.59	85.20	9.66	92.76	9.43	94.86	9.52	97.76	9.61
	23	59.00	6.64	69.65	7.78	80.30	8.73	85.20	9.81	92.76	9.58	93.97	9.68	96.85	9.77
	25	59.00	6.85	69.65	8.03	80.30	9.01	85.20	10.13	91.89	9.89	93.08	9.99	95.93	10.09
	27	59.00	6.96	69.65	8.15	80.30	9.15	85.20	10.29	91.03	10.04	92.20	10.14	95.02	10.24
	29	59.00	8.57	69.65	10.04	80.30	11.26	85.20	12.66	90.16	12.36	91.31	12.48	94.11	12.61
	31	59.00	9.64	69.65	11.29	80.30	12.67	85.20	14.25	89.29	13.91	90.42	14.05	93.19	14.18
	33	59.00	10.17	69.65	11.92	80.30	13.37	85.20	15.04	87.56	14.68	89.54	14.83	92.28	14.97
	35	59.00	10.71	69.65	12.55	80.30	14.08	85.20	15.83	86.69	15.45	88.65	15.61	91.36	15.76
	37	59.00	11.18	69.65	13.09	80.30	14.69	83.50	16.52	84.96	16.05	85.99	16.13	87.71	16.21
	39	59.00	11.57	69.65	13.55	80.30	15.20	82.90	17.09	84.09	16.61	85.10	16.82	85.88	16.94
	41	59.00	12.04	69.65	14.10	80.30	15.82	82.64	17.79	83.22	17.31	84.22	17.48	84.97	17.62
	43	59.00	12.64	69.65	14.80	80.30	16.61	81.79	18.68	82.36	18.23	83.33	18.38	84.51	18.47
	46	59.00	13.19	69.65	15.45	80.30	17.33	80.16	19.49	80.71	18.94	80.83	19.00	81.13	19.00
	48	59.00	13.65	69.65	15.99	80.30	17.94	79.58	20.17	79.89	19.60	80.00	19.82	79.44	19.85
	50	59.00	14.20	69.65	16.64	80.30	18.67	79.34	20.99	79.06	20.42	79.16	20.59	78.60	20.65
30%	10	44.25	5.39	52.24	6.31	60.23	7.08	63.90	7.97	69.57	7.78	74.47	7.85	77.43	7.93
	12	44.25	5.49	52.24	6.43	60.23	7.21	63.90	8.11	69.57	7.92	74.47	8.00	76.75	8.08
	14	44.25	5.59	52.24	6.54	60.23	7.34	63.90	8.26	69.57	8.06	73.80	8.14	76.06	8.22
	16	44.25	5.68	52.24	6.66	60.23	7.47	63.90	8.40	69.57	8.20	73.14	8.28	75.38	8.36
	18	44.25	5.78	52.24	6.77	60.23	7.60	63.90	8.55	69.57	8.34	72.47	8.43	74.69	8.51
	19	44.25	5.88	52.24	6.89	60.23	7.73	63.90	8.69	69.57	8.48	71.81	8.57	74.01	8.65
	21	44.25	5.98	52.24	7.00	60.23	7.86	63.90	8.84	69.57	8.63	71.14	8.71	73.32	8.80
	23	44.25	6.08	52.24	7.12	60.23	7.99	63.90	8.98	69.57	8.77	70.48	8.85	72.63	8.94
	25	44.25	6.27	52.24	7.35	60.23	8.24	63.90	9.27	68.92	9.05	69.81	9.14	71.95	9.23
	27	44.25	6.37	52.24	7.46	60.23	8.37	63.90	9.41	68.27	9.19	69.15	9.28	71.26	9.37
	29	44.25	7.84	52.24	9.18	60.23	10.30	63.90	11.59	67.62	11.31	68.48	11.42	70.58	11.54
	31	44.25	8.82	52.24	10.33	60.23	11.59	63.90	13.04	66.97	12.73	67.82	12.85	69.89	12.98
	33	44.25	9.31	52.24	10.91	60.23	12.24	63.90	13.76	65.67	13.43	67.15	13.57	69.21	13.70
	35	44.25	9.80	52.24	11.48	60.23	12.88	63.90	14.48	65.02	14.14	66.49	14.28	68.52	14.42
	37	44.25	10.23	52.24	11.98	60.23	13.44	62.62	15.12	63.72	14.69	64.49	14.76	65.78	14.83
	39	44.25	10.58	52.24	12.40	60.23	13.91	62.17	15.64	63.07	15.20	63.83	15.39	64.41	15.50
	41	44.25	11.02	52.24	12.90	60.23	14.48	61.98	16.28	62.42	15.84	63.16	15.99	63.73	16.12
	43	44.25	11.56	52.24	13.55	60.23	15.20	61.34	17.09	61.77	16.69	62.50	16.82	63.38	16.90
	46	44.25	12.07	52.24	14.14	60.23	15.86	60.12	17.84	60.53	17.33	60.62	17.39	60.85	17.38
	48	44.25	12.49	52.24	14.63	60.23	16.41	59.69	18.46	59.91	17.94	60.00	18.13	59.58	18.17
	50	44.25	13.00	52.24	15.23	60.23	17.08	59.50	19.21	59.30	18.69	59.37	18.84	58.95	18.89
20%	10	29.50	3.12	34.83	3.65	40.15	4.10	42.60	4.61	46.38	4.50	49.64	4.54	51.62	4.59
	12	29.50	3.18	34.83	3.72	40.15	4.17	42.60	4.69	46.38	4.58	49.64	4.63	51.16	4.67
	14	29.50	3.23	34.83	3.79	40.15	4.25	42.60	4.78	46.38	4.66	49.20	4.71	50.71	4.76
	16	29.50	3.29	34.83	3.85	40.15	4.32	42.60	4.86	46.38	4.74	48.76	4.79	50.25	4.84
	18	29.50	3.35	34.83	3.92	40.15	4.40	42.60	4.94	46.38	4.83	48.31	4.87	49.79	4.92
	19	29.50	3.40	34.83	3.99	40.15	4.47	42.60	5.03	46.38	4.91	47.87	4.96	49.34	5.01
	21	29.50	3.46	34.83	4.05	40.15	4.55	42.60	5.11	46.38	4.99	47.43	5.04	48.88	5.09
	23	29.50	3.52	34.83	4.12	40.15	4.62	42.60	5.20	46.38	5.07	46.98	5.12	48.42	5.17
	25	29.50	3.63	34.83	4.25	40.15	4.77	42.60	5.36	45.95	5.24	46.54	5.29	47.97	5.34
	27	29.50	3.69	34.83	4.32	40.15	4.84	42.60	5.45	45.51	5.32	46.10	5.37	47.51	5.42
	29	29.50	4.54	34.83	5.31	40.15	5.96	42.60	6.70	45.08	6.54	45.66	6.61	47.05	6.67
	31	29.50	5.10	34.83	5.98	40.15	6.71	42.60	7.54	44.65	7.36	45.21	7.44	46.60	7.51
	33	29.50	5.39	34.83	6.31	40.15	7.08	42.60	7.96	43.78	7.77	44.77	7.85	46.14	7.93
	35	29.50	5.67	34.83	6.64	40.15	7.45	42.60	8.38	43.35	8.18	44.33	8.26	45.68	8.34
	37	29.50	5.92	34.83	6.93	40.15	7.78	41.75	8.75	42.48	8.50	43.00	8.54	43.85	8.58
	39	29.50	6.12	34.83	7.17	40.15	8.05	41.45	9.05	42.05	8.79	42.55	8.91	42.94	8.97
	41	29.50	6.37	34.83	7.47	40.15	8.38	41.32	9.42	41.61	9.16	42.11	9.25	42.48	9.33
	43	29.50	6.69	34.83	7.84	40.15	8.79	40.90	9.89	41.18	9.65	41.67	9.73	42.26	9.78
	46	29.50	6.98	34.83	8.18	40.15	9.18	40.08	10.32	40.35	10.03	40.42	10.06	40.57	10.06
	48	29.50	7.23	34.83	8.46	40.15	9.50	39.79	10.68	39.94	10.38	40.00	10.49	39.72	10.51
	50	29.50	7.52	34.83	8.81	40.15	9.88	39.67	11.11	39.53	10.81	39.58	10.90	39.30	10.93

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR780ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	165.90	28.94	195.85	33.90	225.79	38.03	239.57	42.45	260.83	41.75	279.18	42.16	290.30	42.58
	12	165.90	29.46	195.85	34.51	225.79	38.72	239.57	43.22	260.83	42.51	279.18	42.93	287.73	43.35
	14	165.90	29.99	195.85	35.13	225.79	39.41	239.57	44.00	260.83	43.27	276.69	43.70	285.16	44.13
	16	165.90	30.51	195.85	35.75	225.79	40.10	239.57	44.77	260.83	44.03	274.20	44.46	282.59	44.90
	18	165.90	31.04	195.85	36.36	225.79	40.80	239.57	45.54	260.83	44.79	271.71	45.23	280.02	45.67
	19	165.90	31.57	195.85	36.98	219.02	41.49	239.57	46.31	260.83	45.55	269.21	46.00	277.45	46.45
	21	165.90	32.09	195.85	37.59	225.79	42.18	239.57	47.08	260.83	46.31	266.72	46.76	274.89	47.22
	23	165.90	32.62	195.85	38.21	225.79	42.87	239.57	47.86	260.83	47.06	264.23	47.53	272.32	48.00
	25	165.90	33.67	195.85	39.44	225.79	44.25	239.57	49.40	258.39	48.58	261.74	49.06	269.75	49.54
	27	165.90	34.20	195.85	40.06	225.79	44.94	239.57	50.17	255.95	49.34	259.24	49.83	267.18	50.32
	29	165.90	42.09	195.85	49.30	225.79	55.32	239.57	61.75	253.51	60.73	256.75	61.33	264.61	61.93
	31	165.90	47.35	195.85	55.47	225.79	62.23	239.57	69.47	251.07	68.32	254.26	69.00	262.04	69.67
	33	165.90	49.98	195.85	58.55	225.79	65.69	239.57	73.33	246.20	72.11	251.76	72.83	259.47	73.54
	35	165.90	52.61	195.85	61.63	225.79	69.15	239.57	77.19	243.76	75.91	249.27	76.66	256.90	77.41
	37	165.90	54.90	195.85	64.32	225.79	72.16	234.78	80.55	238.89	78.84	241.79	79.24	246.63	79.63
	39	165.90	56.82	195.85	66.56	225.79	74.68	233.10	83.36	236.45	81.60	239.30	82.64	241.49	83.22
	41	165.90	59.13	195.85	69.27	225.79	77.72	232.38	86.76	234.01	85.02	236.81	85.86	238.92	86.55
	43	165.90	62.08	195.85	72.72	225.79	81.59	229.99	91.08	231.57	89.57	234.32	90.31	237.63	90.73
	46	165.90	64.79	195.85	75.89	225.79	85.15	225.39	95.05	226.94	93.03	227.29	93.34	228.13	93.32
	48	165.90	67.05	195.85	78.54	225.79	88.12	223.78	98.37	224.63	96.29	224.94	97.35	223.38	97.53
	50	165.90	69.78	195.85	81.74	225.79	91.71	223.09	102.37	222.31	100.32	222.60	101.14	221.00	101.43
120%	10	163.20	28.66	192.66	33.57	222.12	37.66	235.67	42.04	256.58	41.35	274.64	41.75	285.57	42.16
	12	163.20	29.18	192.66	34.18	222.12	38.35	235.67	42.80	256.58	42.10	274.64	42.51	283.04	42.93
	14	163.20	29.70	192.66	34.79	222.12	39.03	235.67	43.57	256.58	42.85	272.19	43.27	280.52	43.70
	16	163.20	30.22	192.66	35.40	222.12	39.72	235.67	44.33	256.58	43.60	269.73	44.03	277.99	44.46
	18	163.20	30.74	192.66	36.01	222.12	40.40	235.67	45.10	256.58	44.35	267.28	44.79	275.46	45.23
	19	163.20	31.26	192.66	36.62	222.12	41.08	235.67	45.86	256.58	45.10	264.83	45.55	272.94	46.00
	21	163.20	31.78	192.66	37.23	222.12	41.77	235.67	46.63	256.58	45.86	262.38	46.31	270.41	46.76
	23	163.20	32.30	192.66	37.84	222.12	42.45	235.67	47.39	256.58	46.61	259.93	47.07	267.88	47.53
	25	163.20	33.34	192.66	39.06	222.12	43.82	235.67	48.92	254.18	48.11	257.47	48.59	265.35	49.06
	27	163.20	33.87	192.66	39.67	222.12	44.51	235.67	49.68	251.78	48.86	255.02	49.35	262.83	49.83
	29	163.20	41.68	192.66	48.83	222.12	54.78	235.67	61.15	249.38	60.14	252.57	60.73	260.30	61.33
	31	163.20	46.89	192.66	54.93	222.12	61.63	235.67	68.79	246.99	67.66	250.12	68.33	257.77	69.00
	33	163.20	49.50	192.66	57.98	222.12	65.05	235.67	72.62	242.19	71.41	247.66	72.12	255.25	72.83
	35	163.20	52.10	192.66	61.03	222.12	68.47	235.67	76.44	239.79	75.17	245.21	75.92	252.72	76.66
	37	163.20	54.37	192.66	63.69	222.12	71.46	230.95	79.77	235.00	78.08	237.86	78.47	242.61	78.85
	39	163.20	56.27	192.66	65.91	222.12	73.95	229.30	82.55	232.60	80.81	235.40	81.84	237.56	82.41
	41	163.20	58.56	192.66	68.60	222.12	76.97	228.60	85.92	230.20	84.19	232.95	85.03	235.03	85.71
	43	163.20	61.48	192.66	72.02	222.12	80.80	226.24	90.20	227.80	88.70	230.50	89.43	233.76	89.85
	46	163.20	64.16	192.66	75.16	222.12	84.32	221.72	94.13	223.25	92.13	223.58	92.44	224.41	92.42
	48	163.20	66.40	192.66	77.78	222.12	87.26	220.13	97.41	220.97	95.36	221.28	96.41	219.74	96.59
	50	163.20	69.10	192.66	80.95	222.12	90.82	219.45	101.38	218.69	99.35	218.97	100.16	217.40	100.45
110%	10	160.50	27.97	189.47	32.77	218.44	36.76	231.77	41.04	252.33	40.36	270.09	40.76	280.84	41.16
	12	160.50	28.48	189.47	33.36	218.44	37.43	231.77	41.79	252.33	41.09	270.09	41.50	278.36	41.91
	14	160.50	28.99	189.47	33.96	218.44	38.10	231.77	42.53	252.33	41.83	267.68	42.24	275.87	42.66
	16	160.50	29.50	189.47	34.56	218.44	38.77	231.77	43.28	252.33	42.56	265.27	42.98	273.39	43.41
	18	160.50	30.01	189.47	35.15	218.44	39.44	231.77	44.02	252.33	43.30	262.86	43.72	270.90	44.15
	19	160.50	30.52	189.47	35.75	218.44	40.11	231.77	44.77	252.33	44.03	260.44	44.47	268.42	44.90
	21	160.50	31.02	189.47	36.34	218.44	40.78	231.77	45.52	252.33	44.76	258.03	45.21	265.93	45.65
	23	160.50	31.53	189.47	36.94	218.44	41.44	231.77	46.26	252.33	45.50	255.62	45.95	263.45	46.40
	25	160.50	32.55	189.47	38.13	218.44	42.78	231.77	47.75	249.97	46.97	253.21	47.43	260.96	47.90
	27	160.50	33.06	189.47	38.73	218.44	43.45	231.77	48.50	247.61	47.70	250.80	48.17	258.48	48.64
	29	160.50	40.69	189.47	47.66	218.44	53.48	231.77	59.69	245.25	58.71	248.39	59.29	255.99	59.87
	31	160.50	45.77	189.47	53.62	218.44	60.16	231.77	67.16	242.90	66.05	245.98	66.70	253.51	67.35
	33	160.50	48.32	189.47	56.60	218.44	63.50	231.77	70.89	238.18	69.71	243.56	70.40	251.02	71.09
	35	160.50	50.86	189.47	59.58	218.44	66.84	231.77	74.62	235.82	73.38	241.15	74.11	248.53	74.84
	37	160.50	53.08	189.47	62.18	218.44	69.76	227.13	77.87	231.11	76.22	233.92	76.60	238.59	76.98
	39	160.50	54.93	189.47	64.35	218.44	72.19	225.51	80.59	228.75	78.89	231.51	79.89	233.62	80.45
	41	160.50	57.17	189.47	66.97	218.44	75.13	224.81	83.87	226.39	82.19	229.09	83.00	231.14	83.67
	43	160.50	60.01	189.47	70.30	218.44	78.88	222.50	88.05	224.03	86.59	226.68	87.30	229.89	87.71
	46	160.50	62.63	189.47	73.37	218.44	82.32	218.05	91.89	219.55	89.94	219.88	90.24	220.70	90.22
	48	160.50	64.82	189.47	75.93	218.44	85.19	216.49	95.09	217.31	93.09	217.62	94.11	216.10	94.29
	50	160.50	67.46	189.47	79.02	218.44	88.66	215.82	98.97	215.07	96.98	215.35	97.78	213.80	98.06

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	151.31	26.49	178.62	31.03	205.94	34.81	218.50	37.84	237.89	38.22	254.63	38.60	264.77	38.98
	12	151.31	26.97	178.62	31.59	205.94	35.45	218.50	38.53	237.89	38.91	254.63	39.30	262.43	39.68
	14	151.31	27.45	178.62	32.16	205.94	36.08	218.50	39.22	237.89	39.61	252.36	40.00	260.08	40.39
	16	151.31	27.93	178.62	32.72	205.94	36.71	218.50	39.90	237.89	40.30	250.08	40.70	257.74	41.10
	18	151.31	28.41	178.62	33.29	205.94	37.34	218.50	40.59	237.89	41.00	247.81	41.40	255.40	41.81
	19	151.31	28.90	178.62	33.85	205.94	37.98	218.50	41.28	237.89	41.69	245.54	42.11	253.05	42.52
	21	151.31	29.38	178.62	34.41	205.94	38.61	218.50	41.97	237.89	42.39	243.26	42.81	250.71	43.23
	23	151.31	29.86	178.62	34.98	205.94	39.24	218.50	42.66	237.89	43.08	240.99	43.51	248.37	43.94
	25	151.31	30.82	178.62	36.11	205.94	40.51	218.50	44.03	235.66	44.47	238.72	44.91	246.02	45.35
	27	151.31	31.30	178.62	36.67	205.94	41.14	218.50	44.72	233.44	45.17	236.44	45.61	243.68	46.06
	29	151.31	38.53	178.62	45.13	205.94	50.64	218.50	55.04	231.22	55.59	234.17	56.14	241.34	56.69
	31	151.31	43.34	178.62	50.77	205.94	56.97	218.50	61.92	228.99	62.54	231.90	63.16	238.99	63.78
	33	151.31	45.75	178.62	53.60	205.94	60.13	218.50	65.36	224.55	66.01	229.62	66.67	236.65	67.32
	35	151.31	48.16	178.62	56.42	205.94	63.30	218.50	68.80	222.32	69.49	227.35	70.18	234.31	70.86
	37	151.31	50.26	178.62	58.88	205.94	66.06	214.13	71.80	217.88	72.17	220.53	72.53	224.94	72.89
	39	151.31	52.01	178.62	60.93	205.94	68.36	212.60	74.30	215.65	74.70	218.26	75.65	220.25	76.18
	41	151.31	54.13	178.62	63.41	205.94	71.14	211.95	77.33	213.43	77.83	215.98	78.60	217.91	79.23
	43	151.31	56.83	178.62	66.57	205.94	74.69	209.76	81.18	211.21	82.00	213.71	82.67	216.74	83.05
	46	151.31	59.31	178.62	69.47	205.94	77.95	205.56	84.72	206.98	85.16	207.30	85.44	208.07	85.43
	48	151.31	61.38	178.62	71.90	205.94	80.66	204.10	87.68	204.87	88.15	205.16	89.12	203.73	89.28
	50	151.31	63.88	178.62	74.83	205.94	83.95	203.47	91.25	202.76	91.84	203.02	92.59	201.56	92.85
90%	10	136.18	22.23	160.76	26.05	185.34	29.22	196.65	32.62	214.10	32.08	229.17	32.40	238.29	32.72
	12	136.18	22.64	160.76	26.52	185.34	29.75	196.65	33.21	214.10	32.66	229.17	32.99	236.18	33.31
	14	136.18	23.04	160.76	26.99	185.34	30.28	196.65	33.81	214.10	33.25	227.12	33.58	234.07	33.91
	16	136.18	23.45	160.76	27.47	185.34	30.82	196.65	34.40	214.10	33.83	225.08	34.17	231.97	34.50
	18	136.18	23.85	160.76	27.94	185.34	31.35	196.65	34.99	214.10	34.41	223.03	34.75	229.86	35.09
	19	136.18	24.26	160.76	28.41	185.34	31.88	196.65	35.58	214.10	35.00	220.98	35.34	227.75	35.69
	21	136.18	24.66	160.76	28.89	185.34	32.41	196.65	36.18	214.10	35.58	218.94	35.93	225.64	36.28
	23	136.18	25.06	160.76	29.36	185.34	32.94	196.65	36.77	214.10	36.16	216.89	36.52	223.53	36.88
	25	136.18	25.87	160.76	30.31	185.34	34.00	196.65	37.96	212.10	37.33	214.85	37.70	221.42	38.07
	27	136.18	26.28	160.76	30.78	185.34	34.53	196.65	38.55	210.10	37.91	212.80	38.29	219.31	38.66
	29	136.18	32.34	160.76	37.88	185.34	42.50	196.65	47.45	208.10	46.66	210.75	47.12	217.20	47.59
	31	136.18	36.38	160.76	42.62	185.34	47.82	196.65	53.38	206.09	52.50	208.71	53.01	215.10	53.53
	33	136.18	38.40	160.76	44.99	185.34	50.47	196.65	56.34	202.09	55.41	206.66	55.96	212.99	56.51
	35	136.18	40.43	160.76	47.36	185.34	53.13	196.65	59.31	200.09	58.33	204.61	58.91	210.88	59.48
	37	136.18	42.19	160.76	49.42	185.34	55.45	192.72	61.89	196.09	60.58	198.48	60.88	202.44	61.18
	39	136.18	43.66	160.76	51.14	185.34	57.38	191.34	64.05	194.09	62.70	196.43	63.50	198.22	63.94
	41	136.18	45.44	160.76	53.23	185.34	59.72	190.75	66.66	192.09	65.33	194.38	65.97	196.12	66.50
	43	136.18	47.70	160.76	55.88	185.34	62.69	188.78	69.98	190.09	68.83	192.34	69.39	195.06	69.71
	46	136.18	49.78	160.76	58.32	185.34	65.43	185.01	73.03	186.29	71.48	186.57	71.72	187.26	71.71
	48	136.18	51.52	160.76	60.35	185.34	67.71	183.69	75.58	184.38	73.99	184.64	74.80	183.36	74.94
	50	136.18	53.62	160.76	62.81	185.34	70.47	183.12	78.66	182.48	77.09	182.72	77.72	181.41	77.94
80%	10	121.05	18.22	142.90	21.34	164.75	23.95	174.80	26.73	190.31	26.29	203.70	26.55	211.81	26.81
	12	121.05	18.55	142.90	21.73	164.75	24.38	174.80	27.22	190.31	26.77	203.70	27.03	209.94	27.30
	14	121.05	18.88	142.90	22.12	164.75	24.82	174.80	27.70	190.31	27.25	201.89	27.52	208.07	27.79
	16	121.05	19.21	142.90	22.51	164.75	25.25	174.80	28.19	190.31	27.72	200.07	28.00	206.19	28.27
	18	121.05	19.55	142.90	22.90	164.75	25.69	174.80	28.68	190.31	28.20	198.25	28.48	204.32	28.76
	19	121.05	19.88	142.90	23.28	164.75	26.12	174.80	29.16	190.31	28.68	196.43	28.96	202.44	29.25
	21	121.05	20.21	142.90	23.67	164.75	26.56	174.80	29.65	190.31	29.16	194.61	29.45	200.57	29.73
	23	121.05	20.54	142.90	24.06	164.75	26.99	174.80	30.13	190.31	29.64	192.79	29.93	198.69	30.22
	25	121.05	21.20	142.90	24.84	164.75	27.87	174.80	31.11	188.53	30.59	190.97	30.89	196.82	31.20
	27	121.05	21.53	142.90	25.22	164.75	28.30	174.80	31.59	186.75	31.07	189.15	31.38	194.94	31.68
	29	121.05	26.50	142.90	31.05	164.75	34.83	174.80	38.88	184.97	38.24	187.34	38.62	193.07	39.00
	31	121.05	29.82	142.90	34.93	164.75	39.19	174.80	43.74	183.19	43.02	185.52	43.45	191.20	43.87
	33	121.05	31.47	142.90	36.87	164.75	41.36	174.80	46.17	179.64	45.41	183.70	45.86	189.32	46.31
	35	121.05	33.13	142.90	38.81	164.75	43.54	174.80	48.60	177.86	47.80	181.88	48.27	187.45	48.75
	37	121.05	34.57	142.90	40.50	164.75	45.44	171.30	50.72	174.30	49.64	176.42	49.89	179.95	50.14
	39	121.05	35.78	142.90	41.91	164.75	47.02	170.08	52.49	172.52	51.38	174.60	52.04	176.20	52.40
	41	121.05	37.24	142.90	43.62	164.75	48.94	169.56	54.63	170.74	53.54	172.79	54.07	174.33	54.50
	43	121.05	39.09	142.90	45.79	164.75	51.38	167.81	57.35	168.97	56.40	170.97	56.87	173.39	57.13
	46	121.05	40.80	142.90	47.79	164.75	53.62	164.45	59.85	165.59	58.58	165.84	58.78	166.45	58.76
	48	121.05	42.22	142.90	49.46	164.75	55.49	163.28	61.94	163.90	60.63	164.13	61.30	162.98	61.41
	50	121.05	43.94	142.90	51.47	164.75	57.75	162.77	64.46	162.21	63.17	162.42	63.69	161.25	63.87

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	105.92	14.49	125.04	16.97	144.16	19.04	152.95	21.26	166.52	20.90	178.24	21.11	185.34	21.32
	12	105.92	14.75	125.04	17.28	144.16	19.39	152.95	21.64	166.52	21.28	178.24	21.50	183.70	21.71
	14	105.92	15.01	125.04	17.59	144.16	19.73	152.95	22.03	166.52	21.66	176.65	21.88	182.06	22.09
	16	105.92	15.28	125.04	17.90	144.16	20.08	152.95	22.42	166.52	22.04	175.06	22.26	180.42	22.48
	18	105.92	15.54	125.04	18.21	144.16	20.43	152.95	22.80	166.52	22.42	173.47	22.65	178.78	22.87
	19	105.92	15.81	125.04	18.51	144.16	20.77	152.95	23.19	166.52	22.80	171.88	23.03	177.14	23.26
	21	105.92	16.07	125.04	18.82	144.16	21.12	152.95	23.57	166.52	23.18	170.28	23.41	175.50	23.64
	23	105.92	16.33	125.04	19.13	144.16	21.47	152.95	23.96	166.52	23.56	168.69	23.80	173.86	24.03
	25	105.92	16.86	125.04	19.75	144.16	22.16	152.95	24.73	164.96	24.33	167.10	24.57	172.22	24.81
	27	105.92	17.12	125.04	20.06	144.16	22.50	152.95	25.12	163.41	24.71	165.51	24.95	170.58	25.19
	29	105.92	21.07	125.04	24.69	144.16	27.70	152.95	30.92	161.85	30.41	163.92	30.71	168.94	31.01
	31	105.92	23.71	125.04	27.77	144.16	31.16	152.95	34.78	160.30	34.21	162.33	34.55	167.30	34.88
	33	105.92	25.02	125.04	29.31	144.16	32.89	152.95	36.71	157.18	36.11	160.74	36.46	165.66	36.82
	35	105.92	26.34	125.04	30.86	144.16	34.62	152.95	38.65	155.63	38.01	159.14	38.38	164.02	38.76
	37	105.92	27.49	125.04	32.20	144.16	36.13	149.89	40.33	152.51	39.47	154.37	39.67	157.46	39.87
	39	105.92	28.45	125.04	33.33	144.16	37.39	148.82	41.74	150.96	40.86	152.78	41.38	154.17	41.67
	41	105.92	29.61	125.04	34.68	144.16	38.91	148.36	43.44	149.40	42.57	151.19	42.99	152.53	43.33
	43	105.92	31.08	125.04	36.41	144.16	40.85	146.83	45.60	147.85	44.85	149.60	45.22	151.71	45.43
	46	105.92	32.44	125.04	38.00	144.16	42.63	143.90	47.59	144.89	46.58	145.11	46.74	145.65	46.73
	48	105.92	33.57	125.04	39.33	144.16	44.12	142.87	49.25	143.41	48.21	143.61	48.74	142.61	48.83
	50	105.92	34.94	125.04	40.93	144.16	45.92	142.43	51.26	141.93	50.23	142.12	50.64	141.09	50.79
60%	10	90.79	11.00	107.17	12.88	123.56	14.45	131.10	16.13	142.73	15.87	152.78	16.02	158.86	16.18
	12	90.79	11.20	107.17	13.12	123.56	14.72	131.10	16.43	142.73	16.15	152.78	16.31	157.46	16.47
	14	90.79	11.40	107.17	13.35	123.56	14.98	131.10	16.72	142.73	16.44	151.41	16.61	156.05	16.77
	16	90.79	11.60	107.17	13.58	123.56	15.24	131.10	17.01	142.73	16.73	150.05	16.90	154.64	17.06
	18	90.79	11.80	107.17	13.82	123.56	15.50	131.10	17.31	142.73	17.02	148.69	17.19	153.24	17.36
	19	90.79	12.00	107.17	14.05	123.56	15.77	131.10	17.60	142.73	17.31	147.32	17.48	151.83	17.65
	21	90.79	12.20	107.17	14.29	123.56	16.03	131.10	17.89	142.73	17.60	145.96	17.77	150.43	17.95
	23	90.79	12.40	107.17	14.52	123.56	16.29	131.10	18.19	142.73	17.89	144.59	18.06	149.02	18.24
	25	90.79	12.80	107.17	14.99	123.56	16.82	131.10	18.77	141.40	18.46	143.23	18.65	147.61	18.83
	27	90.79	13.00	107.17	15.22	123.56	17.08	131.10	19.07	140.06	18.75	141.87	18.94	146.21	19.12
	29	90.79	15.99	107.17	18.74	123.56	21.02	131.10	23.47	138.73	23.08	140.50	23.31	144.80	23.54
	31	90.79	17.99	107.17	21.08	123.56	23.65	131.10	26.40	137.40	25.96	139.14	26.22	143.40	26.48
	33	90.79	18.99	107.17	22.25	123.56	24.96	131.10	27.87	134.73	27.41	137.77	27.68	141.99	27.95
	35	90.79	19.99	107.17	23.42	123.56	26.28	131.10	29.33	133.39	28.85	136.41	29.13	140.59	29.42
	37	90.79	20.87	107.17	24.44	123.56	27.42	128.48	30.61	130.73	29.96	132.32	30.11	134.96	30.26
	39	90.79	21.59	107.17	25.29	123.56	28.38	127.56	31.68	129.39	31.01	130.95	31.41	132.15	31.63
	41	90.79	22.47	107.17	26.33	123.56	29.54	127.17	32.97	128.06	32.31	129.59	32.63	130.74	32.89
	43	90.79	23.59	107.17	27.64	123.56	31.01	125.86	34.61	126.72	34.04	128.22	34.32	130.04	34.48
	46	90.79	24.62	107.17	28.84	123.56	32.36	123.34	36.12	124.19	35.35	124.38	35.47	124.84	35.47
	48	90.79	25.48	107.17	29.85	123.56	33.49	122.46	37.38	122.92	36.59	123.10	37.00	122.24	37.07
	50	90.79	26.52	107.17	31.06	123.56	34.85	122.08	38.90	121.66	38.13	121.81	38.44	120.94	38.55
50%	10	75.66	7.75	89.31	9.07	102.97	10.18	109.25	11.36	118.94	11.18	127.32	11.29	132.38	11.40
	12	75.66	7.89	89.31	9.24	102.97	10.37	109.25	11.57	118.94	11.38	127.32	11.49	131.21	11.60
	14	75.66	8.03	89.31	9.40	102.97	10.55	109.25	11.78	118.94	11.58	126.18	11.70	130.04	11.81
	16	75.66	8.17	89.31	9.57	102.97	10.74	109.25	11.98	118.94	11.79	125.04	11.90	128.87	12.02
	18	75.66	8.31	89.31	9.73	102.97	10.92	109.25	12.19	118.94	11.99	123.91	12.11	127.70	12.23
	19	75.66	8.45	89.31	9.90	102.97	11.11	109.25	12.40	118.94	12.19	122.77	12.31	126.53	12.43
	21	75.66	8.59	89.31	10.06	102.97	11.29	109.25	12.60	118.94	12.40	121.63	12.52	125.36	12.64
	23	75.66	8.73	89.31	10.23	102.97	11.48	109.25	12.81	118.94	12.60	120.50	12.72	124.18	12.85
	25	75.66	9.01	89.31	10.56	102.97	11.85	109.25	13.22	117.83	13.00	119.36	13.13	123.01	13.26
	27	75.66	9.15	89.31	10.72	102.97	12.03	109.25	13.43	116.72	13.21	118.22	13.34	121.84	13.47
	29	75.66	11.27	89.31	13.20	102.97	14.81	109.25	16.53	115.61	16.26	117.08	16.42	120.67	16.58
	31	75.66	12.67	89.31	14.85	102.97	16.66	109.25	18.60	114.50	18.29	115.95	18.47	119.50	18.65
	33	75.66	13.38	89.31	15.67	102.97	17.58	109.25	19.63	112.27	19.30	114.81	19.50	118.33	19.69
	35	75.66	14.08	89.31	16.50	102.97	18.51	109.25	20.66	111.16	20.32	113.67	20.52	117.15	20.72
	37	75.66	14.70	89.31	17.22	102.97	19.32	107.07	21.56	108.94	21.10	110.26	21.21	112.47	21.32
	39	75.66	15.21	89.31	17.82	102.97	19.99	106.30	22.31	107.83	21.84	109.13	22.12	110.12	22.28
	41	75.66	15.83	89.31	18.54	102.97	20.80	105.97	23.22	106.72	22.76	107.99	22.98	108.95	23.17
	43	75.66	16.62	89.31	19.47	102.97	21.84	104.88	24.38	105.60	23.98	106.85	24.17	108.37	24.29
	46	75.66	17.34	89.31	20.32	102.97	22.79	102.78	25.44	103.49	24.90	103.65	24.99	104.03	24.98
	48	75.66	17.95	89.31	21.02	102.97	23.59	102.05	26.33	102.44	25.78	102.58	26.06	101.87	26.11
	50	75.66	18.68	89.31	21.88	102.97	24.55	101.73	27.40	101.38	26.85	101.51	27.07	100.78	27.15

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	60.52	6.14	71.45	7.19	82.37	8.07	87.40	9.01	95.15	8.86	101.85	8.95	105.91	9.04
	12	60.52	6.25	71.45	7.32	82.37	8.22	87.40	9.17	95.15	9.02	101.85	9.11	104.97	9.20
	14	60.52	6.36	71.45	7.45	82.37	8.36	87.40	9.34	95.15	9.18	100.94	9.27	104.03	9.36
	16	60.52	6.48	71.45	7.59	82.37	8.51	87.40	9.50	95.15	9.34	100.03	9.44	103.10	9.53
	18	60.52	6.59	71.45	7.72	82.37	8.66	87.40	9.66	95.15	9.50	99.12	9.60	102.16	9.69
	19	60.52	6.70	71.45	7.85	82.37	8.80	87.40	9.83	95.15	9.67	98.21	9.76	101.22	9.86
	21	60.52	6.81	71.45	7.98	82.37	8.95	87.40	9.99	95.15	9.83	97.31	9.92	100.28	10.02
	23	60.52	6.92	71.45	8.11	82.37	9.10	87.40	10.16	95.15	9.99	96.40	10.09	99.35	10.19
	25	60.52	7.15	71.45	8.37	82.37	9.39	87.40	10.48	94.27	10.31	95.49	10.41	98.41	10.51
	27	60.52	7.26	71.45	8.50	82.37	9.54	87.40	10.65	93.38	10.47	94.58	10.57	97.47	10.68
	29	60.52	8.93	71.45	10.46	82.37	11.74	87.40	13.10	92.49	12.89	93.67	13.01	96.54	13.14
	31	60.52	10.05	71.45	11.77	82.37	13.21	87.40	14.74	91.60	14.50	92.76	14.64	95.60	14.78
	33	60.52	10.61	71.45	12.42	82.37	13.94	87.40	15.56	89.82	15.30	91.85	15.45	94.66	15.61
	35	60.52	11.16	71.45	13.08	82.37	14.67	87.40	16.38	88.93	16.11	90.94	16.27	93.72	16.43
	37	60.52	11.65	71.45	13.65	82.37	15.31	85.65	17.09	87.15	16.73	88.21	16.81	89.97	16.90
	39	60.52	12.06	71.45	14.12	82.37	15.85	85.04	17.69	86.26	17.32	87.30	17.54	88.10	17.66
	41	60.52	12.55	71.45	14.70	82.37	16.49	84.78	18.41	85.37	18.04	86.39	18.22	87.16	18.37
	43	60.52	13.17	71.45	15.43	82.37	17.31	83.90	19.33	84.48	19.01	85.48	19.16	86.69	19.25
	46	60.52	13.75	71.45	16.11	82.37	18.07	82.23	20.17	82.79	19.74	82.92	19.81	83.23	19.80
	48	60.52	14.23	71.45	16.67	82.37	18.70	81.64	20.87	81.95	20.43	82.06	20.66	81.49	20.70
	50	60.52	14.81	71.45	17.35	82.37	19.46	81.39	21.72	81.10	21.29	81.21	21.46	80.63	21.52
30%	10	45.39	5.62	53.59	6.58	61.78	7.38	65.55	8.24	71.37	8.11	76.39	8.19	79.43	8.27
	12	45.39	5.72	53.59	6.70	61.78	7.52	65.55	8.39	71.37	8.25	76.39	8.34	78.73	8.42
	14	45.39	5.82	53.59	6.82	61.78	7.65	65.55	8.54	71.37	8.40	75.71	8.48	78.02	8.57
	16	45.39	5.93	53.59	6.94	61.78	7.79	65.55	8.69	71.37	8.55	75.03	8.63	77.32	8.72
	18	45.39	6.03	53.59	7.06	61.78	7.92	65.55	8.84	71.37	8.70	74.34	8.78	76.62	8.87
	19	45.39	6.13	53.59	7.18	61.78	8.06	65.55	8.99	71.37	8.84	73.66	8.93	75.92	9.02
	21	45.39	6.23	53.59	7.30	61.78	8.19	65.55	9.14	71.37	8.99	72.98	9.08	75.21	9.17
	23	45.39	6.33	53.59	7.42	61.78	8.32	65.55	9.29	71.37	9.14	72.30	9.23	74.51	9.32
	25	45.39	6.54	53.59	7.66	61.78	8.59	65.55	9.59	70.70	9.43	71.62	9.53	73.81	9.62
	27	45.39	6.64	53.59	7.78	61.78	8.73	65.55	9.74	70.03	9.58	70.93	9.68	73.10	9.77
	29	45.39	8.17	53.59	9.57	61.78	10.74	65.55	11.99	69.37	11.79	70.25	11.91	72.40	12.03
	31	45.39	9.19	53.59	10.77	61.78	12.08	65.55	13.49	68.70	13.27	69.57	13.40	71.70	13.53
	33	45.39	9.70	53.59	11.37	61.78	12.76	65.55	14.24	67.36	14.00	68.89	14.14	71.00	14.28
	35	45.39	10.22	53.59	11.97	61.78	13.43	65.55	14.99	66.70	14.74	68.20	14.89	70.29	15.03
	37	45.39	10.66	53.59	12.49	61.78	14.01	64.24	15.64	65.36	15.31	66.16	15.39	67.48	15.46
	39	45.39	11.03	53.59	12.92	61.78	14.50	63.78	16.19	64.70	15.85	65.48	16.05	66.07	16.16
	41	45.39	11.48	53.59	13.45	61.78	15.09	63.58	16.85	64.03	16.51	64.79	16.67	65.37	16.81
	43	45.39	12.05	53.59	14.12	61.78	15.84	62.93	17.69	63.36	17.39	64.11	17.54	65.02	17.62
	46	45.39	12.58	53.59	14.74	61.78	16.53	61.67	18.46	62.10	18.06	62.19	18.12	62.42	18.12
	48	45.39	13.02	53.59	15.25	61.78	17.11	61.23	19.10	61.46	18.70	61.55	18.90	61.12	18.94
	50	45.39	13.55	53.59	15.87	61.78	17.81	61.04	19.88	60.83	19.48	60.91	19.64	60.47	19.70
20%	10	30.26	3.25	35.72	3.81	41.19	4.27	43.70	4.77	47.58	4.69	50.93	4.74	52.95	4.78
	12	30.26	3.31	35.72	3.88	41.19	4.35	43.70	4.86	47.58	4.78	50.93	4.82	52.49	4.87
	14	30.26	3.37	35.72	3.95	41.19	4.43	43.70	4.94	47.58	4.86	50.47	4.91	52.02	4.96
	16	30.26	3.43	35.72	4.02	41.19	4.51	43.70	5.03	47.58	4.95	50.02	5.00	51.55	5.04
	18	30.26	3.49	35.72	4.09	41.19	4.58	43.70	5.12	47.58	5.03	49.56	5.08	51.08	5.13
	19	30.26	3.55	35.72	4.15	41.19	4.66	43.70	5.20	47.58	5.12	49.11	5.17	50.61	5.22
	21	30.26	3.61	35.72	4.22	41.19	4.74	43.70	5.29	47.58	5.20	48.65	5.25	50.14	5.31
	23	30.26	3.66	35.72	4.29	41.19	4.82	43.70	5.38	47.58	5.29	48.20	5.34	49.67	5.39
	25	30.26	3.78	35.72	4.43	41.19	4.97	43.70	5.55	47.13	5.46	47.74	5.51	49.20	5.57
	27	30.26	3.84	35.72	4.50	41.19	5.05	43.70	5.64	46.69	5.54	47.29	5.60	48.74	5.65
	29	30.26	4.73	35.72	5.54	41.19	6.21	43.70	6.94	46.24	6.82	46.83	6.89	48.27	6.96
	31	30.26	5.32	35.72	6.23	41.19	6.99	43.70	7.80	45.80	7.68	46.38	7.75	47.80	7.83
	33	30.26	5.62	35.72	6.58	41.19	7.38	43.70	8.24	44.91	8.10	45.92	8.18	47.33	8.26
	35	30.26	5.91	35.72	6.92	41.19	7.77	43.70	8.67	44.46	8.53	45.47	8.61	46.86	8.70
	37	30.26	6.17	35.72	7.23	41.19	8.11	42.83	9.05	43.58	8.86	44.11	8.90	44.99	8.95
	39	30.26	6.38	35.72	7.48	41.19	8.39	42.52	9.37	43.13	9.17	43.65	9.28	44.05	9.35
	41	30.26	6.64	35.72	7.78	41.19	8.73	42.39	9.75	42.69	9.55	43.20	9.65	43.58	9.72
	43	30.26	6.97	35.72	8.17	41.19	9.17	41.95	10.23	42.24	10.06	42.74	10.15	43.35	10.19
	46	30.26	7.28	35.72	8.53	41.19	9.57	41.11	10.68	41.40	10.45	41.46	10.49	41.61	10.48
	48	30.26	7.53	35.72	8.82	41.19	9.90	40.82	11.05	40.97	10.82	41.03	10.94	40.75	10.96
	50	30.26	7.84	35.72	9.18	41.19	10.30	40.69	11.50	40.55	11.27	40.60	11.36	40.31	11.40

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR800ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	170.08	29.40	200.78	34.44	231.48	38.64	245.60	43.58	267.39	42.42	286.21	42.84	297.61	43.26
	12	170.08	29.93	200.78	35.06	231.48	39.34	245.60	44.38	267.39	43.19	286.21	43.62	294.97	44.04
	14	170.08	30.47	200.78	35.69	231.48	40.04	245.60	45.17	267.39	43.96	283.66	44.40	292.34	44.83
	16	170.08	31.00	200.78	36.32	231.48	40.75	245.60	45.96	267.39	44.73	281.10	45.17	289.71	45.62
	18	170.08	31.54	200.78	36.94	231.48	41.45	245.60	46.75	267.39	45.50	278.55	45.95	287.07	46.40
	19	170.08	32.07	200.78	37.57	224.53	42.15	245.60	47.55	267.39	46.27	275.99	46.73	284.44	47.19
	21	170.08	32.61	200.78	38.20	231.48	42.85	245.60	48.34	267.39	47.05	273.44	47.51	281.81	47.98
	23	170.08	33.14	200.78	38.82	231.48	43.56	245.60	49.13	267.39	47.82	270.88	48.29	279.17	48.76
	25	170.08	34.21	200.78	40.07	231.48	44.96	245.60	50.72	264.89	49.36	268.32	49.85	276.54	50.34
	27	170.08	34.74	200.78	40.70	231.48	45.66	245.60	51.51	262.39	50.13	265.77	50.63	273.90	51.12
	29	170.08	42.76	200.78	50.09	231.48	56.20	245.60	63.39	259.89	61.70	263.21	62.31	271.27	62.92
	31	170.08	48.11	200.78	56.35	231.48	63.23	245.60	71.32	257.39	69.41	260.66	70.10	268.64	70.79
	33	170.08	50.78	200.78	59.48	231.48	66.74	245.60	75.28	252.40	73.27	258.10	73.99	266.00	74.72
	35	170.08	53.45	200.78	62.62	231.48	70.25	245.60	79.24	249.90	77.12	255.55	77.89	263.37	78.65
	37	170.08	55.78	200.78	65.35	231.48	73.31	240.69	82.70	244.90	80.10	247.88	80.50	252.83	80.90
	39	170.08	57.73	200.78	67.62	231.48	75.87	238.97	85.58	242.40	82.91	245.32	83.96	247.57	84.55
	41	170.08	60.08	200.78	70.38	231.48	78.96	238.23	89.07	239.90	86.38	242.77	87.23	244.93	87.93
	43	170.08	63.07	200.78	73.89	231.48	82.90	235.78	93.51	237.40	91.01	240.21	91.75	243.62	92.18
	46	170.08	65.82	200.78	77.11	231.48	86.51	231.06	97.58	232.66	94.52	233.01	94.83	233.87	94.82
	48	170.08	68.12	200.78	79.80	231.48	89.53	229.41	100.99	230.28	97.83	230.61	98.91	229.00	99.09
	50	170.08	70.89	200.78	83.05	231.48	93.18	228.70	105.10	227.91	101.93	228.20	102.76	226.56	103.06
120%	10	167.31	29.11	197.51	34.10	227.71	38.26	241.60	43.16	263.04	42.01	281.55	42.42	292.76	42.84
	12	167.31	29.64	197.51	34.72	227.71	38.96	241.60	43.94	263.04	42.77	281.55	43.19	290.17	43.62
	14	167.31	30.17	197.51	35.34	227.71	39.65	241.60	44.73	263.04	43.53	279.04	43.96	287.58	44.40
	16	167.31	30.70	197.51	35.96	227.71	40.35	241.60	45.51	263.04	44.30	276.52	44.74	284.99	45.17
	18	167.31	31.23	197.51	36.58	227.71	41.05	241.60	46.30	263.04	45.06	274.01	45.51	282.40	45.95
	19	167.31	31.76	197.51	37.20	227.71	41.74	241.60	47.08	263.04	45.83	271.50	46.28	279.81	46.73
	21	167.31	32.29	197.51	37.82	227.71	42.44	241.60	47.87	263.04	46.59	268.98	47.05	277.22	47.51
	23	167.31	32.82	197.51	38.44	227.71	43.13	241.60	48.65	263.04	47.35	266.47	47.82	274.62	48.29
	25	167.31	33.88	197.51	39.68	227.71	44.52	241.60	50.22	260.58	48.88	263.95	49.36	272.03	49.85
	27	167.31	34.41	197.51	40.30	227.71	45.22	241.60	51.01	258.12	49.64	261.44	50.14	269.44	50.63
	29	167.31	42.35	197.51	49.61	227.71	55.66	241.60	62.78	255.66	61.10	258.93	61.71	266.85	62.31
	31	167.31	47.64	197.51	55.81	227.71	62.61	241.60	70.63	253.20	68.74	256.41	69.42	264.26	70.10
	33	167.31	50.29	197.51	58.91	227.71	66.09	241.60	74.55	248.29	72.56	253.90	73.27	261.67	73.99
	35	167.31	52.93	197.51	62.01	227.71	69.57	241.60	78.47	245.83	76.38	251.38	77.13	259.08	77.89
	37	167.31	55.24	197.51	64.71	227.71	72.60	236.77	81.89	240.91	79.32	243.84	79.72	248.72	80.12
	39	167.31	57.17	197.51	66.97	227.71	75.14	235.08	84.75	238.45	82.10	241.33	83.15	243.53	83.73
	41	167.31	59.50	197.51	69.70	227.71	78.20	234.35	88.20	235.99	85.54	238.82	86.39	240.94	87.08
	43	167.31	62.46	197.51	73.17	227.71	82.09	231.94	92.60	233.54	90.12	236.30	90.86	239.65	91.28
	46	167.31	65.18	197.51	76.36	227.71	85.67	227.30	96.64	228.87	93.60	229.21	93.91	230.06	93.90
	48	167.31	67.46	197.51	79.02	227.71	88.66	225.67	100.01	226.53	96.88	226.85	97.95	225.27	98.13
	50	167.31	70.21	197.51	82.24	227.71	92.27	224.98	104.08	224.20	100.94	224.49	101.76	222.87	102.06
110%	10	164.54	28.42	194.24	33.29	223.94	37.35	237.60	42.13	258.68	41.01	276.89	41.41	287.91	41.82
	12	164.54	28.94	194.24	33.90	223.94	38.03	237.60	42.90	258.68	41.75	276.89	42.17	285.37	42.58
	14	164.54	29.45	194.24	34.50	223.94	38.71	237.60	43.66	258.68	42.50	274.42	42.92	282.82	43.34
	16	164.54	29.97	194.24	35.11	223.94	39.39	237.60	44.43	258.68	43.24	271.95	43.67	280.27	44.10
	18	164.54	30.49	194.24	35.71	223.94	40.07	237.60	45.20	258.68	43.99	269.47	44.42	277.72	44.86
	19	164.54	31.00	194.24	36.32	223.94	40.75	237.60	45.96	258.68	44.73	267.00	45.18	275.17	45.62
	21	164.54	31.52	194.24	36.92	223.94	41.43	237.60	46.73	258.68	45.48	264.53	45.93	272.63	46.38
	23	164.54	32.04	194.24	37.53	223.94	42.11	237.60	47.49	258.68	46.23	262.06	46.68	270.08	47.14
	25	164.54	33.07	194.24	38.74	223.94	43.46	237.60	49.03	256.26	47.72	259.58	48.19	267.53	48.66
	27	164.54	33.59	194.24	39.35	223.94	44.14	237.60	49.79	253.85	48.46	257.11	48.94	264.98	49.42
	29	164.54	41.34	194.24	48.43	223.94	54.33	237.60	61.28	251.43	59.65	254.64	60.24	262.43	60.83
	31	164.54	46.51	194.24	54.48	223.94	61.12	237.60	68.94	249.01	67.10	252.17	67.77	259.89	68.43
	33	164.54	49.09	194.24	57.50	223.94	64.52	237.60	72.77	244.18	70.83	249.70	71.53	257.34	72.23
	35	164.54	51.67	194.24	60.53	223.94	67.91	237.60	76.60	241.76	74.56	247.22	75.30	254.79	76.03
	37	164.54	53.93	194.24	63.17	223.94	70.87	232.85	79.94	236.92	77.43	239.81	77.82	244.60	78.21
	39	164.54	55.81	194.24	65.37	223.94	73.35	231.18	82.73	234.51	80.15	237.33	81.17	239.50	81.74
	41	164.54	58.08	194.24	68.04	223.94	76.33	230.47	86.10	232.09	83.50	234.86	84.33	236.96	85.01
	43	164.54	60.97	194.24	71.43	223.94	80.14	228.10	90.39	229.67	87.98	232.39	88.70	235.68	89.11
	46	164.54	63.63	194.24	74.54	223.94	83.63	223.53	94.33	225.08	91.37	225.42	91.68	226.25	91.66
	48	164.54	65.85	194.24	77.14	223.94	86.55	221.94	97.62	222.78	94.58	223.09	95.62	221.54	95.79
	50	164.54	68.53	194.24	80.28	223.94	90.07	221.25	101.60	220.48	98.53	220.77	99.34	219.18	99.63

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	155.12	26.91	183.12	31.52	211.12	35.37	224.00	38.45	243.87	38.83	261.04	39.21	271.43	39.60
	12	155.12	27.40	183.12	32.10	211.12	36.01	224.00	39.14	243.87	39.54	261.04	39.93	269.03	40.32
	14	155.12	27.89	183.12	32.67	211.12	36.66	224.00	39.84	243.87	40.24	258.71	40.64	266.63	41.04
	16	155.12	28.38	183.12	33.24	211.12	37.30	224.00	40.54	243.87	40.95	256.38	41.35	264.23	41.76
	18	155.12	28.87	183.12	33.82	211.12	37.94	224.00	41.24	243.87	41.65	254.05	42.07	261.82	42.48
	19	155.12	29.36	183.12	34.39	211.12	38.58	224.00	41.94	243.87	42.36	251.72	42.78	259.42	43.20
	21	155.12	29.85	183.12	34.96	211.12	39.23	224.00	42.64	243.87	43.07	249.39	43.49	257.02	43.92
	23	155.12	30.34	183.12	35.54	211.12	39.87	224.00	43.34	243.87	43.77	247.06	44.20	254.62	44.64
	25	155.12	31.32	183.12	36.68	211.12	41.16	224.00	44.74	241.60	45.18	244.73	45.63	252.22	46.08
	27	155.12	31.80	183.12	37.26	211.12	41.80	224.00	45.44	239.32	45.89	242.39	46.34	249.81	46.80
	29	155.12	39.14	183.12	45.85	211.12	51.45	224.00	55.92	237.04	56.48	240.06	57.04	247.41	57.60
	31	155.12	44.04	183.12	51.59	211.12	57.88	224.00	62.91	234.76	63.54	237.73	64.17	245.01	64.80
	33	155.12	46.48	183.12	54.45	211.12	61.09	224.00	66.41	230.20	67.07	235.40	67.73	242.61	68.40
	35	155.12	48.93	183.12	57.32	211.12	64.31	224.00	69.90	227.92	70.60	233.07	71.30	240.21	72.00
	37	155.12	51.06	183.12	59.82	211.12	67.11	219.52	72.95	223.36	73.32	226.08	73.69	230.60	74.06
	39	155.12	52.84	183.12	61.90	211.12	69.45	217.95	75.49	221.08	75.89	223.75	76.86	225.79	77.40
	41	155.12	55.00	183.12	64.43	211.12	72.28	217.28	78.57	218.80	79.07	221.42	79.85	223.39	80.49
	43	155.12	57.74	183.12	67.64	211.12	75.88	215.04	82.48	216.52	83.31	219.09	83.99	222.19	84.38
	46	155.12	60.25	183.12	70.58	211.12	79.19	210.74	86.08	212.19	86.52	212.52	86.81	213.30	86.79
	48	155.12	62.36	183.12	73.05	211.12	81.95	209.23	89.08	210.03	89.55	210.32	90.54	208.86	90.71
	50	155.12	64.90	183.12	76.02	211.12	85.29	208.59	92.71	207.86	93.30	208.13	94.07	206.64	94.34
90%	10	139.61	22.59	164.81	26.46	190.01	29.69	201.60	33.49	219.49	32.59	234.94	32.92	244.29	33.24
	12	139.61	23.00	164.81	26.94	190.01	30.23	201.60	34.10	219.49	33.19	234.94	33.51	242.13	33.84
	14	139.61	23.41	164.81	27.42	190.01	30.77	201.60	34.71	219.49	33.78	232.84	34.11	239.97	34.45
	16	139.61	23.82	164.81	27.91	190.01	31.31	201.60	35.32	219.49	34.37	230.74	34.71	237.80	35.05
	18	139.61	24.23	164.81	28.39	190.01	31.85	201.60	35.92	219.49	34.96	228.64	35.31	235.64	35.66
	19	139.61	24.64	164.81	28.87	190.01	32.39	201.60	36.53	219.49	35.56	226.55	35.91	233.48	36.26
	21	139.61	25.05	164.81	29.35	190.01	32.93	201.60	37.14	219.49	36.15	224.45	36.51	231.32	36.86
	23	139.61	25.46	164.81	29.83	190.01	33.47	201.60	37.75	219.49	36.74	222.35	37.11	229.16	37.47
	25	139.61	26.29	164.81	30.79	190.01	34.55	201.60	38.97	217.44	37.93	220.25	38.30	227.00	38.68
	27	139.61	26.70	164.81	31.27	190.01	35.09	201.60	39.58	215.38	38.52	218.16	38.90	224.83	39.28
	29	139.61	32.86	164.81	38.49	190.01	43.18	201.60	48.71	213.33	47.41	216.06	47.88	222.67	48.35
	31	139.61	36.96	164.81	43.30	190.01	48.58	201.60	54.80	211.28	53.33	213.96	53.86	220.51	54.39
	33	139.61	39.02	164.81	45.71	190.01	51.28	201.60	57.84	207.18	56.30	211.86	56.85	218.35	57.41
	35	139.61	41.07	164.81	48.11	190.01	53.98	201.60	60.89	205.13	59.26	209.76	59.85	216.19	60.43
	37	139.61	42.86	164.81	50.21	190.01	56.33	197.57	63.54	201.03	61.55	203.47	61.86	207.54	62.16
	39	139.61	44.36	164.81	51.96	190.01	58.30	196.16	65.76	198.97	63.70	201.37	64.52	203.21	64.97
	41	139.61	46.16	164.81	54.08	190.01	60.67	195.55	68.44	196.92	66.37	199.28	67.03	201.05	67.57
	43	139.61	48.46	164.81	56.77	190.01	63.70	193.54	71.85	194.87	69.93	197.18	70.50	199.97	70.83
	46	139.61	50.58	164.81	59.25	190.01	66.47	189.67	74.98	190.97	72.63	191.26	72.87	191.97	72.85
	48	139.61	52.34	164.81	61.31	190.01	68.79	188.31	77.60	189.03	75.17	189.29	76.00	187.97	76.14
	50	139.61	54.47	164.81	63.81	190.01	71.59	187.73	80.76	187.08	78.32	187.32	78.96	185.97	79.19
80%	10	124.10	18.51	146.50	21.69	168.90	24.33	179.20	27.44	195.10	26.71	208.83	26.97	217.15	27.24
	12	124.10	18.85	146.50	22.08	168.90	24.77	179.20	27.94	195.10	27.20	208.83	27.46	215.22	27.73
	14	124.10	19.19	146.50	22.47	168.90	25.21	179.20	28.44	195.10	27.68	206.97	27.96	213.30	28.23
	16	124.10	19.52	146.50	22.87	168.90	25.66	179.20	28.94	195.10	28.17	205.10	28.45	211.38	28.72
	18	124.10	19.86	146.50	23.26	168.90	26.10	179.20	29.44	195.10	28.65	203.24	28.94	209.46	29.22
	19	124.10	20.19	146.50	23.66	168.90	26.54	179.20	29.94	195.10	29.14	201.37	29.43	207.54	29.72
	21	124.10	20.53	146.50	24.05	168.90	26.98	179.20	30.44	195.10	29.62	199.51	29.92	205.62	30.21
	23	124.10	20.87	146.50	24.45	168.90	27.43	179.20	30.94	195.10	30.11	197.65	30.41	203.70	30.71
	25	124.10	21.54	146.50	25.23	168.90	28.31	179.20	31.93	193.28	31.08	195.78	31.39	201.77	31.70
	27	124.10	21.88	146.50	25.63	168.90	28.75	179.20	32.43	191.45	31.57	193.92	31.88	199.85	32.19
	29	124.10	26.93	146.50	31.54	168.90	35.39	179.20	39.92	189.63	38.85	192.05	39.24	197.93	39.62
	31	124.10	30.29	146.50	35.49	168.90	39.81	179.20	44.91	187.81	43.71	190.19	44.14	196.01	44.57
	33	124.10	31.98	146.50	37.46	168.90	42.02	179.20	47.40	184.16	46.14	188.32	46.59	194.09	47.05
	35	124.10	33.66	146.50	39.43	168.90	44.24	179.20	49.90	182.34	48.56	186.46	49.04	192.17	49.53
	37	124.10	35.13	146.50	41.15	168.90	46.16	175.62	52.07	178.69	50.44	180.86	50.69	184.48	50.94
	39	124.10	36.35	146.50	42.58	168.90	47.77	174.36	53.89	176.87	52.21	179.00	52.87	180.64	53.24
	41	124.10	37.83	146.50	44.32	168.90	49.72	173.82	56.08	175.04	54.39	177.13	54.93	178.71	55.37
	43	124.10	39.72	146.50	46.52	168.90	52.20	172.03	58.88	173.22	57.30	175.27	57.77	177.75	58.04
	46	124.10	41.45	146.50	48.55	168.90	54.47	168.59	61.45	169.75	59.52	170.01	59.72	170.64	59.70
	48	124.10	42.89	146.50	50.25	168.90	56.37	167.39	63.59	168.02	61.60	168.26	62.28	167.09	62.40
	50	124.10	44.64	146.50	52.29	168.90	58.67	166.87	66.18	166.29	64.18	166.51	64.71	165.31	64.89

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications  
Accessories  
Recommended Combination Table  
Capacity Tables  
Dimension Drawing  
Center of Gravity  
System Diagram  
Electrical Wiring Diagram  
External Wiring Connection  
Sound Data  
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Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	108.58	14.72	128.18	17.24	147.78	19.35	156.80	21.82	170.71	21.24	182.73	21.45	190.00	21.66
	12	108.58	14.99	128.18	17.56	147.78	19.70	156.80	22.22	170.71	21.62	182.73	21.84	188.32	22.05
	14	108.58	15.26	128.18	17.87	147.78	20.05	156.80	22.62	170.71	22.01	181.10	22.23	186.64	22.45
	16	108.58	15.52	128.18	18.18	147.78	20.40	156.80	23.01	170.71	22.40	179.47	22.62	184.96	22.84
	18	108.58	15.79	128.18	18.50	147.78	20.75	156.80	23.41	170.71	22.78	177.83	23.01	183.28	23.23
	19	108.58	16.06	128.18	18.81	147.78	21.10	156.80	23.81	170.71	23.17	176.20	23.40	181.60	23.63
	21	108.58	16.33	128.18	19.12	147.78	21.46	156.80	24.20	170.71	23.56	174.57	23.79	179.91	24.02
	23	108.58	16.59	128.18	19.44	147.78	21.81	156.80	24.60	170.71	23.94	172.94	24.18	178.23	24.42
	25	108.58	17.13	128.18	20.06	147.78	22.51	156.80	25.39	169.12	24.71	171.31	24.96	176.55	25.20
	27	108.58	17.40	128.18	20.38	147.78	22.86	156.80	25.79	167.52	25.10	169.68	25.35	174.87	25.60
	29	108.58	21.41	128.18	25.08	147.78	28.14	156.80	31.74	165.93	30.89	168.04	31.20	173.19	31.50
	31	108.58	24.09	128.18	28.22	147.78	31.66	156.80	35.71	164.33	34.75	166.41	35.10	171.51	35.44
	33	108.58	25.43	128.18	29.78	147.78	33.42	156.80	37.69	161.14	36.68	164.78	37.05	169.83	37.41
	35	108.58	26.76	128.18	31.35	147.78	35.17	156.80	39.68	159.54	38.62	163.15	39.00	168.14	39.38
	37	108.58	27.93	128.18	32.72	147.78	36.71	153.66	41.41	156.35	40.11	158.26	40.31	161.42	40.51
	39	108.58	28.90	128.18	33.86	147.78	37.99	152.57	42.85	154.76	41.51	156.62	42.04	158.06	42.33
	41	108.58	30.08	128.18	35.24	147.78	39.54	152.10	44.60	153.16	43.25	154.99	43.68	156.37	44.03
	43	108.58	31.58	128.18	36.99	147.78	41.51	150.53	46.82	151.57	45.57	153.36	45.94	155.53	46.15
	46	108.58	32.96	128.18	38.61	147.78	43.32	147.52	48.86	148.54	47.33	148.76	47.48	149.31	47.47
	48	108.58	34.11	128.18	39.95	147.78	44.83	146.46	50.56	147.02	48.98	147.23	49.52	146.20	49.62
	50	108.58	35.50	128.18	41.58	147.78	46.65	146.01	52.62	145.50	51.03	145.69	51.45	144.65	51.60
60%	10	93.07	11.17	109.87	13.09	126.67	14.68	134.40	16.56	146.32	16.12	156.62	16.28	162.86	16.44
	12	93.07	11.38	109.87	13.33	126.67	14.95	134.40	16.86	146.32	16.41	156.62	16.58	161.42	16.74
	14	93.07	11.58	109.87	13.56	126.67	15.22	134.40	17.17	146.32	16.71	155.23	16.87	159.98	17.04
	16	93.07	11.78	109.87	13.80	126.67	15.48	134.40	17.47	146.32	17.00	153.83	17.17	158.54	17.34
	18	93.07	11.98	109.87	14.04	126.67	15.75	134.40	17.77	146.32	17.29	152.43	17.46	157.09	17.63
	19	93.07	12.19	109.87	14.28	126.67	16.02	134.40	18.07	146.32	17.59	151.03	17.76	155.65	17.93
	21	93.07	12.39	109.87	14.52	126.67	16.29	134.40	18.37	146.32	17.88	149.63	18.06	154.21	18.23
	23	93.07	12.59	109.87	14.75	126.67	16.55	134.40	18.67	146.32	18.17	148.23	18.35	152.77	18.53
	25	93.07	13.00	109.87	15.23	126.67	17.09	134.40	19.27	144.96	18.76	146.84	18.94	151.33	19.13
	27	93.07	13.20	109.87	15.47	126.67	17.35	134.40	19.57	143.59	19.05	145.44	19.24	149.89	19.43
	29	93.07	16.25	109.87	19.04	126.67	21.36	134.40	24.09	142.22	23.45	144.04	23.68	148.45	23.91
	31	93.07	18.28	109.87	21.42	126.67	24.03	134.40	27.10	140.85	26.38	142.64	26.64	147.01	26.90
	33	93.07	19.30	109.87	22.61	126.67	25.36	134.40	28.61	138.12	27.84	141.24	28.12	145.57	28.40
	35	93.07	20.31	109.87	23.80	126.67	26.70	134.40	30.11	136.75	29.31	139.84	29.60	144.12	29.89
	37	93.07	21.20	109.87	24.83	126.67	27.86	131.71	31.43	134.02	30.44	135.65	30.59	138.36	30.74
	39	93.07	21.94	109.87	25.70	126.67	28.83	130.77	32.52	132.65	31.51	134.25	31.91	135.48	32.13
	41	93.07	22.83	109.87	26.75	126.67	30.01	130.37	33.85	131.28	32.83	132.85	33.15	134.04	33.42
	43	93.07	23.97	109.87	28.08	126.67	31.50	129.02	35.53	129.91	34.58	131.45	34.87	133.31	35.03
	46	93.07	25.01	109.87	29.30	126.67	32.88	126.44	37.08	127.32	35.92	127.51	36.04	127.98	36.03
	48	93.07	25.89	109.87	30.33	126.67	34.02	125.54	38.38	126.02	37.18	126.19	37.59	125.32	37.66
	50	93.07	26.94	109.87	31.56	126.67	35.41	125.15	39.94	124.72	38.74	124.88	39.05	123.98	39.16
50%	10	77.56	7.87	91.56	9.22	105.56	10.34	112.00	11.67	121.94	11.35	130.52	11.47	135.72	11.58
	12	77.56	8.01	91.56	9.39	105.56	10.53	112.00	11.88	121.94	11.56	130.52	11.68	134.52	11.79
	14	77.56	8.16	91.56	9.55	105.56	10.72	112.00	12.09	121.94	11.77	129.35	11.88	133.31	12.00
	16	77.56	8.30	91.56	9.72	105.56	10.91	112.00	12.30	121.94	11.97	128.19	12.09	132.11	12.21
	18	77.56	8.44	91.56	9.89	105.56	11.10	112.00	12.52	121.94	12.18	127.02	12.30	130.91	12.42
	19	77.56	8.58	91.56	10.06	105.56	11.28	112.00	12.73	121.94	12.39	125.86	12.51	129.71	12.63
	21	77.56	8.73	91.56	10.22	105.56	11.47	112.00	12.94	121.94	12.59	124.69	12.72	128.51	12.84
	23	77.56	8.87	91.56	10.39	105.56	11.66	112.00	13.15	121.94	12.80	123.53	12.93	127.31	13.05
	25	77.56	9.16	91.56	10.73	105.56	12.04	112.00	13.58	120.80	13.21	122.36	13.34	126.11	13.47
	27	77.56	9.30	91.56	10.89	105.56	12.22	112.00	13.79	119.66	13.42	121.20	13.55	124.91	13.68
	29	77.56	11.45	91.56	13.41	105.56	15.04	112.00	16.97	118.52	16.52	120.03	16.68	123.71	16.84
	31	77.56	12.88	91.56	15.09	105.56	16.92	112.00	19.09	117.38	18.58	118.87	18.76	122.51	18.95
	33	77.56	13.59	91.56	15.92	105.56	17.86	112.00	20.15	115.10	19.61	117.70	19.81	121.30	20.00
	35	77.56	14.31	91.56	16.76	105.56	18.81	112.00	21.21	113.96	20.64	116.54	20.85	120.10	21.05
	37	77.56	14.93	91.56	17.49	105.56	19.63	109.76	22.14	111.68	21.44	113.04	21.55	115.30	21.66
	39	77.56	15.45	91.56	18.10	105.56	20.31	108.98	22.91	110.54	22.19	111.87	22.48	112.90	22.63
	41	77.56	16.08	91.56	18.84	105.56	21.14	108.64	23.84	109.40	23.12	110.71	23.35	111.70	23.54
	43	77.56	16.88	91.56	19.78	105.56	22.19	107.52	25.03	108.26	24.36	109.54	24.56	111.10	24.67
	46	77.56	17.62	91.56	20.64	105.56	23.16	105.37	26.12	106.10	25.30	106.26	25.39	106.65	25.38
	48	77.56	18.23	91.56	21.36	105.56	23.97	104.62	27.03	105.01	26.19	105.16	26.48	104.43	26.53
	50	77.56	18.98	91.56	22.23	105.56	24.94	104.29	28.13	103.93	27.28	104.07	27.51	103.32	27.59

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	62.05	6.24	73.25	7.31	84.45	8.20	89.60	9.25	97.55	9.00	104.42	9.09	108.57	9.18
	12	62.05	6.35	73.25	7.44	84.45	8.35	89.60	9.42	97.55	9.17	104.42	9.26	107.61	9.35
	14	62.05	6.47	73.25	7.57	84.45	8.50	89.60	9.58	97.55	9.33	103.48	9.42	106.65	9.51
	16	62.05	6.58	73.25	7.71	84.45	8.65	89.60	9.75	97.55	9.49	102.55	9.59	105.69	9.68
	18	62.05	6.69	73.25	7.84	84.45	8.80	89.60	9.92	97.55	9.66	101.62	9.75	104.73	9.85
	19	62.05	6.81	73.25	7.97	84.45	8.94	89.60	10.09	97.55	9.82	100.69	9.92	103.77	10.01
	21	62.05	6.92	73.25	8.11	84.45	9.09	89.60	10.26	97.55	9.98	99.75	10.08	102.81	10.18
	23	62.05	7.03	73.25	8.24	84.45	9.24	89.60	10.43	97.55	10.15	98.82	10.25	101.85	10.35
	25	62.05	7.26	73.25	8.50	84.45	9.54	89.60	10.76	96.64	10.47	97.89	10.58	100.89	10.68
	27	62.05	7.37	73.25	8.64	84.45	9.69	89.60	10.93	95.73	10.64	96.96	10.74	99.93	10.85
	29	62.05	9.07	73.25	10.63	84.45	11.93	89.60	13.45	94.81	13.09	96.03	13.22	98.97	13.35
	31	62.05	10.21	73.25	11.96	84.45	13.42	89.60	15.13	93.90	14.73	95.09	14.88	98.00	15.02
	33	62.05	10.78	73.25	12.62	84.45	14.16	89.60	15.97	92.08	15.55	94.16	15.70	97.04	15.86
	35	62.05	11.34	73.25	13.29	84.45	14.91	89.60	16.82	91.17	16.37	93.23	16.53	96.08	16.69
	37	62.05	11.84	73.25	13.87	84.45	15.56	87.81	17.55	89.34	17.00	90.43	17.08	92.24	17.17
	39	62.05	12.25	73.25	14.35	84.45	16.10	87.18	18.16	88.43	17.59	89.50	17.82	90.32	17.94
	41	62.05	12.75	73.25	14.93	84.45	16.76	86.91	18.90	87.52	18.33	88.57	18.51	89.36	18.66
	43	62.05	13.38	73.25	15.68	84.45	17.59	86.02	19.84	86.61	19.31	87.64	19.47	88.88	19.56
	46	62.05	13.97	73.25	16.36	84.45	18.36	84.30	20.71	84.88	20.06	85.01	20.12	85.32	20.12
	48	62.05	14.46	73.25	16.93	84.45	19.00	83.69	21.43	84.01	20.76	84.13	20.99	83.54	21.03
	50	62.05	15.04	73.25	17.62	84.45	19.77	83.44	22.30	83.15	21.63	83.25	21.81	82.66	21.87
30%	10	46.54	5.71	54.94	6.69	63.34	7.50	67.20	8.46	73.16	8.24	78.31	8.32	81.43	8.40
	12	46.54	5.81	54.94	6.81	63.34	7.64	67.20	8.62	73.16	8.39	78.31	8.47	80.71	8.55
	14	46.54	5.92	54.94	6.93	63.34	7.78	67.20	8.77	73.16	8.54	77.61	8.62	79.99	8.71
	16	46.54	6.02	54.94	7.05	63.34	7.91	67.20	8.92	73.16	8.69	76.91	8.77	79.27	8.86
	18	46.54	6.12	54.94	7.17	63.34	8.05	67.20	9.08	73.16	8.84	76.21	8.92	78.55	9.01
	19	46.54	6.23	54.94	7.30	63.34	8.18	67.20	9.23	73.16	8.99	75.52	9.07	77.83	9.16
	21	46.54	6.33	54.94	7.42	63.34	8.32	67.20	9.39	73.16	9.14	74.82	9.23	77.11	9.32
	23	46.54	6.44	54.94	7.54	63.34	8.46	67.20	9.54	73.16	9.28	74.12	9.38	76.39	9.47
	25	46.54	6.64	54.94	7.78	63.34	8.73	67.20	9.85	72.48	9.58	73.42	9.68	75.67	9.77
	27	46.54	6.75	54.94	7.90	63.34	8.87	67.20	10.00	71.79	9.73	72.72	9.83	74.94	9.93
	29	46.54	8.30	54.94	9.73	63.34	10.91	67.20	12.31	71.11	11.98	72.02	12.10	74.22	12.22
	31	46.54	9.34	54.94	10.94	63.34	12.28	67.20	13.85	70.43	13.48	71.32	13.61	73.50	13.74
	33	46.54	9.86	54.94	11.55	63.34	12.96	67.20	14.62	69.06	14.23	70.62	14.37	72.78	14.51
	35	46.54	10.38	54.94	12.16	63.34	13.64	67.20	15.39	68.38	14.98	69.92	15.12	72.06	15.27
	37	46.54	10.83	54.94	12.69	63.34	14.24	65.86	16.06	67.01	15.55	67.82	15.63	69.18	15.71
	39	46.54	11.21	54.94	13.13	63.34	14.73	65.39	16.62	66.32	16.10	67.12	16.30	67.74	16.42
	41	46.54	11.67	54.94	13.67	63.34	15.33	65.18	17.29	65.64	16.77	66.43	16.94	67.02	17.07
	43	46.54	12.25	54.94	14.35	63.34	16.10	64.51	18.16	64.96	17.67	65.73	17.82	66.66	17.90
	46	46.54	12.78	54.94	14.97	63.34	16.80	63.22	18.95	63.66	18.35	63.75	18.41	63.99	18.41
	48	46.54	13.23	54.94	15.49	63.34	17.38	62.77	19.61	63.01	19.00	63.10	19.21	62.66	19.24
	50	46.54	13.77	54.94	16.13	63.34	18.09	62.58	20.41	62.36	19.79	62.44	19.95	61.99	20.01
20%	10	31.02	3.30	36.62	3.87	42.22	4.34	44.80	4.90	48.77	4.77	52.21	4.81	54.29	4.86
	12	31.02	3.36	36.62	3.94	42.22	4.42	44.80	4.99	48.77	4.85	52.21	4.90	53.81	4.95
	14	31.02	3.42	36.62	4.01	42.22	4.50	44.80	5.07	48.77	4.94	51.74	4.99	53.33	5.04
	16	31.02	3.48	36.62	4.08	42.22	4.58	44.80	5.16	48.77	5.03	51.28	5.08	52.85	5.12
	18	31.02	3.54	36.62	4.15	42.22	4.66	44.80	5.25	48.77	5.11	50.81	5.16	52.36	5.21
	19	31.02	3.60	36.62	4.22	42.22	4.74	44.80	5.34	48.77	5.20	50.34	5.25	51.88	5.30
	21	31.02	3.66	36.62	4.29	42.22	4.81	44.80	5.43	48.77	5.29	49.88	5.34	51.40	5.39
	23	31.02	3.72	36.62	4.36	42.22	4.89	44.80	5.52	48.77	5.37	49.41	5.43	50.92	5.48
	25	31.02	3.84	36.62	4.50	42.22	5.05	44.80	5.70	48.32	5.55	48.95	5.60	50.44	5.66
	27	31.02	3.90	36.62	4.57	42.22	5.13	44.80	5.79	47.86	5.63	48.48	5.69	49.96	5.74
	29	31.02	4.80	36.62	5.63	42.22	6.31	44.80	7.12	47.41	6.93	48.01	7.00	49.48	7.07
	31	31.02	5.40	36.62	6.33	42.22	7.10	44.80	8.01	46.95	7.80	47.55	7.88	49.00	7.95
	33	31.02	5.70	36.62	6.68	42.22	7.50	44.80	8.46	46.04	8.23	47.08	8.31	48.52	8.39
	35	31.02	6.01	36.62	7.03	42.22	7.89	44.80	8.90	45.58	8.66	46.61	8.75	48.04	8.84
	37	31.02	6.27	36.62	7.34	42.22	8.24	43.90	9.29	44.67	9.00	45.22	9.04	46.12	9.09
	39	31.02	6.49	36.62	7.60	42.22	8.52	43.59	9.61	44.22	9.31	44.75	9.43	45.16	9.50
	41	31.02	6.75	36.62	7.91	42.22	8.87	43.46	10.01	43.76	9.70	44.28	9.80	44.68	9.88
	43	31.02	7.09	36.62	8.30	42.22	9.31	43.01	10.50	43.30	10.22	43.82	10.31	44.44	10.36
	46	31.02	7.39	36.62	8.66	42.22	9.72	42.15	10.96	42.44	10.62	42.50	10.65	42.66	10.65
	48	31.02	7.65	36.62	8.96	42.22	10.06	41.85	11.35	42.01	10.99	42.06	11.11	41.77	11.13
	50	31.02	7.96	36.62	9.33	42.22	10.47	41.72	11.81	41.57	11.45	41.63	11.54	41.33	11.58

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR820ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	174.25	29.86	205.71	34.98	237.16	39.25	251.63	44.71	273.96	43.09	293.24	43.51	304.91	43.94
	12	174.25	30.40	205.71	35.62	237.16	39.96	251.63	45.53	273.96	43.87	293.24	44.30	302.22	44.74
	14	174.25	30.95	205.71	36.25	237.16	40.67	251.63	46.34	273.96	44.65	290.62	45.09	299.52	45.54
	16	174.25	31.49	205.71	36.89	237.16	41.39	251.63	47.15	273.96	45.44	288.00	45.89	296.82	46.34
	18	174.25	32.03	205.71	37.52	237.16	42.10	251.63	47.97	273.96	46.22	285.39	46.68	294.12	47.13
	19	174.25	32.58	205.71	38.16	230.05	42.81	251.63	48.78	273.96	47.00	282.77	47.47	291.42	47.93
	21	174.25	33.12	205.71	38.80	237.16	43.53	251.63	49.59	273.96	47.79	280.15	48.26	288.72	48.73
	23	174.25	33.66	205.71	39.43	237.16	44.24	251.63	50.40	273.96	48.57	277.53	49.05	286.03	49.53
	25	174.25	34.75	205.71	40.70	237.16	45.67	251.63	52.03	271.40	50.14	274.91	50.63	283.33	51.13
	27	174.25	35.29	205.71	41.34	237.16	46.38	251.63	52.84	268.84	50.92	272.29	51.42	280.63	51.93
	29	174.25	43.43	205.71	50.88	237.16	57.09	251.63	65.04	266.28	62.67	269.68	63.29	277.93	63.91
	31	174.25	48.86	205.71	57.24	237.16	64.22	251.63	73.17	263.71	70.50	267.06	71.20	275.23	71.90
	33	174.25	51.58	205.71	60.42	237.16	67.79	251.63	77.23	258.59	74.42	264.44	75.16	272.53	75.89
	35	174.25	54.29	205.71	63.60	237.16	71.36	251.63	81.30	256.03	78.34	261.82	79.11	269.84	79.89
	37	174.25	56.66	205.71	66.37	237.16	74.47	246.60	84.84	250.91	81.36	253.97	81.77	259.04	82.17
	39	174.25	58.64	205.71	68.69	237.16	77.07	244.84	87.80	248.35	84.21	251.35	85.28	253.65	85.88
	41	174.25	61.03	205.71	71.49	237.16	80.21	244.08	91.38	245.79	87.74	248.73	88.61	250.95	89.32
	43	174.25	64.07	205.71	75.05	237.16	84.20	241.57	95.93	243.23	92.44	246.11	93.20	249.60	93.63
	46	174.25	66.86	205.71	78.32	237.16	87.87	236.73	100.11	238.37	96.01	238.73	96.33	239.61	96.31
	48	174.25	69.19	205.71	81.05	237.16	90.94	235.04	103.61	235.94	99.37	236.27	100.46	234.62	100.65
	50	174.25	72.01	205.71	84.36	237.16	94.64	234.32	107.83	233.50	103.53	233.81	104.38	232.13	104.68
120%	10	171.42	29.57	202.36	34.64	233.30	38.87	247.53	44.28	269.49	42.67	288.46	43.09	299.95	43.51
	12	171.42	30.11	202.36	35.27	233.30	39.57	247.53	45.08	269.49	43.44	288.46	43.87	297.29	44.30
	14	171.42	30.65	202.36	35.90	233.30	40.28	247.53	45.89	269.49	44.22	285.89	44.66	294.64	45.09
	16	171.42	31.18	202.36	36.53	233.30	40.99	247.53	46.70	269.49	44.99	283.31	45.44	291.99	45.89
	18	171.42	31.72	202.36	37.16	233.30	41.69	247.53	47.50	269.49	45.77	280.74	46.22	289.33	46.68
	19	171.42	32.26	202.36	37.79	233.30	42.40	247.53	48.31	269.49	46.55	278.16	47.01	286.68	47.47
	21	171.42	32.80	202.36	38.42	233.30	43.11	247.53	49.11	269.49	47.32	275.59	47.79	284.02	48.26
	23	171.42	33.34	202.36	39.05	233.30	43.81	247.53	49.92	269.49	48.10	273.01	48.57	281.37	49.05
	25	171.42	34.41	202.36	40.31	233.30	45.23	247.53	51.53	266.98	49.65	270.44	50.14	278.71	50.63
	27	171.42	34.95	202.36	40.94	233.30	45.93	247.53	52.33	264.46	50.43	267.86	50.92	276.06	51.42
	29	171.42	43.01	202.36	50.39	233.30	56.53	247.53	64.41	261.94	62.06	265.28	62.68	273.40	63.29
	31	171.42	48.39	202.36	56.69	233.30	63.60	247.53	72.46	259.42	69.82	262.71	70.51	270.75	71.20
	33	171.42	51.08	202.36	59.83	233.30	67.13	247.53	76.48	254.38	73.70	260.13	74.43	268.10	75.16
	35	171.42	53.77	202.36	62.98	233.30	70.66	247.53	80.51	251.86	77.58	257.56	78.35	265.44	79.11
	37	171.42	56.11	202.36	65.73	233.30	73.75	242.58	84.02	246.83	80.57	249.83	80.98	254.82	81.38
	39	171.42	58.07	202.36	68.02	233.30	76.32	240.85	86.95	244.31	83.40	247.25	84.46	249.51	85.05
	41	171.42	60.43	202.36	70.79	233.30	79.43	240.11	90.49	241.79	86.89	244.68	87.75	246.86	88.45
	43	171.42	63.44	202.36	74.32	233.30	83.38	237.63	95.00	239.27	91.54	242.10	92.29	245.53	92.72
	46	171.42	66.21	202.36	77.56	233.30	87.02	232.88	99.14	234.49	95.07	234.84	95.39	235.71	95.37
	48	171.42	68.52	202.36	80.27	233.30	90.05	231.21	102.60	232.09	98.41	232.42	99.49	230.80	99.67
	50	171.42	71.31	202.36	83.54	233.30	93.72	230.50	106.78	229.70	102.53	230.00	103.37	228.35	103.66
110%	10	168.58	28.87	199.01	33.82	229.44	37.94	243.43	43.23	265.03	41.65	283.69	42.06	294.98	42.48
	12	168.58	29.39	199.01	34.43	229.44	38.63	243.43	44.01	265.03	42.41	283.69	42.83	292.37	43.25
	14	168.58	29.92	199.01	35.05	229.44	39.32	243.43	44.80	265.03	43.17	281.16	43.59	289.76	44.02
	16	168.58	30.44	199.01	35.66	229.44	40.01	243.43	45.58	265.03	43.92	278.62	44.36	287.15	44.79
	18	168.58	30.97	199.01	36.28	229.44	40.70	243.43	46.37	265.03	44.68	276.09	45.12	284.54	45.57
	19	168.58	31.49	199.01	36.89	229.44	41.39	243.43	47.16	265.03	45.44	273.56	45.89	281.93	46.34
	21	168.58	32.02	199.01	37.51	229.44	42.08	243.43	47.94	265.03	46.20	271.02	46.65	279.32	47.11
	23	168.58	32.54	199.01	38.12	229.44	42.77	243.43	48.73	265.03	46.95	268.49	47.42	276.71	47.88
	25	168.58	33.59	199.01	39.35	229.44	44.15	243.43	50.30	262.56	48.47	265.96	48.95	274.10	49.43
	27	168.58	34.12	199.01	39.96	229.44	44.84	243.43	51.08	260.08	49.22	263.42	49.71	271.49	50.20
	29	168.58	41.99	199.01	49.19	229.44	55.19	243.43	62.87	257.60	60.58	260.89	61.18	268.88	61.78
	31	168.58	47.24	199.01	55.34	229.44	62.08	243.43	70.73	255.12	68.16	258.36	68.83	266.27	69.51
	33	168.58	49.86	199.01	58.41	229.44	65.53	243.43	74.66	250.17	71.94	255.83	72.66	263.66	73.37
	35	168.58	52.49	199.01	61.48	229.44	68.98	243.43	78.59	247.69	75.73	253.29	76.48	261.05	77.23
	37	168.58	54.77	199.01	64.16	229.44	71.99	238.57	82.02	242.74	78.65	245.69	79.05	250.60	79.44
	39	168.58	56.69	199.01	66.40	229.44	74.50	236.86	84.88	240.26	81.41	243.16	82.45	245.38	83.02
	41	168.58	58.99	199.01	69.11	229.44	77.54	236.13	88.34	237.79	84.82	240.63	85.66	242.77	86.34
	43	168.58	61.93	199.01	72.55	229.44	81.40	233.70	92.74	235.31	89.36	238.10	90.09	241.47	90.51
	46	168.58	64.63	199.01	75.71	229.44	84.95	229.02	96.78	230.60	92.81	230.95	93.12	231.81	93.10
	48	168.58	66.89	199.01	78.36	229.44	87.91	227.39	100.16	228.25	96.06	228.57	97.12	226.98	97.30
	50	168.58	69.61	199.01	81.55	229.44	91.49	226.69	104.24	225.90	100.08	226.19	100.90	224.57	101.19

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	158.93	27.34	187.62	32.02	216.30	35.93	229.50	39.05	249.86	39.44	267.45	39.83	278.10	40.22
	12	158.93	27.83	187.62	32.60	216.30	36.58	229.50	39.76	249.86	40.16	267.45	40.56	275.64	40.95
	14	158.93	28.33	187.62	33.19	216.30	37.23	229.50	40.47	249.86	40.87	265.06	41.28	273.18	41.68
	16	158.93	28.83	187.62	33.77	216.30	37.89	229.50	41.18	249.86	41.59	262.67	42.00	270.71	42.42
	18	158.93	29.32	187.62	34.35	216.30	38.54	229.50	41.89	249.86	42.31	260.29	42.73	268.25	43.15
	19	158.93	29.82	187.62	34.93	216.30	39.19	229.50	42.60	249.86	43.03	257.90	43.45	265.79	43.88
	21	158.93	30.32	187.62	35.51	216.30	39.85	229.50	43.31	249.86	43.74	255.51	44.18	263.33	44.61
	23	158.93	30.81	187.62	36.10	216.30	40.50	229.50	44.02	249.86	44.46	253.12	44.90	260.87	45.34
	25	158.93	31.81	187.62	37.26	216.30	41.80	229.50	45.44	247.53	45.89	250.73	46.35	258.41	46.80
	27	158.93	32.31	187.62	37.84	216.30	42.46	229.50	46.15	245.19	46.61	248.35	47.07	255.95	47.53
	29	158.93	39.76	187.62	46.58	216.30	52.26	229.50	56.80	242.86	57.37	245.96	57.94	253.49	58.50
	31	158.93	44.73	187.62	52.40	216.30	58.79	229.50	63.90	240.52	64.54	243.57	65.18	251.03	65.82
	33	158.93	47.22	187.62	55.31	216.30	62.05	229.50	67.45	235.85	68.12	241.18	68.80	248.57	69.47
	35	158.93	49.70	187.62	58.22	216.30	65.32	229.50	71.00	233.52	71.71	238.79	72.42	246.10	73.13
	37	158.93	51.87	187.62	60.76	216.30	68.17	224.91	74.10	228.85	74.48	231.63	74.85	236.26	75.22
	39	158.93	53.68	187.62	62.88	216.30	70.55	223.30	76.68	226.51	77.09	229.24	78.07	231.34	78.61
	41	158.93	55.86	187.62	65.44	216.30	73.42	222.62	79.80	224.18	80.32	226.86	81.11	228.88	81.76
	43	158.93	58.65	187.62	68.70	216.30	77.08	220.32	83.78	221.84	84.62	224.47	85.31	227.65	85.71
	46	158.93	61.20	187.62	71.69	216.30	80.44	215.91	87.43	217.40	87.88	217.73	88.18	218.54	88.16
	48	158.93	63.34	187.62	74.20	216.30	83.24	214.37	90.48	215.19	90.96	215.49	91.96	213.99	92.14
	50	158.93	65.92	187.62	77.22	216.30	86.64	213.71	94.17	212.97	94.77	213.24	95.55	211.71	95.82
90%	10	143.04	22.94	168.85	26.88	194.67	30.16	206.55	34.36	224.88	33.11	240.71	33.43	250.29	33.76
	12	143.04	23.36	168.85	27.37	194.67	30.70	206.55	34.98	224.88	33.71	240.71	34.04	248.07	34.38
	14	143.04	23.78	168.85	27.86	194.67	31.25	206.55	35.61	224.88	34.31	238.56	34.65	245.86	34.99
	16	143.04	24.20	168.85	28.34	194.67	31.80	206.55	36.23	224.88	34.91	236.41	35.26	243.64	35.60
	18	143.04	24.61	168.85	28.83	194.67	32.35	206.55	36.86	224.88	35.51	234.26	35.87	241.43	36.22
	19	143.04	25.03	168.85	29.32	194.67	32.90	206.55	37.48	224.88	36.12	232.11	36.47	239.21	36.83
	21	143.04	25.45	168.85	29.81	194.67	33.45	206.55	38.11	224.88	36.72	229.96	37.08	237.00	37.44
	23	143.04	25.87	168.85	30.30	194.67	33.99	206.55	38.73	224.88	37.32	227.81	37.69	234.78	38.06
	25	143.04	26.70	168.85	31.28	194.67	35.09	206.55	39.98	222.77	38.52	225.66	38.90	232.57	39.29
	27	143.04	27.12	168.85	31.77	194.67	35.64	206.55	40.60	220.67	39.13	223.51	39.51	230.35	39.90
	29	143.04	33.37	168.85	39.10	194.67	43.86	206.55	49.97	218.57	48.15	221.36	48.63	228.14	49.11
	31	143.04	37.55	168.85	43.98	194.67	49.35	206.55	56.22	216.47	54.17	219.21	54.71	225.92	55.25
	33	143.04	39.63	168.85	46.43	194.67	52.09	206.55	59.34	212.27	57.18	217.06	57.75	223.71	58.32
	35	143.04	41.72	168.85	48.87	194.67	54.83	206.55	62.47	210.16	60.19	214.92	60.79	221.49	61.38
	37	143.04	43.54	168.85	51.00	194.67	57.22	202.42	65.19	205.96	62.52	208.47	62.83	212.63	63.14
	39	143.04	45.06	168.85	52.78	194.67	59.22	200.97	67.47	203.86	64.71	206.32	65.53	208.20	65.99
	41	143.04	46.89	168.85	54.93	194.67	61.63	200.35	70.21	201.76	67.42	204.17	68.08	205.99	68.63
	43	143.04	49.23	168.85	57.67	194.67	64.70	198.29	73.71	199.66	71.03	202.02	71.61	204.88	71.94
	46	143.04	51.37	168.85	60.18	194.67	67.52	194.32	76.93	195.66	73.77	195.96	74.02	196.69	74.00
	48	143.04	53.17	168.85	62.28	194.67	69.87	192.93	79.61	193.67	76.35	193.94	77.19	192.59	77.34
	50	143.04	55.33	168.85	64.82	194.67	72.72	192.34	82.85	191.67	79.55	191.92	80.20	190.54	80.43
80%	10	127.14	18.80	150.09	22.03	173.04	24.71	183.60	28.16	199.89	27.13	213.96	27.40	222.48	27.67
	12	127.14	19.15	150.09	22.43	173.04	25.16	183.60	28.67	199.89	27.62	213.96	27.90	220.51	28.17
	14	127.14	19.49	150.09	22.83	173.04	25.61	183.60	29.18	199.89	28.12	212.05	28.40	218.54	28.67
	16	127.14	19.83	150.09	23.23	173.04	26.06	183.60	29.69	199.89	28.61	210.14	28.89	216.57	29.18
	18	127.14	20.17	150.09	23.63	173.04	26.51	183.60	30.20	199.89	29.10	208.23	29.39	214.60	29.68
	19	127.14	20.51	150.09	24.03	173.04	26.96	183.60	30.72	199.89	29.60	206.32	29.89	212.63	30.18
	21	127.14	20.85	150.09	24.43	173.04	27.41	183.60	31.23	199.89	30.09	204.41	30.39	210.67	30.69
	23	127.14	21.20	150.09	24.83	173.04	27.86	183.60	31.74	199.89	30.58	202.50	30.89	208.70	31.19
	25	127.14	21.88	150.09	25.63	173.04	28.76	183.60	32.76	198.02	31.57	200.59	31.88	206.73	32.19
	27	127.14	22.22	150.09	26.03	173.04	29.21	183.60	33.27	196.15	32.06	198.68	32.38	204.76	32.70
	29	127.14	27.35	150.09	32.04	173.04	35.95	183.60	40.95	194.29	39.46	196.77	39.85	202.79	40.24
	31	127.14	30.77	150.09	36.04	173.04	40.44	183.60	46.07	192.42	44.40	194.86	44.83	200.82	45.27
	33	127.14	32.48	150.09	38.05	173.04	42.69	183.60	48.63	188.68	46.86	192.95	47.33	198.85	47.79
	35	127.14	34.19	150.09	40.05	173.04	44.93	183.60	51.19	186.81	49.33	191.04	49.82	196.88	50.30
	37	127.14	35.68	150.09	41.79	173.04	46.89	179.93	53.42	183.08	51.23	185.30	51.49	189.01	51.74
	39	127.14	36.92	150.09	43.25	173.04	48.53	178.64	55.29	181.21	53.03	183.39	53.70	185.07	54.08
	41	127.14	38.43	150.09	45.01	173.04	50.50	178.09	57.54	179.34	55.25	181.48	55.79	183.10	56.24
	43	127.14	40.34	150.09	47.26	173.04	53.02	176.26	60.41	177.47	58.21	179.57	58.68	182.12	58.96
	46	127.14	42.10	150.09	49.32	173.04	55.33	172.73	63.04	173.92	60.45	174.19	60.66	174.83	60.64
	48	127.14	43.57	150.09	51.04	173.04	57.26	171.50	65.24	172.15	62.57	172.39	63.26	171.19	63.38
	50	127.14	45.34	150.09	53.12	173.04	59.59	170.97	67.90	170.37	65.19	170.59	65.73	169.37	65.91

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	111.25	14.95	131.33	17.51	151.41	19.65	160.65	22.39	174.90	21.57	187.22	21.79	194.67	22.00
	12	111.25	15.22	131.33	17.83	151.41	20.01	160.65	22.80	174.90	21.96	187.22	22.18	192.95	22.40
	14	111.25	15.50	131.33	18.15	151.41	20.36	160.65	23.20	174.90	22.36	185.54	22.58	191.22	22.80
	16	111.25	15.77	131.33	18.47	151.41	20.72	160.65	23.61	174.90	22.75	183.87	22.97	189.50	23.20
	18	111.25	16.04	131.33	18.79	151.41	21.08	160.65	24.02	174.90	23.14	182.20	23.37	187.78	23.60
	19	111.25	16.31	131.33	19.11	151.41	21.44	160.65	24.42	174.90	23.53	180.53	23.77	186.05	24.00
	21	111.25	16.58	131.33	19.43	151.41	21.79	160.65	24.83	174.90	23.93	178.86	24.16	184.33	24.40
	23	111.25	16.85	131.33	19.74	151.41	22.15	160.65	25.24	174.90	24.32	177.19	24.56	182.61	24.80
	25	111.25	17.40	131.33	20.38	151.41	22.87	160.65	26.05	173.27	25.10	175.51	25.35	180.89	25.60
	27	111.25	17.67	131.33	20.70	151.41	23.22	160.65	26.46	171.63	25.50	173.84	25.75	179.16	26.00
	29	111.25	21.75	131.33	25.48	151.41	28.58	160.65	32.56	170.00	31.38	172.17	31.69	177.44	32.00
	31	111.25	24.47	131.33	28.66	151.41	32.16	160.65	36.63	168.37	35.30	170.50	35.65	175.72	36.00
	33	111.25	25.83	131.33	30.25	151.41	33.94	160.65	38.67	165.10	37.26	168.83	37.63	174.00	38.00
	35	111.25	27.18	131.33	31.84	151.41	35.73	160.65	40.71	163.46	39.22	167.16	39.61	172.27	40.00
	37	111.25	28.37	131.33	33.23	151.41	37.29	157.44	42.48	160.19	40.74	162.14	40.94	165.38	41.14
	39	111.25	29.36	131.33	34.39	151.41	38.59	156.31	43.96	158.56	42.16	160.47	42.70	161.94	43.00
	41	111.25	30.56	131.33	35.79	151.41	40.16	155.83	45.75	156.92	43.93	158.80	44.36	160.21	44.72
	43	111.25	32.08	131.33	37.58	151.41	42.16	154.22	48.03	155.29	46.28	157.13	46.66	159.35	46.88
	46	111.25	33.48	131.33	39.21	151.41	44.00	151.14	50.13	152.18	48.07	152.41	48.23	152.98	48.22
	48	111.25	34.64	131.33	40.58	151.41	45.53	150.06	51.88	150.63	49.75	150.84	50.30	149.79	50.40
	50	111.25	36.06	131.33	42.24	151.41	47.39	149.60	53.99	149.08	51.84	149.27	52.26	148.20	52.41
60%	10	95.36	11.35	112.57	13.29	129.78	14.91	137.70	16.99	149.92	16.37	160.47	16.54	166.86	16.70
	12	95.36	11.55	112.57	13.54	129.78	15.19	137.70	17.30	149.92	16.67	160.47	16.84	165.38	17.00
	14	95.36	11.76	112.57	13.78	129.78	15.46	137.70	17.61	149.92	16.97	159.04	17.14	163.91	17.31
	16	95.36	11.97	112.57	14.02	129.78	15.73	137.70	17.92	149.92	17.27	157.60	17.44	162.43	17.61
	18	95.36	12.17	112.57	14.26	129.78	16.00	137.70	18.23	149.92	17.56	156.17	17.74	160.95	17.91
	19	95.36	12.38	112.57	14.50	129.78	16.27	137.70	18.54	149.92	17.86	154.74	18.04	159.48	18.22
	21	95.36	12.59	112.57	14.74	129.78	16.54	137.70	18.85	149.92	18.16	153.31	18.34	158.00	18.52
	23	95.36	12.79	112.57	14.99	129.78	16.81	137.70	19.16	149.92	18.46	151.87	18.64	156.52	18.82
	25	95.36	13.21	112.57	15.47	129.78	17.36	137.70	19.77	148.52	19.05	150.44	19.24	155.05	19.43
	27	95.36	13.41	112.57	15.71	129.78	17.63	137.70	20.08	147.12	19.35	149.01	19.54	153.57	19.73
	29	95.36	16.51	112.57	19.34	129.78	21.69	137.70	24.72	145.71	23.82	147.58	24.05	152.09	24.29
	31	95.36	18.57	112.57	21.75	129.78	24.41	137.70	27.81	144.31	26.79	146.14	27.06	150.62	27.32
	33	95.36	19.60	112.57	22.96	129.78	25.76	137.70	29.35	141.51	28.28	144.71	28.56	149.14	28.84
	35	95.36	20.63	112.57	24.17	129.78	27.12	137.70	30.90	140.11	29.77	143.28	30.07	147.66	30.36
	37	95.36	21.53	112.57	25.22	129.78	28.30	134.95	32.24	137.31	30.92	138.98	31.08	141.76	31.23
	39	95.36	22.28	112.57	26.10	129.78	29.29	133.98	33.37	135.91	32.00	137.55	32.41	138.80	32.64
	41	95.36	23.19	112.57	27.17	129.78	30.48	133.57	34.73	134.51	33.34	136.11	33.67	137.33	33.94
	43	95.36	24.35	112.57	28.52	129.78	32.00	132.19	36.46	133.10	35.13	134.68	35.42	136.59	35.58
	46	95.36	25.41	112.57	29.76	129.78	33.39	129.55	38.05	130.44	36.49	130.64	36.61	131.12	36.60
	48	95.36	26.29	112.57	30.80	129.78	34.56	128.62	39.37	129.11	37.76	129.29	38.18	128.39	38.25
	50	95.36	27.37	112.57	32.06	129.78	35.97	128.23	40.98	127.78	39.34	127.95	39.67	127.03	39.78
50%	10	79.46	7.99	93.81	9.36	108.15	10.51	114.75	11.97	124.93	11.53	133.73	11.65	139.05	11.76
	12	79.46	8.14	93.81	9.53	108.15	10.70	114.75	12.19	124.93	11.74	133.73	11.86	137.82	11.98
	14	79.46	8.28	93.81	9.70	108.15	10.89	114.75	12.40	124.93	11.95	132.53	12.07	136.59	12.19
	16	79.46	8.43	93.81	9.87	108.15	11.08	114.75	12.62	124.93	12.16	131.34	12.28	135.36	12.40
	18	79.46	8.57	93.81	10.04	108.15	11.27	114.75	12.84	124.93	12.37	130.14	12.49	134.13	12.62
	19	79.46	8.72	93.81	10.21	108.15	11.46	114.75	13.06	124.93	12.58	128.95	12.71	132.90	12.83
	21	79.46	8.87	93.81	10.39	108.15	11.65	114.75	13.27	124.93	12.79	127.76	12.92	131.67	13.04
	23	79.46	9.01	93.81	10.56	108.15	11.84	114.75	13.49	124.93	13.00	126.56	13.13	130.44	13.26
	25	79.46	9.30	93.81	10.90	108.15	12.22	114.75	13.93	123.76	13.42	125.37	13.55	129.20	13.69
	27	79.46	9.45	93.81	11.07	108.15	12.42	114.75	14.15	122.60	13.63	124.17	13.77	127.97	13.90
	29	79.46	11.63	93.81	13.62	108.15	15.28	114.75	17.41	121.43	16.78	122.98	16.94	126.74	17.11
	31	79.46	13.08	93.81	15.32	108.15	17.19	114.75	19.59	120.26	18.87	121.79	19.06	125.51	19.25
	33	79.46	13.81	93.81	16.17	108.15	18.15	114.75	20.67	117.93	19.92	120.59	20.12	124.28	20.32
	35	79.46	14.53	93.81	17.02	108.15	19.10	114.75	21.76	116.76	20.97	119.40	21.18	123.05	21.38
	37	79.46	15.17	93.81	17.77	108.15	19.93	112.46	22.71	114.42	21.78	115.82	21.89	118.13	22.00
	39	79.46	15.70	93.81	18.39	108.15	20.63	111.65	23.50	113.26	22.54	114.62	22.83	115.67	22.99
	41	79.46	16.34	93.81	19.14	108.15	21.47	111.31	24.46	112.09	23.49	113.43	23.72	114.44	23.91
	43	79.46	17.15	93.81	20.09	108.15	22.54	110.16	25.68	110.92	24.74	112.23	24.95	113.82	25.06
	46	79.46	17.90	93.81	20.97	108.15	23.52	107.96	26.80	108.70	25.70	108.87	25.79	109.27	25.78
	48	79.46	18.52	93.81	21.70	108.15	24.34	107.19	27.73	107.59	26.60	107.74	26.89	106.99	26.94
	50	79.46	19.28	93.81	22.58	108.15	25.33	106.86	28.86	106.48	27.71	106.62	27.94	105.86	28.02

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	63.57	6.34	75.05	7.42	86.52	8.33	91.80	9.49	99.94	9.14	106.98	9.23	111.24	9.32
	12	63.57	6.45	75.05	7.56	86.52	8.48	91.80	9.66	99.94	9.31	106.98	9.40	110.25	9.49
	14	63.57	6.57	75.05	7.69	86.52	8.63	91.80	9.83	99.94	9.48	106.02	9.57	109.27	9.66
	16	63.57	6.68	75.05	7.83	86.52	8.78	91.80	10.01	99.94	9.64	105.07	9.74	108.29	9.83
	18	63.57	6.80	75.05	7.96	86.52	8.93	91.80	10.18	99.94	9.81	104.11	9.91	107.30	10.00
	19	63.57	6.91	75.05	8.10	86.52	9.09	91.80	10.35	99.94	9.97	103.16	10.07	106.32	10.17
	21	63.57	7.03	75.05	8.23	86.52	9.24	91.80	10.52	99.94	10.14	102.20	10.24	105.33	10.34
	23	63.57	7.14	75.05	8.37	86.52	9.39	91.80	10.70	99.94	10.31	101.25	10.41	104.35	10.51
	25	63.57	7.37	75.05	8.64	86.52	9.69	91.80	11.04	99.01	10.64	100.29	10.74	103.36	10.85
	27	63.57	7.49	75.05	8.77	86.52	9.84	91.80	11.21	98.08	10.81	99.34	10.91	102.38	11.02
	29	63.57	9.22	75.05	10.80	86.52	12.11	91.80	13.80	97.14	13.30	98.38	13.43	101.39	13.56
	31	63.57	10.37	75.05	12.15	86.52	13.63	91.80	15.53	96.21	14.96	97.43	15.11	100.41	15.26
	33	63.57	10.95	75.05	12.82	86.52	14.39	91.80	16.39	94.34	15.79	96.47	15.95	99.43	16.11
	35	63.57	11.52	75.05	13.50	86.52	15.14	91.80	17.25	93.41	16.62	95.52	16.79	98.44	16.95
	37	63.57	12.02	75.05	14.08	86.52	15.80	89.96	18.00	91.54	17.27	92.65	17.35	94.50	17.44
	39	63.57	12.44	75.05	14.58	86.52	16.35	89.32	18.63	90.60	17.87	91.70	18.10	92.54	18.22
	41	63.57	12.95	75.05	15.17	86.52	17.02	89.05	19.39	89.67	18.62	90.74	18.80	91.55	18.95
	43	63.57	13.60	75.05	15.93	86.52	17.87	88.13	20.36	88.74	19.62	89.79	19.78	91.06	19.87
	46	63.57	14.19	75.05	16.62	86.52	18.65	86.37	21.24	86.96	20.37	87.09	20.44	87.42	20.44
	48	63.57	14.68	75.05	17.20	86.52	19.30	85.75	21.99	86.07	21.09	86.20	21.32	85.60	21.36
	50	63.57	15.28	75.05	17.90	86.52	20.08	85.48	22.88	85.19	21.97	85.30	22.15	84.68	22.21
30%	10	47.68	5.80	56.28	6.79	64.89	7.62	68.85	8.68	74.96	8.37	80.24	8.45	83.43	8.53
	12	47.68	5.90	56.28	6.92	64.89	7.76	68.85	8.84	74.96	8.52	80.24	8.60	82.69	8.69
	14	47.68	6.01	56.28	7.04	64.89	7.90	68.85	9.00	74.96	8.67	79.52	8.76	81.95	8.84
	16	47.68	6.11	56.28	7.16	64.89	8.04	68.85	9.16	74.96	8.82	78.80	8.91	81.21	9.00
	18	47.68	6.22	56.28	7.29	64.89	8.17	68.85	9.31	74.96	8.97	78.09	9.06	80.48	9.15
	19	47.68	6.33	56.28	7.41	64.89	8.31	68.85	9.47	74.96	9.13	77.37	9.22	79.74	9.31
	21	47.68	6.43	56.28	7.53	64.89	8.45	68.85	9.63	74.96	9.28	76.65	9.37	79.00	9.46
	23	47.68	6.54	56.28	7.66	64.89	8.59	68.85	9.79	74.96	9.43	75.94	9.52	78.26	9.62
	25	47.68	6.75	56.28	7.90	64.89	8.87	68.85	10.10	74.26	9.74	75.22	9.83	77.52	9.93
	27	47.68	6.85	56.28	8.03	64.89	9.01	68.85	10.26	73.56	9.89	74.50	9.99	76.78	10.08
	29	47.68	8.43	56.28	9.88	64.89	11.08	68.85	12.63	72.86	12.17	73.79	12.29	76.05	12.41
	31	47.68	9.49	56.28	11.11	64.89	12.47	68.85	14.21	72.16	13.69	73.07	13.83	75.31	13.96
	33	47.68	10.02	56.28	11.73	64.89	13.16	68.85	15.00	70.76	14.45	72.35	14.59	74.57	14.74
	35	47.68	10.54	56.28	12.35	64.89	13.86	68.85	15.79	70.05	15.21	71.64	15.36	73.83	15.51
	37	47.68	11.00	56.28	12.89	64.89	14.46	67.47	16.47	68.65	15.80	69.49	15.88	70.88	15.96
	39	47.68	11.39	56.28	13.34	64.89	14.96	66.99	17.05	67.95	16.35	68.77	16.56	69.40	16.68
	41	47.68	11.85	56.28	13.88	64.89	15.57	66.78	17.74	67.25	17.04	68.06	17.21	68.66	17.34
	43	47.68	12.44	56.28	14.57	64.89	16.35	66.10	18.63	66.55	17.95	67.34	18.10	68.29	18.18
	46	47.68	12.98	56.28	15.21	64.89	17.06	64.77	19.44	65.22	18.64	65.32	18.70	65.56	18.70
	48	47.68	13.44	56.28	15.74	64.89	17.66	64.31	20.12	64.56	19.30	64.65	19.51	64.20	19.54
	50	47.68	13.98	56.28	16.38	64.89	18.38	64.11	20.94	63.89	20.10	63.97	20.27	63.51	20.33
20%	10	31.79	3.35	37.52	3.93	43.26	4.41	45.90	5.02	49.97	4.84	53.49	4.89	55.62	4.94
	12	31.79	3.42	37.52	4.00	43.26	4.49	45.90	5.11	49.97	4.93	53.49	4.98	55.13	5.03
	14	31.79	3.48	37.52	4.07	43.26	4.57	45.90	5.21	49.97	5.02	53.01	5.07	54.64	5.12
	16	31.79	3.54	37.52	4.14	43.26	4.65	45.90	5.30	49.97	5.10	52.53	5.15	54.14	5.21
	18	31.79	3.60	37.52	4.22	43.26	4.73	45.90	5.39	49.97	5.19	52.06	5.24	53.65	5.30
	19	31.79	3.66	37.52	4.29	43.26	4.81	45.90	5.48	49.97	5.28	51.58	5.33	53.16	5.39
	21	31.79	3.72	37.52	4.36	43.26	4.89	45.90	5.57	49.97	5.37	51.10	5.42	52.67	5.47
	23	31.79	3.78	37.52	4.43	43.26	4.97	45.90	5.66	49.97	5.46	50.62	5.51	52.17	5.56
	25	31.79	3.90	37.52	4.57	43.26	5.13	45.90	5.85	49.51	5.63	50.15	5.69	51.68	5.74
	27	31.79	3.96	37.52	4.64	43.26	5.21	45.90	5.94	49.04	5.72	49.67	5.78	51.19	5.83
	29	31.79	4.88	37.52	5.72	43.26	6.41	45.90	7.31	48.57	7.04	49.19	7.11	50.70	7.18
	31	31.79	5.49	37.52	6.43	43.26	7.21	45.90	8.22	48.10	7.92	48.71	8.00	50.21	8.08
	33	31.79	5.79	37.52	6.79	43.26	7.62	45.90	8.68	47.17	8.36	48.24	8.44	49.71	8.53
	35	31.79	6.10	37.52	7.15	43.26	8.02	45.90	9.13	46.70	8.80	47.76	8.89	49.22	8.98
	37	31.79	6.37	37.52	7.46	43.26	8.37	44.98	9.53	45.77	9.14	46.33	9.19	47.25	9.23
	39	31.79	6.59	37.52	7.72	43.26	8.66	44.66	9.86	45.30	9.46	45.85	9.58	46.27	9.65
	41	31.79	6.86	37.52	8.03	43.26	9.01	44.52	10.27	44.84	9.86	45.37	9.95	45.78	10.03
	43	31.79	7.20	37.52	8.43	43.26	9.46	44.06	10.78	44.37	10.38	44.89	10.47	45.53	10.52
	46	31.79	7.51	37.52	8.80	43.26	9.87	43.18	11.25	43.48	10.79	43.55	10.82	43.71	10.82
	48	31.79	7.77	37.52	9.11	43.26	10.22	42.87	11.64	43.04	11.16	43.10	11.29	42.80	11.31
	50	31.79	8.09	37.52	9.48	43.26	10.63	42.74	12.11	42.59	11.63	42.65	11.73	42.34	11.76

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR840ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	178.43	31.04	210.64	36.36	242.85	40.79	257.66	46.14	280.52	44.78	300.27	45.23	312.22	45.67
	12	178.43	31.60	210.64	37.02	242.85	41.54	257.66	46.98	280.52	45.60	300.27	46.05	309.46	46.50
	14	178.43	32.17	210.64	37.68	242.85	42.28	257.66	47.82	280.52	46.41	297.59	46.87	306.70	47.33
	16	178.43	32.73	210.64	38.34	242.85	43.02	257.66	48.66	280.52	47.23	294.91	47.70	303.93	48.16
	18	178.43	33.30	210.64	39.00	242.85	43.76	257.66	49.50	280.52	48.04	292.22	48.52	301.17	48.99
	19	178.43	33.86	210.64	39.67	235.56	44.50	257.66	50.34	280.52	48.86	289.54	49.34	298.41	49.82
	21	178.43	34.43	210.64	40.33	242.85	45.24	257.66	51.18	280.52	49.67	286.86	50.16	295.64	50.65
	23	178.43	34.99	210.64	40.99	242.85	45.99	257.66	52.01	280.52	50.48	284.18	50.98	292.88	51.48
	25	178.43	36.12	210.64	42.31	242.85	47.47	257.66	53.69	277.90	52.11	281.50	52.63	290.12	53.15
	27	178.43	36.68	210.64	42.97	242.85	48.21	257.66	54.53	275.28	52.93	278.82	53.45	287.35	53.98
	29	178.43	45.15	210.64	52.89	242.85	59.34	257.66	67.12	272.66	65.14	276.14	65.79	284.59	66.43
	31	178.43	50.79	210.64	59.50	242.85	66.75	257.66	75.50	270.03	73.28	273.46	74.01	281.83	74.74
	33	178.43	53.61	210.64	62.80	242.85	70.46	257.66	79.70	264.79	77.36	270.78	78.12	279.07	78.89
	35	178.43	56.43	210.64	66.11	242.85	74.17	257.66	83.89	262.17	81.43	268.10	82.23	276.30	83.04
	37	178.43	58.90	210.64	68.99	242.85	77.41	252.51	87.55	256.93	84.57	260.05	85.00	265.25	85.41
	39	178.43	60.95	210.64	71.40	242.85	80.10	250.70	90.61	254.30	87.53	257.37	88.65	259.72	89.27
	41	178.43	63.43	210.64	74.31	242.85	83.37	249.93	94.30	251.68	91.20	254.69	92.10	256.96	92.84
	43	178.43	66.59	210.64	78.01	242.85	87.52	247.35	98.99	249.06	96.08	252.01	96.87	255.58	97.32
	46	178.43	69.50	210.64	81.41	242.85	91.34	242.41	103.31	244.08	99.79	244.45	100.13	245.36	100.11
	48	178.43	71.92	210.64	84.25	242.85	94.52	240.68	106.91	241.59	103.29	241.93	104.43	240.24	104.62
	50	178.43	74.85	210.64	87.68	242.85	98.37	239.93	111.27	239.10	107.61	239.41	108.50	237.69	108.81
120%	10	175.52	30.74	207.21	36.01	238.89	40.40	253.46	45.69	275.95	44.35	295.38	44.79	307.14	45.23
	12	175.52	31.30	207.21	36.66	238.89	41.13	253.46	46.52	275.95	45.16	295.38	45.60	304.42	46.05
	14	175.52	31.86	207.21	37.32	238.89	41.87	253.46	47.36	275.95	45.96	292.74	46.42	301.70	46.87
	16	175.52	32.41	207.21	37.97	238.89	42.60	253.46	48.19	275.95	46.77	290.10	47.23	298.98	47.70
	18	175.52	32.97	207.21	38.63	238.89	43.34	253.46	49.02	275.95	47.58	287.47	48.05	296.26	48.52
	19	175.52	33.53	207.21	39.28	238.89	44.07	253.46	49.85	275.95	48.38	284.83	48.86	293.55	49.34
	21	175.52	34.09	207.21	39.94	238.89	44.81	253.46	50.68	275.95	49.19	282.19	49.68	290.83	50.16
	23	175.52	34.65	207.21	40.59	238.89	45.54	253.46	51.51	275.95	49.99	279.55	50.49	288.11	50.98
	25	175.52	35.77	207.21	41.90	238.89	47.01	253.46	53.17	273.37	51.61	276.92	52.12	285.39	52.63
	27	175.52	36.33	207.21	42.55	238.89	47.74	253.46	54.00	270.79	52.41	274.28	52.93	282.67	53.45
	29	175.52	44.71	207.21	52.37	238.89	58.76	253.46	66.46	268.22	64.51	271.64	65.15	279.96	65.79
	31	175.52	50.30	207.21	58.92	238.89	66.11	253.46	74.77	265.64	72.57	269.00	73.29	277.24	74.01
	33	175.52	53.09	207.21	62.19	238.89	69.78	253.46	78.93	260.48	76.60	266.37	77.36	274.52	78.12
	35	175.52	55.89	207.21	65.47	238.89	73.45	253.46	83.08	257.90	80.64	263.73	81.43	271.80	82.23
	37	175.52	58.32	207.21	68.32	238.89	76.65	248.40	86.70	252.74	83.75	255.82	84.17	260.93	84.59
	39	175.52	60.36	207.21	70.70	238.89	79.33	246.62	89.73	250.16	86.68	253.18	87.79	255.49	88.40
	41	175.52	62.82	207.21	73.59	238.89	82.56	245.86	93.38	247.58	90.31	250.54	91.21	252.78	91.94
	43	175.52	65.95	207.21	77.25	238.89	86.67	243.33	98.03	245.00	95.15	247.91	95.93	251.42	96.38
	46	175.52	68.82	207.21	80.62	238.89	90.45	238.46	102.31	240.10	98.82	240.47	99.15	241.36	99.13
	48	175.52	71.22	207.21	83.43	238.89	93.61	236.76	105.88	237.65	102.29	237.99	103.41	236.33	103.61
	50	175.52	74.12	207.21	86.83	238.89	97.42	236.03	110.19	235.20	106.57	235.51	107.44	233.82	107.75
110%	10	172.62	30.01	203.78	35.15	234.93	39.44	249.27	44.61	271.38	43.29	290.49	43.72	302.05	44.15
	12	172.62	30.55	203.78	35.79	234.93	40.15	249.27	45.42	271.38	44.08	290.49	44.52	299.38	44.95
	14	172.62	31.10	203.78	36.43	234.93	40.87	249.27	46.23	271.38	44.87	287.89	45.31	296.71	45.76
	16	172.62	31.64	203.78	37.07	234.93	41.59	249.27	47.04	271.38	45.66	285.30	46.11	294.03	46.56
	18	172.62	32.19	203.78	37.71	234.93	42.30	249.27	47.85	271.38	46.44	282.71	46.90	291.36	47.36
	19	172.62	32.73	203.78	38.35	234.93	43.02	249.27	48.66	271.38	47.23	280.11	47.70	288.69	48.17
	21	172.62	33.28	203.78	38.98	234.93	43.74	249.27	49.47	271.38	48.02	277.52	48.49	286.01	48.97
	23	172.62	33.82	203.78	39.62	234.93	44.46	249.27	50.28	271.38	48.80	274.92	49.29	283.34	49.77
	25	172.62	34.92	203.78	40.90	234.93	45.89	249.27	51.90	268.85	50.38	272.33	50.88	280.67	51.38
	27	172.62	35.46	203.78	41.54	234.93	46.61	249.27	52.72	266.31	51.17	269.74	51.67	277.99	52.18
	29	172.62	43.64	203.78	51.13	234.93	57.36	249.27	64.88	263.78	62.97	267.14	63.60	275.32	64.22
	31	172.62	49.10	203.78	57.52	234.93	64.53	249.27	72.99	261.24	70.84	264.55	71.55	272.65	72.25
	33	172.62	51.83	203.78	60.71	234.93	68.12	249.27	77.05	256.17	74.78	261.96	75.52	269.98	76.26
	35	172.62	54.56	203.78	63.91	234.93	71.70	249.27	81.10	253.63	78.72	259.36	79.50	267.30	80.28
	37	172.62	56.93	203.78	66.69	234.93	74.83	244.28	84.64	248.56	81.76	251.58	82.17	256.61	82.57
	39	172.62	58.92	203.78	69.02	234.93	77.44	242.54	87.59	246.02	84.62	248.99	85.70	251.26	86.30
	41	172.62	61.32	203.78	71.83	234.93	80.59	241.79	91.16	243.48	88.16	246.40	89.04	248.59	89.75
	43	172.62	64.38	203.78	75.41	234.93	84.61	239.30	95.70	240.95	92.89	243.80	93.65	247.25	94.08
	46	172.62	67.18	203.78	78.70	234.93	88.30	234.51	99.87	236.13	96.47	236.49	96.79	237.36	96.77
	48	172.62	69.53	203.78	81.45	234.93	91.38	232.84	103.36	233.72	99.85	234.05	100.95	232.42	101.14
	50	172.62	72.36	203.78	84.76	234.93	95.10	232.12	107.57	231.31	104.03	231.61	104.88	229.95	105.18

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	162.74	28.41	192.11	33.28	221.49	37.34	235.00	40.59	255.85	41.00	273.86	41.40	284.76	41.81
	12	162.74	28.93	192.11	33.89	221.49	38.02	235.00	41.33	255.85	41.74	273.86	42.15	282.24	42.57
	14	162.74	29.45	192.11	34.49	221.49	38.70	235.00	42.07	255.85	42.49	271.41	42.91	279.72	43.33
	16	162.74	29.96	192.11	35.10	221.49	39.38	235.00	42.80	255.85	43.23	268.97	43.66	277.20	44.09
	18	162.74	30.48	192.11	35.70	221.49	40.06	235.00	43.54	255.85	43.98	266.52	44.41	274.68	44.85
	19	162.74	31.00	192.11	36.31	221.49	40.74	235.00	44.28	255.85	44.72	264.08	45.17	272.16	45.61
	21	162.74	31.51	192.11	36.91	221.49	41.42	235.00	45.02	255.85	45.47	261.63	45.92	269.64	46.37
	23	162.74	32.03	192.11	37.52	221.49	42.10	235.00	45.76	255.85	46.21	259.19	46.67	267.12	47.13
	25	162.74	33.06	192.11	38.73	221.49	43.45	235.00	47.23	253.46	47.70	256.74	48.18	264.60	48.65
	27	162.74	33.58	192.11	39.34	221.49	44.13	235.00	47.97	251.07	48.45	254.30	48.93	262.08	49.41
	29	162.74	41.33	192.11	48.41	221.49	54.32	235.00	59.04	248.68	59.63	251.85	60.22	259.56	60.81
	31	162.74	46.49	192.11	54.46	221.49	61.11	235.00	66.42	246.29	67.08	249.41	67.75	257.04	68.41
	33	162.74	49.08	192.11	57.49	221.49	64.50	235.00	70.11	241.50	70.81	246.96	71.51	254.52	72.21
	35	162.74	51.66	192.11	60.52	221.49	67.90	235.00	73.80	239.11	74.54	244.52	75.28	252.00	76.01
	37	162.74	53.91	192.11	63.15	221.49	70.86	230.30	77.02	234.33	77.42	237.18	77.81	241.92	78.19
	39	162.74	55.79	192.11	65.36	221.49	73.33	228.66	79.70	231.94	80.13	234.74	81.15	236.88	81.72
	41	162.74	58.07	192.11	68.02	221.49	76.32	227.95	82.95	229.55	83.48	232.29	84.31	234.36	84.98
	43	162.74	60.96	192.11	71.41	221.49	80.12	225.60	87.08	227.16	87.95	229.85	88.68	233.10	89.09
	46	162.74	63.62	192.11	74.52	221.49	83.61	221.09	90.88	222.61	91.35	222.95	91.65	223.78	91.64
	48	162.74	65.84	192.11	77.12	221.49	86.53	219.51	94.05	220.34	94.55	220.65	95.59	219.12	95.77
	50	162.74	68.52	192.11	80.26	221.49	90.05	218.83	97.88	218.07	98.51	218.35	99.32	216.78	99.60
90%	10	146.46	23.85	172.90	27.94	199.34	31.35	211.50	35.45	230.27	34.41	246.47	34.75	256.29	35.09
	12	146.46	24.28	172.90	28.45	199.34	31.92	211.50	36.10	230.27	35.04	246.47	35.38	254.02	35.73
	14	146.46	24.72	172.90	28.95	199.34	32.49	211.50	36.74	230.27	35.66	244.27	36.02	251.75	36.37
	16	146.46	25.15	172.90	29.46	199.34	33.06	211.50	37.39	230.27	36.29	242.07	36.65	249.48	37.01
	18	146.46	25.58	172.90	29.97	199.34	33.62	211.50	38.03	230.27	36.91	239.87	37.28	247.21	37.65
	19	146.46	26.02	172.90	30.48	199.34	34.19	211.50	38.68	230.27	37.54	237.67	37.91	244.95	38.28
	21	146.46	26.45	172.90	30.99	199.34	34.76	211.50	39.32	230.27	38.17	235.47	38.54	242.68	38.92
	23	146.46	26.89	172.90	31.49	199.34	35.33	211.50	39.97	230.27	38.79	233.27	39.18	240.41	39.56
	25	146.46	27.75	172.90	32.51	199.34	36.47	211.50	41.26	228.11	40.04	231.07	40.44	238.14	40.84
	27	146.46	28.19	172.90	33.02	199.34	37.04	211.50	41.90	225.96	40.67	228.87	41.07	235.87	41.47
	29	146.46	34.69	172.90	40.64	199.34	45.59	211.50	51.57	223.81	50.05	226.67	50.55	233.61	51.04
	31	146.46	39.03	172.90	45.72	199.34	51.29	211.50	58.02	221.66	56.31	224.47	56.87	231.34	57.43
	33	146.46	41.19	172.90	48.26	199.34	54.14	211.50	61.24	217.35	59.44	222.27	60.03	229.07	60.62
	35	146.46	43.36	172.90	50.80	199.34	56.99	211.50	64.46	215.20	62.57	220.07	63.19	226.80	63.81
	37	146.46	45.25	172.90	53.01	199.34	59.48	207.27	67.27	210.90	64.98	213.46	65.31	217.73	65.63
	39	146.46	46.83	172.90	54.86	199.34	61.55	205.79	69.62	208.75	67.26	211.26	68.11	213.19	68.59
	41	146.46	48.74	172.90	57.10	199.34	64.06	205.16	72.46	206.59	70.07	209.06	70.77	210.93	71.33
	43	146.46	51.17	172.90	59.94	199.34	67.25	203.04	76.07	204.44	73.83	206.86	74.43	209.79	74.78
	46	146.46	53.40	172.90	62.55	199.34	70.18	198.98	79.38	200.35	76.68	200.66	76.93	201.40	76.92
	48	146.46	55.26	172.90	64.74	199.34	72.63	197.56	82.15	198.31	79.37	198.59	80.24	197.20	80.39
	50	146.46	57.51	172.90	67.37	199.34	75.59	196.95	85.50	196.26	82.69	196.52	83.37	195.11	83.60
80%	10	130.19	19.54	153.69	22.90	177.19	25.69	188.00	29.05	204.68	28.20	219.09	28.48	227.81	28.76
	12	130.19	19.90	153.69	23.31	177.19	26.15	188.00	29.58	204.68	28.71	219.09	29.00	225.79	29.28
	14	130.19	20.26	153.69	23.73	177.19	26.62	188.00	30.11	204.68	29.23	217.13	29.52	223.78	29.80
	16	130.19	20.61	153.69	24.14	177.19	27.09	188.00	30.64	204.68	29.74	215.18	30.03	221.76	30.33
	18	130.19	20.97	153.69	24.56	177.19	27.56	188.00	31.17	204.68	30.25	213.22	30.55	219.75	30.85
	19	130.19	21.32	153.69	24.98	177.19	28.02	188.00	31.70	204.68	30.76	211.26	31.07	217.73	31.37
	21	130.19	21.68	153.69	25.39	177.19	28.49	188.00	32.22	204.68	31.28	209.31	31.59	215.71	31.90
	23	130.19	22.03	153.69	25.81	177.19	28.96	188.00	32.75	204.68	31.79	207.35	32.10	213.70	32.42
	25	130.19	22.74	153.69	26.64	177.19	29.89	188.00	33.81	202.77	32.81	205.39	33.14	211.68	33.46
	27	130.19	23.10	153.69	27.06	177.19	30.36	188.00	34.34	200.85	33.33	203.44	33.66	209.67	33.99
	29	130.19	28.43	153.69	33.30	177.19	37.36	188.00	42.26	198.94	41.02	201.48	41.42	207.65	41.83
	31	130.19	31.98	153.69	37.46	177.19	42.03	188.00	47.54	197.03	46.15	199.53	46.60	205.63	47.06
	33	130.19	33.76	153.69	39.55	177.19	44.37	188.00	50.19	193.20	48.71	197.57	49.19	203.62	49.67
	35	130.19	35.54	153.69	41.63	177.19	46.70	188.00	52.83	191.29	51.27	195.61	51.78	201.60	52.29
	37	130.19	37.09	153.69	43.44	177.19	48.74	184.24	55.13	187.46	53.25	189.75	53.52	193.54	53.78
	39	130.19	38.38	153.69	44.96	177.19	50.44	182.92	57.05	185.55	55.12	187.79	55.82	189.51	56.21
	41	130.19	39.94	153.69	46.79	177.19	52.50	182.36	59.38	183.64	57.43	185.83	57.99	187.49	58.46
	43	130.19	41.93	153.69	49.12	177.19	55.11	180.48	62.34	181.73	60.50	183.88	61.00	186.48	61.28
	46	130.19	43.76	153.69	51.26	177.19	57.51	176.87	65.05	178.09	62.84	178.36	63.05	179.02	63.03
	48	130.19	45.29	153.69	53.05	177.19	59.52	175.61	67.32	176.27	65.04	176.52	65.76	175.29	65.88
	50	130.19	47.13	153.69	55.21	177.19	61.94	175.07	70.06	174.46	67.76	174.68	68.32	173.43	68.51

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	113.92	15.54	134.48	18.21	155.04	20.43	164.50	23.10	179.10	22.42	191.70	22.65	199.33	22.87
	12	113.92	15.82	134.48	18.54	155.04	20.80	164.50	23.52	179.10	22.83	191.70	23.06	197.57	23.28
	14	113.92	16.11	134.48	18.87	155.04	21.17	164.50	23.94	179.10	23.24	189.99	23.47	195.81	23.70
	16	113.92	16.39	134.48	19.20	155.04	21.54	164.50	24.36	179.10	23.65	188.28	23.88	194.04	24.11
	18	113.92	16.67	134.48	19.53	155.04	21.91	164.50	24.78	179.10	24.05	186.57	24.29	192.28	24.53
	19	113.92	16.95	134.48	19.86	155.04	22.28	164.50	25.20	179.10	24.46	184.86	24.70	190.51	24.95
	21	113.92	17.24	134.48	20.19	155.04	22.65	164.50	25.62	179.10	24.87	183.14	25.12	188.75	25.36
	23	113.92	17.52	134.48	20.52	155.04	23.02	164.50	26.04	179.10	25.28	181.43	25.53	186.99	25.78
	25	113.92	18.08	134.48	21.18	155.04	23.77	164.50	26.88	177.42	26.09	179.72	26.35	185.22	26.61
	27	113.92	18.37	134.48	21.52	155.04	24.14	164.50	27.30	175.75	26.50	178.01	26.76	183.46	27.03
	29	113.92	22.61	134.48	26.48	155.04	29.71	164.50	33.60	174.07	32.62	176.30	32.94	181.69	33.26
	31	113.92	25.43	134.48	29.79	155.04	33.42	164.50	37.80	172.40	36.69	174.59	37.06	179.93	37.42
	33	113.92	26.84	134.48	31.45	155.04	35.28	164.50	39.90	169.05	38.73	172.87	39.12	178.17	39.50
	35	113.92	28.26	134.48	33.10	155.04	37.14	164.50	42.01	167.38	40.77	171.16	41.17	176.40	41.58
	37	113.92	29.49	134.48	34.54	155.04	38.76	161.21	43.84	164.03	42.34	166.03	42.56	169.35	42.77
	39	113.92	30.52	134.48	35.75	155.04	40.11	160.06	45.37	162.36	43.83	164.32	44.39	165.82	44.70
	41	113.92	31.76	134.48	37.20	155.04	41.74	159.57	47.21	160.68	45.66	162.60	46.11	164.05	46.48
	43	113.92	33.34	134.48	39.06	155.04	43.82	157.92	49.57	159.01	48.11	160.89	48.50	163.17	48.73
	46	113.92	34.80	134.48	40.76	155.04	45.73	154.76	51.73	155.83	49.97	156.07	50.13	156.64	50.12
	48	113.92	36.01	134.48	42.18	155.04	47.33	153.66	53.53	154.24	51.72	154.46	52.29	153.38	52.38
	50	113.92	37.48	134.48	43.90	155.04	49.26	153.18	55.71	152.65	53.88	152.85	54.32	151.75	54.48
60%	10	97.64	11.80	115.27	13.82	132.89	15.50	141.00	17.54	153.51	17.02	164.32	17.19	170.86	17.36
	12	97.64	12.01	115.27	14.07	132.89	15.78	141.00	17.85	153.51	17.33	164.32	17.50	169.35	17.67
	14	97.64	12.22	115.27	14.32	132.89	16.07	141.00	18.17	153.51	17.64	162.85	17.81	167.83	17.99
	16	97.64	12.44	115.27	14.57	132.89	16.35	141.00	18.49	153.51	17.95	161.38	18.13	166.32	18.30
	18	97.64	12.65	115.27	14.82	132.89	16.63	141.00	18.81	153.51	18.26	159.91	18.44	164.81	18.62
	19	97.64	12.87	115.27	15.07	132.89	16.91	141.00	19.13	153.51	18.57	158.45	18.75	163.30	18.93
	21	97.64	13.08	115.27	15.33	132.89	17.19	141.00	19.45	153.51	18.88	156.98	19.06	161.79	19.25
	23	97.64	13.30	115.27	15.58	132.89	17.48	141.00	19.77	153.51	19.19	155.51	19.38	160.27	19.57
	25	97.64	13.73	115.27	16.08	132.89	18.04	141.00	20.40	152.08	19.80	154.05	20.00	158.76	20.20
	27	97.64	13.94	115.27	16.33	132.89	18.32	141.00	20.72	150.64	20.11	152.58	20.31	157.25	20.51
	29	97.64	17.16	115.27	20.10	132.89	22.55	141.00	25.51	149.21	24.76	151.11	25.00	155.74	25.25
	31	97.64	19.30	115.27	22.61	132.89	25.37	141.00	28.69	147.77	27.85	149.64	28.13	154.23	28.40
	33	97.64	20.37	115.27	23.87	132.89	26.78	141.00	30.29	144.90	29.40	148.18	29.69	152.71	29.98
	35	97.64	21.45	115.27	25.12	132.89	28.19	141.00	31.88	143.47	30.94	146.71	31.25	151.20	31.56
	37	97.64	22.38	115.27	26.22	132.89	29.42	138.18	33.27	140.60	32.14	142.31	32.30	145.15	32.46
	39	97.64	23.16	115.27	27.13	132.89	30.44	137.19	34.43	139.16	33.27	140.84	33.69	142.13	33.92
	41	97.64	24.11	115.27	28.24	132.89	31.68	136.77	35.84	137.73	34.66	139.37	35.00	140.62	35.28
	43	97.64	25.31	115.27	29.65	132.89	33.26	135.36	37.62	136.29	36.51	137.91	36.81	139.86	36.99
	46	97.64	26.41	115.27	30.94	132.89	34.71	132.65	39.26	133.57	37.92	133.77	38.05	134.27	38.04
	48	97.64	27.33	115.27	32.02	132.89	35.92	131.71	40.63	132.21	39.25	132.39	39.69	131.47	39.76
	50	97.64	28.45	115.27	33.32	132.89	37.39	131.30	42.29	130.84	40.90	131.01	41.23	130.07	41.35
50%	10	81.37	8.31	96.06	9.73	110.74	10.92	117.50	12.35	127.93	11.99	136.93	12.11	142.38	12.23
	12	81.37	8.46	96.06	9.91	110.74	11.12	117.50	12.58	127.93	12.21	136.93	12.33	141.12	12.45
	14	81.37	8.61	96.06	10.09	110.74	11.32	117.50	12.80	127.93	12.42	135.71	12.55	139.86	12.67
	16	81.37	8.76	96.06	10.26	110.74	11.52	117.50	13.03	127.93	12.64	134.48	12.77	138.60	12.89
	18	81.37	8.91	96.06	10.44	110.74	11.71	117.50	13.25	127.93	12.86	133.26	12.99	137.34	13.11
	19	81.37	9.06	96.06	10.62	110.74	11.91	117.50	13.47	127.93	13.08	132.04	13.21	136.08	13.34
	21	81.37	9.22	96.06	10.79	110.74	12.11	117.50	13.70	127.93	13.30	130.82	13.43	134.82	13.56
	23	81.37	9.37	96.06	10.97	110.74	12.31	117.50	13.92	127.93	13.51	129.59	13.65	133.56	13.78
	25	81.37	9.67	96.06	11.33	110.74	12.71	117.50	14.37	126.73	13.95	128.37	14.09	132.30	14.23
	27	81.37	9.82	96.06	11.50	110.74	12.91	117.50	14.60	125.53	14.17	127.15	14.31	131.04	14.45
	29	81.37	12.09	96.06	14.16	110.74	15.88	117.50	17.97	124.34	17.44	125.93	17.61	129.78	17.78
	31	81.37	13.60	96.06	15.93	110.74	17.87	117.50	20.21	123.14	19.62	124.70	19.81	128.52	20.01
	33	81.37	14.35	96.06	16.81	110.74	18.86	117.50	21.33	120.75	20.71	123.48	20.91	127.26	21.12
	35	81.37	15.11	96.06	17.70	110.74	19.85	117.50	22.46	119.56	21.80	122.26	22.01	126.00	22.23
	37	81.37	15.77	96.06	18.47	110.74	20.72	115.15	23.44	117.17	22.64	118.59	22.75	120.96	22.86
	39	81.37	16.32	96.06	19.11	110.74	21.44	114.33	24.25	115.97	23.43	117.37	23.73	118.44	23.90
	41	81.37	16.98	96.06	19.89	110.74	22.32	113.98	25.24	114.77	24.41	116.15	24.65	117.18	24.85
	43	81.37	17.83	96.06	20.88	110.74	23.43	112.80	26.50	113.58	25.72	114.92	25.93	116.55	26.05
	46	81.37	18.60	96.06	21.79	110.74	24.45	110.54	27.65	111.31	26.71	111.48	26.80	111.89	26.80
	48	81.37	19.25	96.06	22.55	110.74	25.30	109.75	28.62	110.17	27.65	110.33	27.95	109.56	28.01
	50	81.37	20.04	96.06	23.47	110.74	26.33	109.42	29.79	109.04	28.81	109.18	29.04	108.39	29.13

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	65.10	6.59	76.85	7.72	88.60	8.66	94.00	9.79	102.34	9.50	109.54	9.60	113.91	9.69
	12	65.10	6.71	76.85	7.86	88.60	8.81	94.00	9.97	102.34	9.68	109.54	9.77	112.90	9.87
	14	65.10	6.83	76.85	8.00	88.60	8.97	94.00	10.15	102.34	9.85	108.57	9.95	111.89	10.04
	16	65.10	6.95	76.85	8.14	88.60	9.13	94.00	10.33	102.34	10.02	107.59	10.12	110.88	10.22
	18	65.10	7.07	76.85	8.28	88.60	9.29	94.00	10.50	102.34	10.19	106.61	10.30	109.87	10.40
	19	65.10	7.19	76.85	8.42	88.60	9.44	94.00	10.68	102.34	10.37	105.63	10.47	108.86	10.57
	21	65.10	7.31	76.85	8.56	88.60	9.60	94.00	10.86	102.34	10.54	104.65	10.64	107.86	10.75
	23	65.10	7.42	76.85	8.70	88.60	9.76	94.00	11.04	102.34	10.71	103.68	10.82	106.85	10.93
	25	65.10	7.66	76.85	8.98	88.60	10.07	94.00	11.39	101.38	11.06	102.70	11.17	105.84	11.28
	27	65.10	7.78	76.85	9.12	88.60	10.23	94.00	11.57	100.43	11.23	101.72	11.34	104.83	11.45
	29	65.10	9.58	76.85	11.22	88.60	12.59	94.00	14.24	99.47	13.82	100.74	13.96	103.82	14.10
	31	65.10	10.78	76.85	12.63	88.60	14.17	94.00	16.02	98.51	15.55	99.76	15.71	102.82	15.86
	33	65.10	11.38	76.85	13.33	88.60	14.95	94.00	16.91	96.60	16.42	98.79	16.58	101.81	16.74
	35	65.10	11.98	76.85	14.03	88.60	15.74	94.00	17.80	95.65	17.28	97.81	17.45	100.80	17.62
	37	65.10	12.50	76.85	14.64	88.60	16.43	92.12	18.58	93.73	17.95	94.87	18.04	96.77	18.13
	39	65.10	12.93	76.85	15.15	88.60	17.00	91.46	19.23	92.78	18.58	93.89	18.81	94.75	18.94
	41	65.10	13.46	76.85	15.77	88.60	17.69	91.18	20.01	91.82	19.35	92.92	19.54	93.74	19.70
	43	65.10	14.13	76.85	16.55	88.60	18.57	90.24	21.01	90.86	20.39	91.94	20.56	93.24	20.65
	46	65.10	14.75	76.85	17.28	88.60	19.38	88.44	21.92	89.05	21.18	89.18	21.25	89.51	21.24
	48	65.10	15.26	76.85	17.88	88.60	20.06	87.80	22.69	88.14	21.92	88.26	22.16	87.65	22.20
	50	65.10	15.88	76.85	18.61	88.60	20.88	87.53	23.61	87.23	22.84	87.34	23.02	86.71	23.09
30%	10	48.82	6.03	57.63	7.06	66.45	7.92	70.50	8.96	76.76	8.70	82.16	8.78	85.43	8.87
	12	48.82	6.14	57.63	7.19	66.45	8.07	70.50	9.12	76.76	8.85	82.16	8.94	84.67	9.03
	14	48.82	6.25	57.63	7.32	66.45	8.21	70.50	9.29	76.76	9.01	81.42	9.10	83.92	9.19
	16	48.82	6.36	57.63	7.45	66.45	8.35	70.50	9.45	76.76	9.17	80.69	9.26	83.16	9.35
	18	48.82	6.47	57.63	7.57	66.45	8.50	70.50	9.61	76.76	9.33	79.96	9.42	82.40	9.51
	19	48.82	6.57	57.63	7.70	66.45	8.64	70.50	9.77	76.76	9.49	79.22	9.58	81.65	9.67
	21	48.82	6.68	57.63	7.83	66.45	8.79	70.50	9.94	76.76	9.64	78.49	9.74	80.89	9.84
	23	48.82	6.79	57.63	7.96	66.45	8.93	70.50	10.10	76.76	9.80	77.76	9.90	80.14	10.00
	25	48.82	7.01	57.63	8.22	66.45	9.22	70.50	10.43	76.04	10.12	77.02	10.22	79.38	10.32
	27	48.82	7.12	57.63	8.34	66.45	9.36	70.50	10.59	75.32	10.28	76.29	10.38	78.62	10.48
	29	48.82	8.77	57.63	10.27	66.45	11.52	70.50	13.03	74.60	12.65	75.56	12.77	77.87	12.90
	31	48.82	9.86	57.63	11.55	66.45	12.96	70.50	14.66	73.89	14.23	74.82	14.37	77.11	14.51
	33	48.82	10.41	57.63	12.19	66.45	13.68	70.50	15.48	72.45	15.02	74.09	15.17	76.36	15.32
	35	48.82	10.96	57.63	12.84	66.45	14.40	70.50	16.29	71.73	15.81	73.36	15.97	75.60	16.12
	37	48.82	11.44	57.63	13.40	66.45	15.03	69.09	17.00	70.30	16.42	71.15	16.50	72.58	16.59
	39	48.82	11.83	57.63	13.86	66.45	15.55	68.60	17.59	69.58	17.00	70.42	17.21	71.06	17.33
	41	48.82	12.32	57.63	14.43	66.45	16.19	68.39	18.31	68.86	17.71	69.69	17.88	70.31	18.03
	43	48.82	12.93	57.63	15.15	66.45	16.99	67.68	19.22	68.15	18.66	68.95	18.81	69.93	18.90
	46	48.82	13.49	57.63	15.81	66.45	17.74	66.33	20.06	66.78	19.38	66.89	19.44	67.13	19.44
	48	48.82	13.97	57.63	16.36	66.45	18.35	65.85	20.76	66.10	20.06	66.20	20.28	65.73	20.31
	50	48.82	14.53	57.63	17.03	66.45	19.10	65.65	21.61	65.42	20.90	65.51	21.07	65.04	21.13
20%	10	32.55	3.49	38.42	4.08	44.30	4.58	47.00	5.18	51.17	5.03	54.77	5.08	56.95	5.13
	12	32.55	3.55	38.42	4.16	44.30	4.67	47.00	5.28	51.17	5.12	54.77	5.17	56.45	5.22
	14	32.55	3.61	38.42	4.23	44.30	4.75	47.00	5.37	51.17	5.21	54.28	5.27	55.94	5.32
	16	32.55	3.68	38.42	4.31	44.30	4.83	47.00	5.47	51.17	5.31	53.79	5.36	55.44	5.41
	18	32.55	3.74	38.42	4.38	44.30	4.92	47.00	5.56	51.17	5.40	53.30	5.45	54.94	5.50
	19	32.55	3.80	38.42	4.46	44.30	5.00	47.00	5.65	51.17	5.49	52.82	5.54	54.43	5.60
	21	32.55	3.87	38.42	4.53	44.30	5.08	47.00	5.75	51.17	5.58	52.33	5.64	53.93	5.69
	23	32.55	3.93	38.42	4.60	44.30	5.17	47.00	5.84	51.17	5.67	51.84	5.73	53.42	5.78
	25	32.55	4.06	38.42	4.75	44.30	5.33	47.00	6.03	50.69	5.85	51.35	5.91	52.92	5.97
	27	32.55	4.12	38.42	4.83	44.30	5.42	47.00	6.13	50.21	5.95	50.86	6.00	52.42	6.06
	29	32.55	5.07	38.42	5.94	44.30	6.67	47.00	7.54	49.74	7.32	50.37	7.39	51.91	7.46
	31	32.55	5.71	38.42	6.68	44.30	7.50	47.00	8.48	49.26	8.23	49.88	8.31	51.41	8.40
	33	32.55	6.02	38.42	7.06	44.30	7.92	47.00	8.95	48.30	8.69	49.39	8.78	50.90	8.86
	35	32.55	6.34	38.42	7.43	44.30	8.33	47.00	9.42	47.82	9.15	48.90	9.24	50.40	9.33
	37	32.55	6.62	38.42	7.75	44.30	8.70	46.06	9.84	46.87	9.50	47.44	9.55	48.38	9.60
	39	32.55	6.85	38.42	8.02	44.30	9.00	45.73	10.18	46.39	9.83	46.95	9.96	47.38	10.03
	41	32.55	7.13	38.42	8.35	44.30	9.37	45.59	10.59	45.91	10.25	46.46	10.35	46.87	10.43
	43	32.55	7.48	38.42	8.76	44.30	9.83	45.12	11.12	45.43	10.79	45.97	10.88	46.62	10.93
	46	32.55	7.81	38.42	9.15	44.30	10.26	44.22	11.61	44.52	11.21	44.59	11.25	44.76	11.25
	48	32.55	8.08	38.42	9.46	44.30	10.62	43.90	12.01	44.07	11.60	44.13	11.73	43.82	11.75
	50	32.55	8.41	38.42	9.85	44.30	11.05	43.77	12.50	43.61	12.09	43.67	12.19	43.36	12.22

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR860ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	182.61	31.50	215.57	36.90	248.53	41.40	263.69	47.27	287.09	45.45	307.30	45.90	319.53	46.35
	12	182.61	32.07	215.57	37.57	248.53	42.15	263.69	48.13	287.09	46.28	307.30	46.74	316.70	47.20
	14	182.61	32.65	215.57	38.24	248.53	42.91	263.69	48.99	287.09	47.11	304.55	47.57	313.87	48.04
	16	182.61	33.22	215.57	38.91	248.53	43.66	263.69	49.85	287.09	47.93	301.81	48.41	311.05	48.88
	18	182.61	33.79	215.57	39.59	248.53	44.41	263.69	50.71	287.09	48.76	299.06	49.24	308.22	49.72
	19	182.61	34.37	215.57	40.26	241.07	45.17	263.69	51.57	287.09	49.58	296.32	50.08	305.39	50.57
	21	182.61	34.94	215.57	40.93	248.53	45.92	263.69	52.43	287.09	50.41	293.58	50.91	302.56	51.41
	23	182.61	35.51	215.57	41.60	248.53	46.67	263.69	53.29	287.09	51.24	290.83	51.74	299.74	52.25
	25	182.61	36.66	215.57	42.94	248.53	48.18	263.69	55.01	284.40	52.89	288.09	53.41	296.91	53.94
	27	182.61	37.23	215.57	43.61	248.53	48.93	263.69	55.87	281.72	53.72	285.35	54.25	294.08	54.78
	29	182.61	45.82	215.57	53.68	248.53	60.22	263.69	68.76	279.04	66.11	282.60	66.77	291.25	67.42
	31	182.61	51.55	215.57	60.39	248.53	67.75	263.69	77.35	276.35	74.38	279.86	75.11	288.42	75.85
	33	182.61	54.41	215.57	63.74	248.53	71.51	263.69	81.65	270.99	78.51	277.11	79.29	285.60	80.06
	35	182.61	57.28	215.57	67.09	248.53	75.28	263.69	85.95	268.31	82.64	274.37	83.46	282.77	84.28
	37	182.61	59.77	215.57	70.02	248.53	78.56	258.42	89.70	262.94	85.83	266.14	86.26	271.46	86.69
	39	182.61	61.86	215.57	72.46	248.53	81.30	256.57	92.83	260.26	88.84	263.40	89.97	265.80	90.60
	41	182.61	64.38	215.57	75.41	248.53	84.61	255.78	96.61	257.57	92.56	260.65	93.47	262.98	94.22
	43	182.61	67.59	215.57	79.17	248.53	88.83	253.14	101.42	254.89	97.52	257.91	98.31	261.56	98.77
	46	182.61	70.53	215.57	82.62	248.53	92.70	248.08	105.84	249.79	101.28	250.17	101.62	251.10	101.60
	48	182.61	72.99	215.57	85.51	248.53	95.93	246.31	109.53	247.24	104.83	247.59	105.98	245.87	106.18
	50	182.61	75.97	215.57	88.99	248.53	99.84	245.55	114.00	244.69	109.22	245.01	110.11	243.25	110.43
120%	10	179.63	31.20	212.06	36.54	244.48	41.00	259.40	46.81	282.41	45.01	302.29	45.46	314.33	45.90
	12	179.63	31.76	212.06	37.21	244.48	41.75	259.40	47.66	282.41	45.83	302.29	46.28	311.54	46.74
	14	179.63	32.33	212.06	37.87	244.48	42.49	259.40	48.52	282.41	46.65	299.59	47.11	308.76	47.57
	16	179.63	32.90	212.06	38.54	244.48	43.24	259.40	49.37	282.41	47.47	296.89	47.94	305.98	48.41
	18	179.63	33.46	212.06	39.20	244.48	43.98	259.40	50.22	282.41	48.28	294.19	48.76	303.20	49.24
	19	179.63	34.03	212.06	39.87	244.48	44.73	259.40	51.07	282.41	49.10	291.49	49.59	300.42	50.08
	21	179.63	34.60	212.06	40.53	244.48	45.47	259.40	51.92	282.41	49.92	288.80	50.42	297.64	50.91
	23	179.63	35.17	212.06	41.19	244.48	46.22	259.40	52.77	282.41	50.74	286.10	51.24	294.85	51.74
	25	179.63	36.30	212.06	42.52	244.48	47.71	259.40	54.47	279.77	52.38	283.40	52.90	292.07	53.41
	27	179.63	36.87	212.06	43.19	244.48	48.45	259.40	55.32	277.13	53.20	280.70	53.72	289.29	54.25
	29	179.63	45.38	212.06	53.15	244.48	59.64	259.40	68.09	274.49	65.47	278.00	66.12	286.51	66.77
	31	179.63	51.05	212.06	59.80	244.48	67.09	259.40	76.60	271.85	73.65	275.30	74.38	283.73	75.11
	33	179.63	53.88	212.06	63.12	244.48	70.82	259.40	80.86	266.58	77.75	272.60	78.52	280.95	79.29
	35	179.63	56.72	212.06	66.44	244.48	74.55	259.40	85.12	263.94	81.84	269.90	82.65	278.16	83.46
	37	179.63	59.19	212.06	69.34	244.48	77.80	254.21	88.83	258.66	85.00	261.80	85.43	267.04	85.85
	39	179.63	61.26	212.06	71.76	244.48	80.51	252.39	91.92	256.02	87.98	259.11	89.10	261.47	89.72
	41	179.63	63.75	212.06	74.68	244.48	83.79	251.61	95.67	253.38	91.66	256.41	92.57	258.69	93.31
	43	179.63	66.93	212.06	78.40	244.48	87.96	249.02	100.44	250.74	96.57	253.71	97.36	257.30	97.81
	46	179.63	69.85	212.06	81.82	244.48	91.80	244.04	104.82	245.72	100.30	246.10	100.63	247.01	100.61
	48	179.63	72.28	212.06	84.68	244.48	95.00	242.30	108.47	243.22	103.81	243.56	104.95	241.86	105.15
	50	179.63	75.23	212.06	88.12	244.48	98.87	241.55	112.89	240.71	108.16	241.02	109.04	239.29	109.36
110%	10	176.66	30.45	208.55	35.67	240.43	40.02	255.10	45.70	277.74	43.94	297.29	44.37	309.12	44.81
	12	176.66	31.01	208.55	36.32	240.43	40.75	255.10	46.53	277.74	44.74	297.29	45.18	306.39	45.62
	14	176.66	31.56	208.55	36.97	240.43	41.48	255.10	47.36	277.74	45.54	294.63	45.99	303.65	46.44
	16	176.66	32.11	208.55	37.62	240.43	42.21	255.10	48.19	277.74	46.34	291.98	46.79	300.91	47.25
	18	176.66	32.67	208.55	38.27	240.43	42.93	255.10	49.02	277.74	47.14	289.32	47.60	298.18	48.07
	19	176.66	33.22	208.55	38.92	240.43	43.66	255.10	49.85	277.74	47.93	286.67	48.41	295.44	48.88
	21	176.66	33.78	208.55	39.57	240.43	44.39	255.10	50.68	277.74	48.73	284.01	49.22	292.71	49.70
	23	176.66	34.33	208.55	40.21	240.43	45.12	255.10	51.52	277.74	49.53	281.36	50.02	289.97	50.51
	25	176.66	35.44	208.55	41.51	240.43	46.57	255.10	53.18	275.14	51.13	278.71	51.64	287.24	52.14
	27	176.66	35.99	208.55	42.16	240.43	47.30	255.10	54.01	272.54	51.93	276.05	52.44	284.50	52.96
	29	176.66	44.30	208.55	51.89	240.43	58.22	255.10	66.47	269.95	63.91	273.40	64.54	281.77	65.18
	31	176.66	49.83	208.55	58.38	240.43	65.49	255.10	74.78	267.35	71.90	270.74	72.61	279.03	73.32
	33	176.66	52.60	208.55	61.62	240.43	69.13	255.10	78.93	262.16	75.90	268.09	76.65	276.29	77.40
	35	176.66	55.37	208.55	64.86	240.43	72.77	255.10	83.09	259.57	79.89	265.43	80.68	273.56	81.47
	37	176.66	57.78	208.55	67.69	240.43	75.94	250.00	86.71	254.37	82.97	257.47	83.39	262.62	83.80
	39	176.66	59.80	208.55	70.05	240.43	78.59	248.21	89.74	251.78	85.88	254.82	86.97	257.14	87.58
	41	176.66	62.24	208.55	72.90	240.43	81.79	247.45	93.39	249.18	89.48	252.16	90.36	254.41	91.09
	43	176.66	65.34	208.55	76.54	240.43	85.87	244.90	98.04	246.59	94.27	249.51	95.04	253.04	95.49
	46	176.66	68.18	208.55	79.87	240.43	89.61	240.00	102.32	241.66	97.91	242.02	98.24	242.92	98.22
	48	176.66	70.56	208.55	82.66	240.43	92.74	238.29	105.89	239.19	101.34	239.53	102.46	237.86	102.65
	50	176.66	73.44	208.55	86.03	240.43	96.52	237.55	110.20	236.72	105.58	237.03	106.45	235.33	106.75

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	166.55	28.84	196.61	33.78	226.67	37.90	240.50	41.20	261.84	41.61	280.27	42.02	291.43	42.43
	12	166.55	29.36	196.61	34.39	226.67	38.59	240.50	41.94	261.84	42.36	280.27	42.78	288.85	43.20
	14	166.55	29.89	196.61	35.01	226.67	39.28	240.50	42.69	261.84	43.12	277.77	43.55	286.27	43.97
	16	166.55	30.41	196.61	35.62	226.67	39.97	240.50	43.44	261.84	43.88	275.26	44.31	283.69	44.75
	18	166.55	30.93	196.61	36.24	226.67	40.66	240.50	44.19	261.84	44.63	272.76	45.07	281.11	45.52
	19	166.55	31.46	196.61	36.85	226.67	41.34	240.50	44.94	261.84	45.39	270.26	45.84	278.53	46.29
	21	166.55	31.98	196.61	37.46	226.67	42.03	240.50	45.69	261.84	46.15	267.76	46.60	275.95	47.06
	23	166.55	32.51	196.61	38.08	226.67	42.72	240.50	46.44	261.84	46.90	265.25	47.37	273.37	47.83
	25	166.55	33.56	196.61	39.31	226.67	44.10	240.50	47.94	259.39	48.42	262.75	48.89	270.80	49.37
	27	166.55	34.08	196.61	39.92	226.67	44.79	240.50	48.69	256.94	49.17	260.25	49.66	268.22	50.15
	29	166.55	41.94	196.61	49.13	226.67	55.13	240.50	59.92	254.50	60.52	257.75	61.12	265.64	61.72
	31	166.55	47.19	196.61	55.28	226.67	62.02	240.50	67.41	252.05	68.08	255.25	68.76	263.06	69.43
	33	166.55	49.81	196.61	58.35	226.67	65.46	240.50	71.16	247.16	71.87	252.74	72.58	260.48	73.29
	35	166.55	52.43	196.61	61.42	226.67	68.91	240.50	74.90	244.71	75.65	250.24	76.40	257.90	77.15
	37	166.55	54.72	196.61	64.10	226.67	71.91	235.69	78.17	239.81	78.57	242.73	78.96	247.58	79.35
	39	166.55	56.62	196.61	66.33	226.67	74.42	234.01	80.89	237.37	81.32	240.23	82.36	242.43	82.93
	41	166.55	58.93	196.61	69.03	226.67	77.45	233.29	84.19	234.92	84.73	237.73	85.57	239.85	86.25
	43	166.55	61.87	196.61	72.47	226.67	81.31	230.88	88.38	232.47	89.27	235.23	90.00	238.56	90.42
	46	166.55	64.56	196.61	75.63	226.67	84.86	226.26	92.24	227.82	92.71	228.17	93.02	229.02	93.00
	48	166.55	66.82	196.61	78.27	226.67	87.82	224.65	95.45	225.50	95.96	225.82	97.02	224.24	97.20
	50	166.55	69.54	196.61	81.46	226.67	91.39	223.95	99.34	223.17	99.98	223.46	100.80	221.86	101.09
90%	10	149.89	24.21	176.95	28.35	204.00	31.81	216.45	36.32	235.65	34.92	252.24	35.27	262.28	35.62
	12	149.89	24.65	176.95	28.87	204.00	32.39	216.45	36.98	235.65	35.56	252.24	35.91	259.96	36.26
	14	149.89	25.09	176.95	29.39	204.00	32.97	216.45	37.64	235.65	36.19	249.99	36.55	257.64	36.91
	16	149.89	25.53	176.95	29.90	204.00	33.55	216.45	38.30	235.65	36.83	247.74	37.19	255.32	37.56
	18	149.89	25.97	176.95	30.42	204.00	34.13	216.45	38.96	235.65	37.46	245.49	37.84	253.00	38.21
	19	149.89	26.41	176.95	30.93	204.00	34.70	216.45	39.63	235.65	38.10	243.23	38.48	250.68	38.85
	21	149.89	26.85	176.95	31.45	204.00	35.28	216.45	40.29	235.65	38.73	240.98	39.12	248.36	39.50
	23	149.89	27.29	176.95	31.96	204.00	35.86	216.45	40.95	235.65	39.37	238.73	39.76	246.04	40.15
	25	149.89	28.17	176.95	32.99	204.00	37.02	216.45	42.27	233.45	40.64	236.48	41.04	243.72	41.44
	27	149.89	28.61	176.95	33.51	204.00	37.60	216.45	42.93	231.25	41.27	234.22	41.68	241.39	42.09
	29	149.89	35.21	176.95	41.24	204.00	46.27	216.45	52.83	229.05	50.80	231.97	51.30	239.07	51.81
	31	149.89	39.61	176.95	46.40	204.00	52.06	216.45	59.44	226.85	57.15	229.72	57.72	236.75	58.28
	33	149.89	41.81	176.95	48.98	204.00	54.95	216.45	62.74	222.44	60.32	227.47	60.92	234.43	61.52
	35	149.89	44.01	176.95	51.55	204.00	57.84	216.45	66.04	220.24	63.50	225.22	64.13	232.11	64.76
	37	149.89	45.93	176.95	53.80	204.00	60.36	212.12	68.92	215.83	65.95	218.46	66.28	222.83	66.61
	39	149.89	47.53	176.95	55.68	204.00	62.47	210.61	71.33	213.63	68.26	216.21	69.13	218.18	69.61
	41	149.89	49.47	176.95	57.95	204.00	65.01	209.96	74.23	211.43	71.12	213.96	71.82	215.86	72.40
	43	149.89	51.93	176.95	60.83	204.00	68.25	207.79	77.93	209.23	74.93	211.70	75.54	214.70	75.89
	46	149.89	54.20	176.95	63.49	204.00	71.23	203.64	81.33	205.04	77.82	205.35	78.08	206.11	78.07
	48	149.89	56.09	176.95	65.70	204.00	73.71	202.18	84.16	202.95	80.55	203.24	81.44	201.82	81.59
	50	149.89	58.37	176.95	68.38	204.00	76.72	201.56	87.59	200.86	83.92	201.12	84.61	199.67	84.85
80%	10	133.24	19.84	157.29	23.24	181.34	26.07	192.40	29.77	209.47	28.62	224.22	28.90	233.14	29.19
	12	133.24	20.20	157.29	23.66	181.34	26.54	192.40	30.31	209.47	29.14	224.22	29.43	231.08	29.72
	14	133.24	20.56	157.29	24.08	181.34	27.02	192.40	30.85	209.47	29.66	222.21	29.95	229.02	30.25
	16	133.24	20.92	157.29	24.50	181.34	27.49	192.40	31.39	209.47	30.18	220.21	30.48	226.95	30.78
	18	133.24	21.28	157.29	24.93	181.34	27.97	192.40	31.93	209.47	30.70	218.21	31.01	224.89	31.31
	19	133.24	21.64	157.29	25.35	181.34	28.44	192.40	32.47	209.47	31.22	216.21	31.53	222.83	31.84
	21	133.24	22.00	157.29	25.77	181.34	28.91	192.40	33.01	209.47	31.74	214.21	32.06	220.76	32.37
	23	133.24	22.36	157.29	26.19	181.34	29.39	192.40	33.55	209.47	32.26	212.20	32.58	218.70	32.90
	25	133.24	23.08	157.29	27.04	181.34	30.34	192.40	34.64	207.51	33.30	210.20	33.63	216.64	33.96
	27	133.24	23.44	157.29	27.46	181.34	30.81	192.40	35.18	205.56	33.82	208.20	34.16	214.57	34.49
	29	133.24	28.85	157.29	33.80	181.34	37.92	192.40	43.30	203.60	41.63	206.20	42.04	212.51	42.45
	31	133.24	32.46	157.29	38.02	181.34	42.66	192.40	48.71	201.64	46.83	204.20	47.30	210.45	47.76
	33	133.24	34.26	157.29	40.14	181.34	45.03	192.40	51.41	197.72	49.44	202.19	49.92	208.38	50.41
	35	133.24	36.07	157.29	42.25	181.34	47.40	192.40	54.12	195.77	52.04	200.19	52.55	206.32	53.07
	37	133.24	37.64	157.29	44.09	181.34	49.47	188.55	56.48	191.85	54.05	194.19	54.32	198.07	54.59
	39	133.24	38.95	157.29	45.63	181.34	51.19	187.21	58.45	189.89	55.94	192.18	56.65	193.94	57.05
	41	133.24	40.54	157.29	47.49	181.34	53.28	186.63	60.83	187.94	58.28	190.18	58.86	191.88	59.33
	43	133.24	42.56	157.29	49.85	181.34	55.93	184.70	63.86	185.98	61.40	188.18	61.91	190.85	62.20
	46	133.24	44.41	157.29	52.03	181.34	58.37	181.01	66.65	182.26	63.77	182.54	63.99	183.21	63.97
	48	133.24	45.96	157.29	53.84	181.34	60.41	179.72	68.97	180.40	66.01	180.65	66.74	179.40	66.86
	50	133.24	47.83	157.29	56.03	181.34	62.87	179.16	71.78	178.54	68.77	178.77	69.34	177.49	69.53

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	116.58	15.77	137.63	18.48	158.67	20.73	168.35	23.67	183.29	22.76	196.19	22.98	204.00	23.21
	12	116.58	16.06	137.63	18.81	158.67	21.11	168.35	24.10	183.29	23.17	196.19	23.40	202.19	23.63
	14	116.58	16.35	137.63	19.15	158.67	21.48	168.35	24.53	183.29	23.59	194.44	23.82	200.39	24.05
	16	116.58	16.63	137.63	19.48	158.67	21.86	168.35	24.96	183.29	24.00	192.68	24.24	198.58	24.47
	18	116.58	16.92	137.63	19.82	158.67	22.24	168.35	25.39	183.29	24.41	190.93	24.65	196.78	24.90
	19	116.58	17.21	137.63	20.16	158.67	22.61	168.35	25.82	183.29	24.83	189.18	25.07	194.97	25.32
	21	116.58	17.49	137.63	20.49	158.67	22.99	168.35	26.25	183.29	25.24	187.43	25.49	193.17	25.74
	23	116.58	17.78	137.63	20.83	158.67	23.37	168.35	26.68	183.29	25.65	185.68	25.91	191.36	26.16
	25	116.58	18.35	137.63	21.50	158.67	24.12	168.35	27.54	181.57	26.48	183.93	26.74	189.56	27.01
	27	116.58	18.64	137.63	21.84	158.67	24.50	168.35	27.97	179.86	26.90	182.17	27.16	187.75	27.43
	29	116.58	22.94	137.63	26.88	158.67	30.15	168.35	34.43	178.15	33.10	180.42	33.43	185.95	33.76
	31	116.58	25.81	137.63	30.23	158.67	33.92	168.35	38.73	176.44	37.24	178.67	37.61	184.14	37.98
	33	116.58	27.24	137.63	31.91	158.67	35.81	168.35	40.88	173.01	39.31	176.92	39.70	182.34	40.09
	35	116.58	28.68	137.63	33.59	158.67	37.69	168.35	43.03	171.30	41.38	175.17	41.79	180.53	42.20
	37	116.58	29.93	137.63	35.06	158.67	39.33	164.98	44.91	167.87	42.97	169.91	43.19	173.31	43.40
	39	116.58	30.97	137.63	36.28	158.67	40.71	163.80	46.48	166.16	44.48	168.16	45.05	169.70	45.36
	41	116.58	32.23	137.63	37.76	158.67	42.36	163.30	48.37	164.44	46.34	166.41	46.80	167.89	47.18
	43	116.58	33.84	137.63	39.64	158.67	44.47	161.62	50.78	162.73	48.83	164.66	49.23	166.99	49.45
	46	116.58	35.31	137.63	41.37	158.67	46.41	158.38	52.99	159.48	50.71	159.72	50.88	160.31	50.87
	48	116.58	36.55	137.63	42.81	158.67	48.03	157.25	54.84	157.85	52.49	158.07	53.07	156.97	53.16
	50	116.58	38.04	137.63	44.56	158.67	49.99	156.77	57.08	156.22	54.68	156.43	55.13	155.30	55.29
60%	10	99.93	11.97	117.97	14.02	136.00	15.73	144.30	17.96	157.10	17.27	168.16	17.44	174.86	17.62
	12	99.93	12.19	117.97	14.28	136.00	16.02	144.30	18.29	157.10	17.59	168.16	17.76	173.31	17.94
	14	99.93	12.41	117.97	14.53	136.00	16.31	144.30	18.62	157.10	17.90	166.66	18.08	171.76	18.26
	16	99.93	12.62	117.97	14.79	136.00	16.59	144.30	18.94	157.10	18.22	165.16	18.40	170.21	18.58
	18	99.93	12.84	117.97	15.04	136.00	16.88	144.30	19.27	157.10	18.53	163.66	18.71	168.67	18.90
	19	99.93	13.06	117.97	15.30	136.00	17.16	144.30	19.60	157.10	18.84	162.16	19.03	167.12	19.22
	21	99.93	13.28	117.97	15.55	136.00	17.45	144.30	19.92	157.10	19.16	160.65	19.35	165.57	19.54
	23	99.93	13.50	117.97	15.81	136.00	17.74	144.30	20.25	157.10	19.47	159.15	19.66	164.02	19.86
	25	99.93	13.93	117.97	16.32	136.00	18.31	144.30	20.90	155.63	20.10	157.65	20.30	162.48	20.50
	27	99.93	14.15	117.97	16.57	136.00	18.59	144.30	21.23	154.17	20.41	156.15	20.62	160.93	20.82
	29	99.93	17.41	117.97	20.40	136.00	22.89	144.30	26.13	152.70	25.12	154.65	25.37	159.38	25.62
	31	99.93	19.59	117.97	22.95	136.00	25.75	144.30	29.40	151.23	28.27	153.15	28.55	157.83	28.82
	33	99.93	20.68	117.97	24.22	136.00	27.18	144.30	31.03	148.29	29.84	151.65	30.13	156.29	30.43
	35	99.93	21.77	117.97	25.50	136.00	28.61	144.30	32.66	146.83	31.41	150.14	31.72	154.74	32.03
	37	99.93	22.72	117.97	26.61	136.00	29.85	141.41	34.09	143.89	32.62	145.64	32.78	148.55	32.94
	39	99.93	23.51	117.97	27.54	136.00	30.90	140.40	35.28	142.42	33.76	144.14	34.19	145.46	34.43
	41	99.93	24.47	117.97	28.66	136.00	32.15	139.97	36.71	140.95	35.17	142.64	35.52	143.91	35.81
	43	99.93	25.68	117.97	30.09	136.00	33.76	138.53	38.54	139.48	37.06	141.14	37.36	143.13	37.54
	46	99.93	26.80	117.97	31.40	136.00	35.23	135.76	40.22	136.69	38.49	136.90	38.62	137.41	38.61
	48	99.93	27.74	117.97	32.49	136.00	36.46	134.79	41.63	135.30	39.84	135.49	40.28	134.55	40.35
	50	99.93	28.87	117.97	33.82	136.00	37.94	134.37	43.32	133.90	41.51	134.08	41.85	133.12	41.97
50%	10	83.27	8.43	98.30	9.88	113.34	11.08	120.25	12.65	130.92	12.17	140.13	12.29	145.71	12.41
	12	83.27	8.59	98.30	10.06	113.34	11.28	120.25	12.88	130.92	12.39	140.13	12.51	144.42	12.63
	14	83.27	8.74	98.30	10.24	113.34	11.49	120.25	13.11	130.92	12.61	138.88	12.73	143.13	12.86
	16	83.27	8.89	98.30	10.42	113.34	11.69	120.25	13.34	130.92	12.83	137.63	12.96	141.85	13.08
	18	83.27	9.05	98.30	10.60	113.34	11.89	120.25	13.57	130.92	13.05	136.38	13.18	140.56	13.31
	19	83.27	9.20	98.30	10.78	113.34	12.09	120.25	13.80	130.92	13.27	135.13	13.40	139.27	13.54
	21	83.27	9.35	98.30	10.96	113.34	12.29	120.25	14.03	130.92	13.49	133.88	13.63	137.98	13.76
	23	83.27	9.51	98.30	11.14	113.34	12.49	120.25	14.26	130.92	13.72	132.63	13.85	136.69	13.99
	25	83.27	9.81	98.30	11.49	113.34	12.90	120.25	14.72	129.70	14.16	131.38	14.30	135.40	14.44
	27	83.27	9.97	98.30	11.67	113.34	13.10	120.25	14.95	128.47	14.38	130.12	14.52	134.11	14.66
	29	83.27	12.27	98.30	14.37	113.34	16.12	120.25	18.41	127.25	17.70	128.87	17.87	132.82	18.05
	31	83.27	13.80	98.30	16.16	113.34	18.14	120.25	20.71	126.03	19.91	127.62	20.11	131.53	20.30
	33	83.27	14.57	98.30	17.06	113.34	19.14	120.25	21.86	123.58	21.02	126.37	21.22	130.24	21.43
	35	83.27	15.33	98.30	17.96	113.34	20.15	120.25	23.01	122.35	22.12	125.12	22.34	128.95	22.56
	37	83.27	16.00	98.30	18.74	113.34	21.03	117.85	24.01	119.91	22.98	121.37	23.09	123.79	23.20
	39	83.27	16.56	98.30	19.40	113.34	21.76	117.00	24.85	118.68	23.78	120.12	24.08	121.21	24.25
	41	83.27	17.23	98.30	20.19	113.34	22.65	116.64	25.86	117.46	24.78	118.86	25.02	119.92	25.22
	43	83.27	18.09	98.30	21.19	113.34	23.78	115.44	27.15	116.24	26.10	117.61	26.32	119.28	26.44
	46	83.27	18.88	98.30	22.12	113.34	24.81	113.13	28.33	113.91	27.11	114.08	27.20	114.51	27.20
	48	83.27	19.54	98.30	22.89	113.34	25.68	112.32	29.32	112.75	28.06	112.91	28.37	112.12	28.42
	50	83.27	20.33	98.30	23.82	113.34	26.73	111.98	30.52	111.59	29.24	111.73	29.48	110.93	29.56

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	66.62	6.68	78.64	7.83	90.67	8.79	96.20	10.03	104.74	9.65	112.11	9.74	116.57	9.84
	12	66.62	6.81	78.64	7.97	90.67	8.95	96.20	10.21	104.74	9.82	112.11	9.92	115.54	10.02
	14	66.62	6.93	78.64	8.12	90.67	9.11	96.20	10.40	104.74	10.00	111.11	10.09	114.51	10.19
	16	66.62	7.05	78.64	8.26	90.67	9.26	96.20	10.58	104.74	10.17	110.11	10.27	113.48	10.37
	18	66.62	7.17	78.64	8.40	90.67	9.42	96.20	10.76	104.74	10.35	109.10	10.45	112.44	10.55
	19	66.62	7.29	78.64	8.54	90.67	9.58	96.20	10.94	104.74	10.52	108.10	10.63	111.41	10.73
	21	66.62	7.41	78.64	8.69	90.67	9.74	96.20	11.13	104.74	10.70	107.10	10.80	110.38	10.91
	23	66.62	7.54	78.64	8.83	90.67	9.90	96.20	11.31	104.74	10.87	106.10	10.98	109.35	11.09
	25	66.62	7.78	78.64	9.11	90.67	10.22	96.20	11.67	103.76	11.22	105.10	11.33	108.32	11.45
	27	66.62	7.90	78.64	9.25	90.67	10.38	96.20	11.86	102.78	11.40	104.10	11.51	107.29	11.62
	29	66.62	9.72	78.64	11.39	90.67	12.78	96.20	14.59	101.80	14.03	103.10	14.17	106.25	14.31
	31	66.62	10.94	78.64	12.81	90.67	14.38	96.20	16.42	100.82	15.78	102.10	15.94	105.22	16.10
	33	66.62	11.55	78.64	13.53	90.67	15.18	96.20	17.33	98.86	16.66	101.10	16.82	104.19	16.99
	35	66.62	12.15	78.64	14.24	90.67	15.97	96.20	18.24	97.88	17.54	100.10	17.71	103.16	17.88
	37	66.62	12.68	78.64	14.86	90.67	16.67	94.28	19.03	95.93	18.21	97.09	18.31	99.03	18.40
	39	66.62	13.13	78.64	15.38	90.67	17.25	93.60	19.70	94.95	18.85	96.09	19.09	96.97	19.23
	41	66.62	13.66	78.64	16.00	90.67	17.95	93.31	20.50	93.97	19.64	95.09	19.84	95.94	19.99
	43	66.62	14.34	78.64	16.80	90.67	18.85	92.35	21.52	92.99	20.69	94.09	20.86	95.42	20.96
	46	66.62	14.97	78.64	17.53	90.67	19.67	90.50	22.46	91.13	21.49	91.27	21.56	91.61	21.56
	48	66.62	15.49	78.64	18.14	90.67	20.36	89.86	23.24	90.20	22.25	90.33	22.49	89.70	22.53
	50	66.62	16.12	78.64	18.88	90.67	21.19	89.58	24.19	89.27	23.18	89.39	23.37	88.74	23.43
30%	10	49.96	6.12	58.98	7.17	68.00	8.04	72.15	9.18	78.55	8.83	84.08	8.91	87.43	9.00
	12	49.96	6.23	58.98	7.30	68.00	8.19	72.15	9.35	78.55	8.99	84.08	9.08	86.65	9.16
	14	49.96	6.34	58.98	7.43	68.00	8.33	72.15	9.51	78.55	9.15	83.33	9.24	85.88	9.33
	16	49.96	6.45	58.98	7.56	68.00	8.48	72.15	9.68	78.55	9.31	82.58	9.40	85.11	9.49
	18	49.96	6.56	58.98	7.69	68.00	8.62	72.15	9.85	78.55	9.47	81.83	9.56	84.33	9.66
	19	49.96	6.67	58.98	7.82	68.00	8.77	72.15	10.01	78.55	9.63	81.08	9.72	83.56	9.82
	21	49.96	6.78	58.98	7.95	68.00	8.92	72.15	10.18	78.55	9.79	80.33	9.89	82.79	9.98
	23	49.96	6.90	58.98	8.08	68.00	9.06	72.15	10.35	78.55	9.95	79.58	10.05	82.01	10.15
	25	49.96	7.12	58.98	8.34	68.00	9.35	72.15	10.68	77.82	10.27	78.83	10.37	81.24	10.47
	27	49.96	7.23	58.98	8.47	68.00	9.50	72.15	10.85	77.08	10.43	78.07	10.53	80.46	10.64
	29	49.96	8.90	58.98	10.42	68.00	11.69	72.15	13.35	76.35	12.84	77.32	12.96	79.69	13.09
	31	49.96	10.01	58.98	11.73	68.00	13.16	72.15	15.02	75.62	14.44	76.57	14.59	78.92	14.73
	33	49.96	10.57	58.98	12.38	68.00	13.89	72.15	15.85	74.15	15.24	75.82	15.40	78.14	15.55
	35	49.96	11.12	58.98	13.03	68.00	14.62	72.15	16.69	73.41	16.05	75.07	16.21	77.37	16.36
	37	49.96	11.61	58.98	13.60	68.00	15.25	70.71	17.42	71.94	16.67	72.82	16.75	74.28	16.83
	39	49.96	12.01	58.98	14.07	68.00	15.79	70.20	18.02	71.21	17.25	72.07	17.47	72.73	17.59
	41	49.96	12.50	58.98	14.64	68.00	16.43	69.99	18.76	70.48	17.97	71.32	18.15	71.95	18.30
	43	49.96	13.12	58.98	15.37	68.00	17.25	69.26	19.69	69.74	18.94	70.57	19.09	71.57	19.18
	46	49.96	13.70	58.98	16.04	68.00	18.00	67.88	20.55	68.35	19.67	68.45	19.73	68.70	19.73
	48	49.96	14.17	58.98	16.60	68.00	18.63	67.39	21.27	67.65	20.36	67.75	20.58	67.27	20.62
	50	49.96	14.75	58.98	17.28	68.00	19.39	67.19	22.14	66.95	21.21	67.04	21.38	66.56	21.44
20%	10	33.31	3.54	39.32	4.15	45.33	4.65	48.10	5.31	52.37	5.11	56.05	5.16	58.29	5.21
	12	33.31	3.60	39.32	4.22	45.33	4.74	48.10	5.41	52.37	5.20	56.05	5.25	57.77	5.30
	14	33.31	3.67	39.32	4.30	45.33	4.82	48.10	5.50	52.37	5.29	55.55	5.34	57.25	5.40
	16	33.31	3.73	39.32	4.37	45.33	4.90	48.10	5.60	52.37	5.38	55.05	5.44	56.74	5.49
	18	33.31	3.80	39.32	4.45	45.33	4.99	48.10	5.70	52.37	5.48	54.55	5.53	56.22	5.59
	19	33.31	3.86	39.32	4.52	45.33	5.07	48.10	5.79	52.37	5.57	54.05	5.63	55.71	5.68
	21	33.31	3.93	39.32	4.60	45.33	5.16	48.10	5.89	52.37	5.66	53.55	5.72	55.19	5.78
	23	33.31	3.99	39.32	4.67	45.33	5.24	48.10	5.99	52.37	5.76	53.05	5.81	54.67	5.87
	25	33.31	4.12	39.32	4.82	45.33	5.41	48.10	6.18	51.88	5.94	52.55	6.00	54.16	6.06
	27	33.31	4.18	39.32	4.90	45.33	5.50	48.10	6.28	51.39	6.03	52.05	6.09	53.64	6.15
	29	33.31	5.15	39.32	6.03	45.33	6.77	48.10	7.72	50.90	7.43	51.55	7.50	53.13	7.57
	31	33.31	5.79	39.32	6.78	45.33	7.61	48.10	8.69	50.41	8.36	51.05	8.44	52.61	8.52
	33	33.31	6.11	39.32	7.16	45.33	8.03	48.10	9.17	49.43	8.82	50.55	8.91	52.10	8.99
	35	33.31	6.43	39.32	7.54	45.33	8.46	48.10	9.66	48.94	9.28	50.05	9.38	51.58	9.47
	37	33.31	6.72	39.32	7.87	45.33	8.83	47.14	10.08	47.96	9.64	48.55	9.69	49.52	9.74
	39	33.31	6.95	39.32	8.14	45.33	9.13	46.80	10.43	47.47	9.98	48.05	10.11	48.49	10.18
	41	33.31	7.23	39.32	8.47	45.33	9.51	46.66	10.85	46.98	10.40	47.55	10.50	47.97	10.59
	43	33.31	7.59	39.32	8.89	45.33	9.98	46.18	11.39	46.49	10.96	47.05	11.05	47.71	11.10
	46	33.31	7.92	39.32	9.28	45.33	10.41	45.25	11.89	45.56	11.38	45.63	11.42	45.80	11.41
	48	33.31	8.20	39.32	9.61	45.33	10.78	44.93	12.31	45.10	11.78	45.16	11.91	44.85	11.93
	50	33.31	8.53	39.32	10.00	45.33	11.22	44.79	12.81	44.63	12.27	44.69	12.37	44.37	12.41

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR880ADB**

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8,WB:14		DB:23.3,WB:16		DB:25.8,WB:18		DB:27,WB:19		DB:28.2,WB:20		DB:30.7,WB:22		DB:32,WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	10	186.78	31.96	220.50	37.44	254.21	42.01	269.72	48.40	293.65	46.12	314.32	46.58	326.84	47.03
	12	186.78	32.55	220.50	38.12	254.21	42.77	269.72	49.28	293.65	46.96	314.32	47.42	323.94	47.89
	14	186.78	33.13	220.50	38.81	254.21	43.54	269.72	50.16	293.65	47.80	311.52	48.27	321.05	48.74
	16	186.78	33.71	220.50	39.49	254.21	44.30	269.72	51.04	293.65	48.64	308.71	49.12	318.16	49.60
	18	186.78	34.29	220.50	40.17	254.21	45.07	269.72	51.92	293.65	49.47	305.90	49.96	315.27	50.45
	19	186.78	34.87	220.50	40.85	246.59	45.83	269.72	52.80	293.65	50.31	303.10	50.81	312.37	51.31
	21	186.78	35.45	220.50	41.53	254.21	46.59	269.72	53.68	293.65	51.15	300.29	51.66	309.48	52.16
	23	186.78	36.03	220.50	42.21	254.21	47.36	269.72	54.56	293.65	51.99	297.48	52.50	306.59	53.02
	25	186.78	37.19	220.50	43.57	254.21	48.88	269.72	56.32	290.91	53.67	294.68	54.20	303.70	54.73
	27	186.78	37.78	220.50	44.25	254.21	49.65	269.72	57.20	288.16	54.51	291.87	55.05	300.81	55.58
	29	186.78	46.49	220.50	54.46	254.21	61.11	269.72	70.40	285.42	67.08	289.06	67.75	297.91	68.41
	31	186.78	52.31	220.50	61.27	254.21	68.74	269.72	79.21	282.67	75.47	286.26	76.22	295.02	76.96
	33	186.78	55.21	220.50	64.68	254.21	72.56	269.72	83.61	277.19	79.66	283.45	80.45	292.13	81.24
	35	186.78	58.12	220.50	68.08	254.21	76.38	269.72	88.01	274.44	83.85	280.65	84.68	289.24	85.51
	37	186.78	60.65	220.50	71.05	254.21	79.71	264.33	91.84	268.95	87.09	272.23	87.53	277.67	87.96
	39	186.78	62.77	220.50	73.53	254.21	82.49	262.44	95.05	266.21	90.14	269.42	91.29	271.88	91.93
	41	186.78	65.32	220.50	76.52	254.21	85.85	261.63	98.92	263.46	93.92	266.61	94.85	268.99	95.61
	43	186.78	68.58	220.50	80.33	254.21	90.13	258.93	103.85	260.72	98.95	263.81	99.76	267.54	100.22
	46	186.78	71.57	220.50	83.84	254.21	94.06	253.75	108.37	255.51	102.77	255.89	103.11	256.84	103.09
	48	186.78	74.06	220.50	86.76	254.21	97.34	251.94	112.15	252.90	106.37	253.25	107.54	251.49	107.74
	50	186.78	77.08	220.50	90.30	254.21	101.31	251.16	116.72	250.29	110.82	250.62	111.73	248.82	112.05
120%	10	183.74	31.65	216.91	37.08	250.07	41.60	265.33	47.93	288.87	45.67	309.20	46.12	321.51	46.58
	12	183.74	32.23	216.91	37.75	250.07	42.36	265.33	48.80	288.87	46.50	309.20	46.96	318.67	47.42
	14	183.74	32.81	216.91	38.43	250.07	43.12	265.33	49.68	288.87	47.33	306.44	47.80	315.82	48.27
	16	183.74	33.38	216.91	39.10	250.07	43.87	265.33	50.55	288.87	48.16	303.68	48.64	312.98	49.12
	18	183.74	33.96	216.91	39.78	250.07	44.63	265.33	51.42	288.87	48.99	300.92	49.48	310.13	49.96
	19	183.74	34.53	216.91	40.45	250.07	45.38	265.33	52.29	288.87	49.82	298.16	50.32	307.29	50.81
	21	183.74	35.11	216.91	41.13	250.07	46.14	265.33	53.16	288.87	50.65	295.40	51.16	304.44	51.66
	23	183.74	35.68	216.91	41.80	250.07	46.90	265.33	54.03	288.87	51.49	292.64	51.99	301.60	52.50
	25	183.74	36.83	216.91	43.15	250.07	48.41	265.33	55.78	286.17	53.15	289.88	53.67	298.75	54.20
	27	183.74	37.41	216.91	43.82	250.07	49.17	265.33	56.65	283.47	53.98	287.12	54.51	295.91	55.05
	29	183.74	46.04	216.91	53.94	250.07	60.51	265.33	69.72	280.77	66.43	284.36	67.09	293.06	67.75
	31	183.74	51.80	216.91	60.68	250.07	68.08	265.33	78.44	278.07	74.74	281.60	75.48	290.22	76.22
	33	183.74	54.68	216.91	64.05	250.07	71.86	265.33	82.79	272.67	78.89	278.84	79.67	287.37	80.45
	35	183.74	57.55	216.91	67.42	250.07	75.64	265.33	87.15	269.97	83.04	276.07	83.86	284.53	84.68
	37	183.74	60.06	216.91	70.36	250.07	78.94	260.02	90.95	264.57	86.25	267.79	86.68	273.14	87.11
	39	183.74	62.16	216.91	72.81	250.07	81.69	258.16	94.12	261.87	89.27	265.03	90.40	267.45	91.04
	41	183.74	64.69	216.91	75.78	250.07	85.02	257.37	97.96	259.17	93.01	262.27	93.93	264.61	94.68
	43	183.74	67.91	216.91	79.55	250.07	89.26	254.72	102.84	256.47	97.99	259.51	98.79	263.19	99.25
	46	183.74	70.87	216.91	83.02	250.07	93.15	249.62	107.32	251.34	101.77	251.72	102.11	252.66	102.09
	48	183.74	73.35	216.91	85.92	250.07	96.40	247.84	111.07	248.78	105.34	249.13	106.50	247.39	106.69
	50	183.74	76.33	216.91	89.42	250.07	100.32	247.07	115.59	246.21	109.75	246.53	110.64	244.76	110.96
110%	10	180.70	30.90	213.31	36.20	245.93	40.61	260.94	46.79	284.09	44.58	304.08	45.03	316.19	45.47
	12	180.70	31.46	213.31	36.86	245.93	41.35	260.94	47.64	284.09	45.40	304.08	45.84	313.39	46.29
	14	180.70	32.02	213.31	37.51	245.93	42.09	260.94	48.49	284.09	46.21	301.37	46.66	310.59	47.12
	16	180.70	32.59	213.31	38.17	245.93	42.83	260.94	49.34	284.09	47.02	298.65	47.48	307.80	47.95
	18	180.70	33.15	213.31	38.83	245.93	43.57	260.94	50.19	284.09	47.83	295.94	48.30	305.00	48.77
	19	180.70	33.71	213.31	39.49	245.93	44.30	260.94	51.05	284.09	48.64	293.22	49.12	302.20	49.60
	21	180.70	34.27	213.31	40.15	245.93	45.04	260.94	51.90	284.09	49.45	290.51	49.94	299.40	50.43
	23	180.70	34.83	213.31	40.80	245.93	45.78	260.94	52.75	284.09	50.26	287.79	50.76	296.60	51.25
	25	180.70	35.96	213.31	42.12	245.93	47.26	260.94	54.45	281.43	51.88	285.08	52.39	293.81	52.91
	27	180.70	36.52	213.31	42.78	245.93	48.00	260.94	55.30	278.78	52.69	282.36	53.21	291.01	53.73
	29	180.70	44.95	213.31	52.65	245.93	59.07	260.94	68.06	276.12	64.85	279.65	65.49	288.21	66.13
	31	180.70	50.56	213.31	59.23	245.93	66.46	260.94	76.57	273.47	72.96	276.93	73.68	285.41	74.40
	33	180.70	53.37	213.31	62.52	245.93	70.15	260.94	80.82	268.16	77.01	274.22	77.77	282.61	78.54
	35	180.70	56.18	213.31	65.81	245.93	73.84	260.94	85.08	265.50	81.06	271.50	81.87	279.81	82.67
	37	180.70	58.63	213.31	68.68	245.93	77.06	255.72	88.79	260.19	84.19	263.36	84.62	268.62	85.03
	39	180.70	60.68	213.31	71.08	245.93	79.75	253.89	91.88	257.54	87.14	260.64	88.25	263.03	88.87
	41	180.70	63.15	213.31	73.97	245.93	83.00	253.11	95.63	254.88	90.79	257.93	91.69	260.23	92.42
	43	180.70	66.30	213.31	77.66	245.93	87.13	250.50	100.39	252.23	95.65	255.21	96.44	258.83	96.89
	46	180.70	69.19	213.31	81.05	245.93	90.93	245.49	104.77	247.18	99.35	247.56	99.68	248.48	99.66
	48	180.70	71.60	213.31	83.87	245.93	94.10	243.73	108.42	244.66	102.83	245.00	103.96	243.30	104.15
	50	180.70	74.52	213.31	87.29	245.93	97.94	242.98	112.84	242.14	107.13	242.45	108.01	240.71	108.32

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	170.36	29.26	201.11	34.28	231.86	38.46	246.00	41.80	267.83	42.22	286.68	42.64	298.09	43.05
	12	170.36	29.79	201.11	34.90	231.86	39.16	246.00	42.56	267.83	42.99	286.68	43.41	295.45	43.84
	14	170.36	30.32	201.11	35.52	231.86	39.85	246.00	43.32	267.83	43.75	284.12	44.19	292.82	44.62
	16	170.36	30.86	201.11	36.15	231.86	40.55	246.00	44.08	267.83	44.52	281.56	44.96	290.18	45.40
	18	170.36	31.39	201.11	36.77	231.86	41.25	246.00	44.84	267.83	45.29	279.00	45.74	287.54	46.19
	19	170.36	31.92	201.11	37.39	231.86	41.95	246.00	45.60	267.83	46.06	276.44	46.51	284.90	46.97
	21	170.36	32.45	201.11	38.02	231.86	42.65	246.00	46.36	267.83	46.82	273.88	47.29	282.26	47.75
	23	170.36	32.98	201.11	38.64	231.86	43.35	246.00	47.12	267.83	47.59	271.32	48.06	279.63	48.53
	25	170.36	34.05	201.11	39.88	231.86	44.75	246.00	48.64	265.32	49.13	268.76	49.61	276.99	50.10
	27	170.36	34.58	201.11	40.51	231.86	45.45	246.00	49.40	262.82	49.89	266.20	50.39	274.35	50.88
	29	170.36	42.56	201.11	49.86	231.86	55.94	246.00	60.80	260.32	61.41	263.64	62.02	271.71	62.62
	31	170.36	47.88	201.11	56.09	231.86	62.93	246.00	68.40	257.81	69.08	261.08	69.77	269.07	70.45
	33	170.36	50.54	201.11	59.20	231.86	66.42	246.00	72.20	252.81	72.92	258.52	73.64	266.44	74.37
	35	170.36	53.20	201.11	62.32	231.86	69.92	246.00	76.00	250.31	76.76	255.96	77.52	263.80	78.28
	37	170.36	55.52	201.11	65.04	231.86	72.97	241.08	79.31	245.30	79.72	248.28	80.12	253.25	80.52
	39	170.36	57.46	201.11	67.31	231.86	75.51	239.36	82.08	242.80	82.52	245.72	83.57	247.97	84.15
	41	170.36	59.80	201.11	70.05	231.86	78.59	238.62	85.42	240.29	85.97	243.16	86.82	245.33	87.52
	43	170.36	62.78	201.11	73.54	231.86	82.51	236.16	89.68	237.79	90.58	240.61	91.32	244.01	91.74
	46	170.36	65.51	201.11	76.74	231.86	86.10	231.44	93.59	233.03	94.07	233.39	94.39	234.25	94.37
	48	170.36	67.80	201.11	79.42	231.86	89.11	229.78	96.85	230.66	97.37	230.98	98.44	229.37	98.62
	50	170.36	70.56	201.11	82.66	231.86	92.74	229.08	100.80	228.28	101.45	228.57	102.28	226.93	102.57
90%	10	153.32	24.56	180.99	28.77	208.67	32.28	221.40	37.19	241.04	35.44	258.01	35.79	268.28	36.14
	12	153.32	25.01	180.99	29.29	208.67	32.87	221.40	37.87	241.04	36.08	258.01	36.44	265.91	36.80
	14	153.32	25.45	180.99	29.82	208.67	33.45	221.40	38.54	241.04	36.73	255.71	37.09	263.53	37.45
	16	153.32	25.90	180.99	30.34	208.67	34.04	221.40	39.22	241.04	37.37	253.40	37.74	261.16	38.11
	18	153.32	26.35	180.99	30.86	208.67	34.63	221.40	39.90	241.04	38.01	251.10	38.39	258.79	38.77
	19	153.32	26.79	180.99	31.39	208.67	35.21	221.40	40.57	241.04	38.66	248.80	39.04	256.41	39.42
	21	153.32	27.24	180.99	31.91	208.67	35.80	221.40	41.25	241.04	39.30	246.49	39.69	254.04	40.08
	23	153.32	27.69	180.99	32.43	208.67	36.39	221.40	41.93	241.04	39.95	244.19	40.34	251.66	40.74
	25	153.32	28.58	180.99	33.48	208.67	37.56	221.40	43.28	238.79	41.24	241.89	41.64	249.29	42.05
	27	153.32	29.03	180.99	34.00	208.67	38.15	221.40	43.95	236.54	41.88	239.58	42.30	246.92	42.71
	29	153.32	35.72	180.99	41.85	208.67	46.95	221.40	54.10	234.29	51.55	237.28	52.06	244.54	52.57
	31	153.32	40.19	180.99	47.08	208.67	52.82	221.40	60.86	232.03	57.99	234.97	58.56	242.17	59.14
	33	153.32	42.42	180.99	49.70	208.67	55.76	221.40	64.24	227.53	61.21	232.67	61.82	239.79	62.42
	35	153.32	44.66	180.99	52.31	208.67	58.69	221.40	67.62	225.27	64.43	230.37	65.07	237.42	65.71
	37	153.32	46.60	180.99	54.59	208.67	61.25	216.97	70.57	220.77	66.92	223.46	67.26	227.92	67.59
	39	153.32	48.23	180.99	56.50	208.67	63.39	215.42	73.03	218.52	69.26	221.15	70.15	223.17	70.64
	41	153.32	50.19	180.99	58.80	208.67	65.97	214.76	76.01	216.26	72.16	218.85	72.88	220.80	73.46
	43	153.32	52.69	180.99	61.73	208.67	69.25	212.54	79.79	214.01	76.03	216.54	76.65	219.61	77.01
	46	153.32	54.99	180.99	64.42	208.67	72.27	208.29	83.27	209.73	78.96	210.05	79.23	210.83	79.21
	48	153.32	56.91	180.99	66.67	208.67	74.80	206.81	86.18	207.59	81.73	207.88	82.63	206.44	82.79
	50	153.32	59.23	180.99	69.38	208.67	77.84	206.17	89.69	205.45	85.15	205.72	85.85	204.24	86.10
80%	10	136.28	20.13	160.88	23.58	185.48	26.45	196.80	30.48	214.26	29.04	229.34	29.33	238.47	29.62
	12	136.28	20.49	160.88	24.01	185.48	26.93	196.80	31.03	214.26	29.57	229.34	29.86	236.36	30.15
	14	136.28	20.86	160.88	24.44	185.48	27.41	196.80	31.59	214.26	30.10	227.30	30.39	234.25	30.69
	16	136.28	21.23	160.88	24.86	185.48	27.90	196.80	32.14	214.26	30.62	225.25	30.93	232.14	31.23
	18	136.28	21.59	160.88	25.29	185.48	28.38	196.80	32.70	214.26	31.15	223.20	31.46	230.03	31.77
	19	136.28	21.96	160.88	25.72	185.48	28.86	196.80	33.25	214.26	31.68	221.15	31.99	227.92	32.31
	21	136.28	22.32	160.88	26.15	185.48	29.34	196.80	33.80	214.26	32.21	219.10	32.53	225.81	32.85
	23	136.28	22.69	160.88	26.58	185.48	29.82	196.80	34.36	214.26	32.74	217.06	33.06	223.70	33.39
	25	136.28	23.42	160.88	27.44	185.48	30.78	196.80	35.47	212.26	33.79	215.01	34.13	221.59	34.46
	27	136.28	23.79	160.88	27.86	185.48	31.26	196.80	36.02	210.26	34.32	212.96	34.66	219.48	35.00
	29	136.28	29.28	160.88	34.29	185.48	38.48	196.80	44.33	208.25	42.24	210.91	42.66	217.37	43.08
	31	136.28	32.94	160.88	38.58	185.48	43.29	196.80	49.87	206.25	47.52	208.87	47.99	215.26	48.46
	33	136.28	34.77	160.88	40.73	185.48	45.69	196.80	52.64	202.25	50.16	206.82	50.66	213.15	51.15
	35	136.28	36.60	160.88	42.87	185.48	48.10	196.80	55.42	200.24	52.80	204.77	53.32	211.04	53.85
	37	136.28	38.19	160.88	44.74	185.48	50.19	192.86	57.83	196.24	54.84	198.63	55.12	202.60	55.39
	39	136.28	39.52	160.88	46.30	185.48	51.94	191.49	59.85	194.24	56.76	196.58	57.48	198.38	57.89
	41	136.28	41.13	160.88	48.18	185.48	54.06	190.90	62.29	192.23	59.14	194.53	59.72	196.27	60.20
	43	136.28	43.18	160.88	50.58	185.48	56.75	188.93	65.39	190.23	62.31	192.48	62.82	195.21	63.11
	46	136.28	45.07	160.88	52.79	185.48	59.23	185.15	68.24	186.43	64.71	186.71	64.93	187.40	64.91
	48	136.28	46.64	160.88	54.63	185.48	61.29	183.83	70.62	184.52	66.98	184.78	67.72	183.50	67.84
	50	136.28	48.54	160.88	56.86	185.48	63.79	183.26	73.50	182.62	69.78	182.86	70.35	181.55	70.56

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	119.25	16.00	140.77	18.75	162.30	21.03	172.20	24.24	187.48	23.09	200.67	23.32	208.66	23.55
	12	119.25	16.30	140.77	19.09	162.30	21.42	172.20	24.68	187.48	23.51	200.67	23.74	206.82	23.98
	14	119.25	16.59	140.77	19.43	162.30	21.80	172.20	25.12	187.48	23.93	198.88	24.17	204.97	24.41
	16	119.25	16.88	140.77	19.77	162.30	22.18	172.20	25.56	187.48	24.35	197.09	24.59	203.12	24.83
	18	119.25	17.17	140.77	20.11	162.30	22.56	172.20	26.00	187.48	24.77	195.30	25.02	201.28	25.26
	19	119.25	17.46	140.77	20.45	162.30	22.95	172.20	26.44	187.48	25.19	193.51	25.44	199.43	25.69
	21	119.25	17.75	140.77	20.79	162.30	23.33	172.20	26.88	187.48	25.61	191.72	25.86	197.58	26.12
	23	119.25	18.04	140.77	21.13	162.30	23.71	172.20	27.32	187.48	26.03	189.92	26.29	195.74	26.55
	25	119.25	18.62	140.77	21.82	162.30	24.48	172.20	28.20	185.73	26.87	188.13	27.14	193.89	27.40
	27	119.25	18.91	140.77	22.16	162.30	24.86	172.20	28.64	183.97	27.29	186.34	27.56	192.05	27.83
	29	119.25	23.28	140.77	27.27	162.30	30.60	172.20	35.25	182.22	33.59	184.55	33.92	190.20	34.25
	31	119.25	26.19	140.77	30.68	162.30	34.42	172.20	39.66	180.47	37.79	182.76	38.16	188.35	38.54
	33	119.25	27.64	140.77	32.38	162.30	36.33	172.20	41.86	176.97	39.89	180.97	40.28	186.51	40.68
	35	119.25	29.10	140.77	34.09	162.30	38.24	172.20	44.06	175.21	41.99	179.17	42.40	184.66	42.82
	37	119.25	30.37	140.77	35.57	162.30	39.91	168.76	45.99	171.71	43.61	173.80	43.83	177.27	44.04
	39	119.25	31.43	140.77	36.81	162.30	41.30	167.55	47.59	169.96	45.13	172.01	45.71	173.58	46.03
	41	119.25	32.71	140.77	38.31	162.30	42.99	167.03	49.53	168.20	47.02	170.22	47.49	171.73	47.87
	43	119.25	34.34	140.77	40.22	162.30	45.13	165.31	52.00	166.45	49.54	168.42	49.95	170.81	50.18
	46	119.25	35.83	140.77	41.98	162.30	47.10	162.01	54.26	163.12	51.46	163.37	51.63	163.98	51.62
	48	119.25	37.08	140.77	43.44	162.30	48.74	160.85	56.16	161.46	53.26	161.69	53.84	160.56	53.94
	50	119.25	38.59	140.77	45.21	162.30	50.72	160.35	58.44	159.79	55.49	160.00	55.94	158.85	56.10
60%	10	102.21	12.15	120.66	14.23	139.11	15.97	147.60	18.39	160.70	17.53	172.01	17.70	178.86	17.87
	12	102.21	12.37	120.66	14.49	139.11	16.26	147.60	18.73	160.70	17.85	172.01	18.02	177.27	18.20
	14	102.21	12.59	120.66	14.75	139.11	16.55	147.60	19.06	160.70	18.16	170.47	18.34	175.69	18.52
	16	102.21	12.81	120.66	15.01	139.11	16.84	147.60	19.40	160.70	18.48	168.94	18.67	174.11	18.85
	18	102.21	13.03	120.66	15.26	139.11	17.13	147.60	19.73	160.70	18.80	167.40	18.99	172.52	19.17
	19	102.21	13.25	120.66	15.52	139.11	17.42	147.60	20.07	160.70	19.12	165.86	19.31	170.94	19.50
	21	102.21	13.47	120.66	15.78	139.11	17.71	147.60	20.40	160.70	19.44	164.33	19.63	169.36	19.82
	23	102.21	13.69	120.66	16.04	139.11	18.00	147.60	20.74	160.70	19.76	162.79	19.95	167.78	20.15
	25	102.21	14.14	120.66	16.56	139.11	18.58	147.60	21.40	159.19	20.39	161.26	20.60	166.19	20.80
	27	102.21	14.36	120.66	16.82	139.11	18.87	147.60	21.74	157.69	20.71	159.72	20.92	164.61	21.12
	29	102.21	17.67	120.66	20.70	139.11	23.22	147.60	26.76	156.19	25.49	158.19	25.75	163.03	26.00
	31	102.21	19.88	120.66	23.29	139.11	26.12	147.60	30.10	154.69	28.68	156.65	28.96	161.44	29.25
	33	102.21	20.98	120.66	24.58	139.11	27.58	147.60	31.77	151.68	30.27	155.11	30.57	159.86	30.87
	35	102.21	22.09	120.66	25.87	139.11	29.03	147.60	33.44	150.18	31.87	153.58	32.18	158.28	32.50
	37	102.21	23.05	120.66	27.00	139.11	30.29	144.65	34.90	147.18	33.10	148.97	33.26	151.95	33.43
	39	102.21	23.85	120.66	27.94	139.11	31.35	143.61	36.12	145.68	34.26	147.43	34.69	148.78	34.94
	41	102.21	24.82	120.66	29.08	139.11	32.63	143.17	37.59	144.18	35.69	145.90	36.04	147.20	36.33
	43	102.21	26.06	120.66	30.53	139.11	34.25	141.70	39.46	142.67	37.60	144.36	37.91	146.41	38.09
	46	102.21	27.20	120.66	31.86	139.11	35.75	138.86	41.19	139.82	39.05	140.03	39.18	140.55	39.18
	48	102.21	28.15	120.66	32.97	139.11	36.99	137.87	42.62	138.39	40.42	138.59	40.87	137.62	40.94
	50	102.21	29.29	120.66	34.31	139.11	38.50	137.45	44.36	136.97	42.12	137.14	42.46	136.16	42.58
50%	10	85.18	8.56	100.55	10.02	115.93	11.25	123.00	12.96	133.91	12.35	143.34	12.47	149.05	12.59
	12	85.18	8.71	100.55	10.21	115.93	11.45	123.00	13.19	133.91	12.57	143.34	12.69	147.73	12.82
	14	85.18	8.87	100.55	10.39	115.93	11.65	123.00	13.43	133.91	12.79	142.06	12.92	146.41	13.05
	16	85.18	9.02	100.55	10.57	115.93	11.86	123.00	13.66	133.91	13.02	140.78	13.15	145.09	13.28
	18	85.18	9.18	100.55	10.75	115.93	12.06	123.00	13.90	133.91	13.24	139.50	13.37	143.77	13.51
	19	85.18	9.33	100.55	10.93	115.93	12.27	123.00	14.13	133.91	13.47	138.22	13.60	142.45	13.73
	21	85.18	9.49	100.55	11.12	115.93	12.47	123.00	14.37	133.91	13.69	136.94	13.83	141.13	13.96
	23	85.18	9.65	100.55	11.30	115.93	12.68	123.00	14.61	133.91	13.92	135.66	14.05	139.81	14.19
	25	85.18	9.96	100.55	11.66	115.93	13.09	123.00	15.08	132.66	14.37	134.38	14.51	138.49	14.65
	27	85.18	10.11	100.55	11.85	115.93	13.29	123.00	15.31	131.41	14.59	133.10	14.73	137.18	14.88
	29	85.18	12.45	100.55	14.58	115.93	16.36	123.00	18.85	130.16	17.96	131.82	18.13	135.86	18.31
	31	85.18	14.00	100.55	16.40	115.93	18.40	123.00	21.20	128.91	20.20	130.54	20.40	134.54	20.60
	33	85.18	14.78	100.55	17.31	115.93	19.42	123.00	22.38	126.40	21.32	129.26	21.54	133.22	21.75
	35	85.18	15.56	100.55	18.22	115.93	20.45	123.00	23.56	125.15	22.45	127.98	22.67	131.90	22.89
	37	85.18	16.24	100.55	19.02	115.93	21.34	120.54	24.58	122.65	23.31	124.14	23.43	126.62	23.55
	39	85.18	16.80	100.55	19.68	115.93	22.08	119.68	25.44	121.40	24.13	122.86	24.44	123.99	24.61
	41	85.18	17.49	100.55	20.48	115.93	22.98	119.31	26.48	120.15	25.14	121.58	25.39	122.67	25.59
	43	85.18	18.36	100.55	21.50	115.93	24.13	118.08	27.80	118.89	26.49	120.30	26.70	122.01	26.83
	46	85.18	19.16	100.55	22.44	115.93	25.18	115.72	29.01	116.52	27.51	116.69	27.60	117.13	27.60
	48	85.18	19.83	100.55	23.22	115.93	26.06	114.89	30.02	115.33	28.47	115.49	28.79	114.69	28.84
	50	85.18	20.63	100.55	24.17	115.93	27.12	114.54	31.25	114.14	29.67	114.29	29.91	113.47	29.99

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°CDB)	Indoor air temperature (°C)													
		DB:20.8, WB:14		DB:23.3, WB:16		DB:25.8, WB:18		DB:27, WB:19		DB:28.2, WB:20		DB:30.7, WB:22		DB:32, WB:24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	10	68.14	6.78	80.44	7.95	92.74	8.91	98.40	10.27	107.13	9.79	114.67	9.88	119.24	9.98
	12	68.14	6.91	80.44	8.09	92.74	9.08	98.40	10.46	107.13	9.96	114.67	10.06	118.18	10.16
	14	68.14	7.03	80.44	8.23	92.74	9.24	98.40	10.64	107.13	10.14	113.65	10.24	117.13	10.34
	16	68.14	7.15	80.44	8.38	92.74	9.40	98.40	10.83	107.13	10.32	112.62	10.42	116.07	10.53
	18	68.14	7.28	80.44	8.52	92.74	9.56	98.40	11.02	107.13	10.50	111.60	10.60	115.02	10.71
	19	68.14	7.40	80.44	8.67	92.74	9.73	98.40	11.21	107.13	10.68	110.58	10.78	113.96	10.89
	21	68.14	7.52	80.44	8.81	92.74	9.89	98.40	11.39	107.13	10.85	109.55	10.96	112.91	11.07
	23	68.14	7.65	80.44	8.96	92.74	10.05	98.40	11.58	107.13	11.03	108.53	11.14	111.85	11.25
	25	68.14	7.89	80.44	9.25	92.74	10.37	98.40	11.95	106.13	11.39	107.50	11.50	110.80	11.61
	27	68.14	8.02	80.44	9.39	92.74	10.54	98.40	12.14	105.13	11.57	106.48	11.68	109.74	11.80
	29	68.14	9.87	80.44	11.56	92.74	12.97	98.40	14.94	104.13	14.24	105.46	14.38	108.68	14.52
	31	68.14	11.10	80.44	13.00	92.74	14.59	98.40	16.81	103.13	16.01	104.43	16.17	107.63	16.33
	33	68.14	11.72	80.44	13.72	92.74	15.40	98.40	17.74	101.12	16.90	103.41	17.07	106.57	17.24
	35	68.14	12.33	80.44	14.45	92.74	16.21	98.40	18.68	100.12	17.79	102.39	17.97	105.52	18.15
	37	68.14	12.87	80.44	15.08	92.74	16.92	96.43	19.49	98.12	18.48	99.31	18.57	101.30	18.67
	39	68.14	13.32	80.44	15.60	92.74	17.51	95.74	20.17	97.12	19.13	98.29	19.37	99.19	19.51
	41	68.14	13.86	80.44	16.24	92.74	18.22	95.45	20.99	96.12	19.93	97.27	20.13	98.13	20.29
	43	68.14	14.55	80.44	17.05	92.74	19.13	94.46	22.04	95.12	21.00	96.24	21.17	97.61	21.27
	46	68.14	15.19	80.44	17.79	92.74	19.96	92.57	23.00	93.21	21.81	93.35	21.88	93.70	21.88
	48	68.14	15.72	80.44	18.41	92.74	20.66	91.91	23.80	92.26	22.57	92.39	22.82	91.75	22.86
	50	68.14	16.36	80.44	19.16	92.74	21.50	91.63	24.77	91.31	23.52	91.43	23.71	90.77	23.78
30%	10	51.11	6.21	60.33	7.27	69.56	8.16	73.80	9.40	80.35	8.96	86.00	9.04	89.43	9.13
	12	51.11	6.32	60.33	7.40	69.56	8.31	73.80	9.57	80.35	9.12	86.00	9.21	88.64	9.30
	14	51.11	6.43	60.33	7.54	69.56	8.45	73.80	9.74	80.35	9.28	85.24	9.37	87.84	9.46
	16	51.11	6.55	60.33	7.67	69.56	8.60	73.80	9.91	80.35	9.44	84.47	9.54	87.05	9.63
	18	51.11	6.66	60.33	7.80	69.56	8.75	73.80	10.08	80.35	9.61	83.70	9.70	86.26	9.80
	19	51.11	6.77	60.33	7.93	69.56	8.90	73.80	10.25	80.35	9.77	82.93	9.87	85.47	9.96
	21	51.11	6.88	60.33	8.06	69.56	9.05	73.80	10.42	80.35	9.93	82.16	10.03	84.68	10.13
	23	51.11	7.00	60.33	8.20	69.56	9.20	73.80	10.59	80.35	10.10	81.40	10.20	83.89	10.30
	25	51.11	7.22	60.33	8.46	69.56	9.49	73.80	10.94	79.60	10.42	80.63	10.52	83.10	10.63
	27	51.11	7.34	60.33	8.59	69.56	9.64	73.80	11.11	78.85	10.58	79.86	10.69	82.31	10.79
	29	51.11	9.03	60.33	10.58	69.56	11.87	73.80	13.67	78.10	13.03	79.09	13.15	81.51	13.28
	31	51.11	10.16	60.33	11.90	69.56	13.35	73.80	15.38	77.34	14.65	78.32	14.80	80.72	14.94
	33	51.11	10.72	60.33	12.56	69.56	14.09	73.80	16.23	75.84	15.47	77.56	15.62	79.93	15.77
	35	51.11	11.28	60.33	13.22	69.56	14.83	73.80	17.09	75.09	16.28	76.79	16.44	79.14	16.60
	37	51.11	11.78	60.33	13.80	69.56	15.48	72.32	17.83	73.59	16.91	74.49	17.00	75.97	17.08
	39	51.11	12.19	60.33	14.28	69.56	16.02	71.81	18.46	72.84	17.50	73.72	17.73	74.39	17.85
	41	51.11	12.68	60.33	14.86	69.56	16.67	71.59	19.21	72.09	18.24	72.95	18.42	73.60	18.56
	43	51.11	13.32	60.33	15.60	69.56	17.50	70.85	20.16	71.34	19.21	72.18	19.37	73.20	19.46
	46	51.11	13.90	60.33	16.28	69.56	18.26	69.43	21.04	69.91	19.95	70.02	20.02	70.28	20.02
	48	51.11	14.38	60.33	16.85	69.56	18.90	68.94	21.78	69.20	20.65	69.29	20.88	68.81	20.92
	50	51.11	14.97	60.33	17.53	69.56	19.67	68.72	22.66	68.48	21.52	68.57	21.70	68.08	21.76
20%	10	34.07	3.59	40.22	4.21	46.37	4.72	49.20	5.44	53.57	5.18	57.34	5.23	59.62	5.28
	12	34.07	3.66	40.22	4.28	46.37	4.81	49.20	5.54	53.57	5.28	57.34	5.33	59.09	5.38
	14	34.07	3.72	40.22	4.36	46.37	4.89	49.20	5.64	53.57	5.37	56.82	5.42	58.56	5.48
	16	34.07	3.79	40.22	4.44	46.37	4.98	49.20	5.73	53.57	5.46	56.31	5.52	58.04	5.57
	18	34.07	3.85	40.22	4.51	46.37	5.06	49.20	5.83	53.57	5.56	55.80	5.61	57.51	5.67
	19	34.07	3.92	40.22	4.59	46.37	5.15	49.20	5.93	53.57	5.65	55.29	5.71	56.98	5.76
	21	34.07	3.98	40.22	4.67	46.37	5.23	49.20	6.03	53.57	5.75	54.78	5.80	56.45	5.86
	23	34.07	4.05	40.22	4.74	46.37	5.32	49.20	6.13	53.57	5.84	54.26	5.90	55.93	5.96
	25	34.07	4.18	40.22	4.89	46.37	5.49	49.20	6.33	53.06	6.03	53.75	6.09	55.40	6.15
	27	34.07	4.24	40.22	4.97	46.37	5.58	49.20	6.43	52.56	6.12	53.24	6.18	54.87	6.24
	29	34.07	5.22	40.22	6.12	46.37	6.86	49.20	7.91	52.06	7.54	52.73	7.61	54.34	7.69
	31	34.07	5.88	40.22	6.88	46.37	7.72	49.20	8.90	51.56	8.48	52.22	8.56	53.81	8.65
	33	34.07	6.20	40.22	7.27	46.37	8.15	49.20	9.39	50.56	8.95	51.70	9.04	53.29	9.13
	35	34.07	6.53	40.22	7.65	46.37	8.58	49.20	9.89	50.06	9.42	51.19	9.51	52.76	9.61
	37	34.07	6.81	40.22	7.98	46.37	8.96	48.22	10.32	49.06	9.78	49.66	9.83	50.65	9.88
	39	34.07	7.05	40.22	8.26	46.37	9.27	47.87	10.68	48.56	10.13	49.14	10.26	49.59	10.33
	41	34.07	7.34	40.22	8.60	46.37	9.65	47.72	11.11	48.06	10.55	48.63	10.66	49.07	10.74
	43	34.07	7.70	40.22	9.03	46.37	10.13	47.23	11.67	47.56	11.12	48.12	11.21	48.80	11.26
	46	34.07	8.04	40.22	9.42	46.37	10.57	46.29	12.18	46.61	11.55	46.68	11.58	46.85	11.58
	48	34.07	8.32	40.22	9.75	46.37	10.94	45.96	12.60	46.13	11.95	46.20	12.08	45.87	12.10
	50	34.07	8.66	40.22	10.14	46.37	11.38	45.82	13.11	45.66	12.45	45.71	12.55	45.39	12.59

Note: TC: Total capacity, PI: Power input.

Outdoor unit

- Specifications
- Accessories
- Recommended Combination Table
- Capacity Tables
- Dimension Drawing
- Center of Gravity
- System Diagram
- Electrical Wiring Diagram
- External Wiring Connection
- Sound Data
- Installation
- Operation Range

## 4-2. Heating capacity tables

### ■ TMR080ADB

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-19.8	-20	17.7	4.59	17.7	4.91	17.6	5.24	17.6	5.4	17.5	5.56	17.5	5.89
	-18.8	-19	18	4.69	17.9	5.01	17.9	5.34	17.8	5.5	17.8	5.64	17.7	5.97
	-16.7	-17	18.7	4.91	18.6	5.22	18.5	5.53	18.5	5.68	18.5	5.83	18.4	6.14
	-13.7	-15	19.5	5.14	19.4	5.43	19.3	5.73	19.3	5.88	19.2	6.02	19.2	6.32
	-11.8	-13	20.3	5.37	20.3	5.65	20.2	5.93	20.1	6.08	20.1	6.23	20	6.5
	-9.8	-11	21.2	5.6	21.1	5.88	21	6.14	21	6.28	21	6.42	21	6.69
	-9.5	-10	21.7	5.73	21.7	5.98	21.6	6.25	21.6	6.38	21.5	6.51	21.5	6.77
	-8.5	-9.1	22.2	5.82	22.1	6.08	22.1	6.34	22	6.47	22	6.6	21.9	6.86
	-7	-7.6	23	5.99	23	6.25	22.9	6.49	22.9	6.62	22.8	6.73	22.7	6.99
	-5	-5.6	24.2	6.23	24.1	6.46	24	6.69	24	6.82	23.9	6.92	23.9	7.16
	-3	-3.7	25.3	6.43	25.2	6.65	25.2	6.87	25.1	6.99	25.1	7.1	25	7.31
	0	-0.7	27.3	6.73	27.3	6.94	27.2	7.14	27.2	7.23	27.1	7.36	27.1	7.57
	3	2.2	29.5	7.02	29.4	7.21	29.3	7.4	29.3	7.49	29.3	7.6	29.2	7.78
	5	4.1	31	7.19	30.9	7.38	30.9	7.56	30.8	7.65	30.8	7.74	30.7	7.92
	7	6	32.5	7.37	32.4	7.53	32.4	7.7	32.4	7.79	32.4	7.87	31.1	7.57
120%	9	7.9	34.2	7.51	34.1	7.68	34.1	7.84	34	7.93	33.3	7.76	31.1	7.1
	11	9.8	35.9	7.66	35.8	7.82	35.7	7.92	34.4	7.61	33.3	7.29	31.1	6.69
	13	11.8	37.8	7.81	37.8	7.96	35.7	7.42	34.4	7.12	33.3	6.85	31.1	6.28
	15	13.7	39.7	7.95	37.9	7.54	35.7	6.99	34.4	6.72	33.3	6.45	31.1	5.93
	-19.8	-20	17.7	5.03	17.6	5.33	17.5	5.63	17.5	5.77	17.5	5.93	17.4	6.23
	-18.8	-19	17.9	5.13	17.8	5.42	17.8	5.72	17.7	5.86	17.7	6.01	17.7	6.31
	-16.7	-17	18.6	5.33	18.5	5.61	18.4	5.89	18.4	6.03	18.4	6.18	18.4	6.46
	-13.7	-15	19.4	5.54	19.3	5.81	19.2	6.08	19.2	6.23	19.2	6.35	19.1	6.63
	-11.8	-13	20.2	5.75	20.2	6.01	20.1	6.27	20.1	6.4	20	6.53	20	6.8
	-9.8	-11	21.1	5.97	21	6.21	21	6.47	21	6.6	21	6.71	20.9	6.97
	-9.5	-10	21.7	6.08	21.6	6.32	21.5	6.56	21.5	6.69	21.5	6.81	21.4	7.05
	-8.5	-9.1	22.1	6.17	22	6.4	22	6.65	21.9	6.76	21.9	6.89	21.8	7.12
	-7	-7.6	22.9	6.33	22.9	6.56	22.8	6.79	22.8	6.9	22.7	7.02	22.7	7.24
	-5	-5.6	24.1	6.53	24	6.75	23.9	6.98	23.9	7.08	23.9	7.2	23.8	7.4
	-3	-3.7	25.2	6.73	25.2	6.94	25.1	7.14	25.1	7.24	25.1	7.36	25.1	7.56
	0	-0.7	27.2	7.02	27.2	7.21	27.1	7.4	27.1	7.49	27.1	7.59	27.1	7.78
110%	3	2.2	29.4	7.28	29.3	7.45	29.3	7.63	29.2	7.73	29.2	7.81	28.6	7.77
	5	4.1	30.9	7.44	30.8	7.61	30.8	7.78	30.7	7.86	30.7	7.95	28.6	7.29
	7	6	32.4	7.59	32.4	7.75	32.4	7.91	31.8	7.8	30.8	7.48	28.6	6.86
	9	7.9	34.1	7.74	34	7.9	32.9	7.63	31.8	7.32	30.8	7.03	28.6	6.46
	11	9.8	35.8	7.87	35	7.74	32.9	7.18	31.8	6.9	30.8	6.62	28.6	6.09
	13	11.8	37.1	7.8	35	7.26	32.9	6.73	31.8	6.48	30.8	6.23	28.6	5.73
	15	13.7	37.1	7.35	35	6.84	32.9	6.35	31.8	6.1	30.8	5.87	28.6	5.4
	-19.8	-20	17.6	5.47	17.5	5.74	17.4	6.01	17.4	6.15	17.4	6.29	17.3	6.56
	-18.8	-19	17.8	5.56	17.7	5.82	17.7	6.1	17.7	6.23	17.7	6.36	17.7	6.64
	-16.7	-17	18.5	5.74	18.4	6	18.7	6.27	18.4	6.39	18.4	6.52	18.3	6.77
	-13.7	-15	19.3	5.94	19.2	6.18	19.1	6.44	19.1	6.56	19.1	6.69	19	6.93
	-11.8	-13	20.1	6.14	20.1	6.37	20	6.61	20	6.73	19.9	6.85	19.9	7.09
	-9.8	-11	21	6.33	21	6.56	21	6.79	20.9	6.9	20.9	7.02	20.9	7.24
	-9.5	-10	21.6	6.44	21.5	6.65	21.4	6.88	21.4	6.99	21.4	7.1	21.3	7.32
	-8.5	-9.1	22	6.52	21.9	6.73	21.9	6.95	21.8	7.07	21.8	7.18	21.8	7.54
	-7	-7.6	22.8	6.67	22.8	6.87	22.7	7.08	22.7	7.19	22.7	7.29	22.6	7.5
	-5	-5.6	24	6.86	23.9	7.06	23.8	7.25	23.8	7.36	23.8	7.45	23.7	7.66
	-3	-3.7	25.1	7.03	25.1	7.22	25.1	7.41	25.1	7.5	25	7.6	25	7.79
	0	-0.7	27.1	7.29	27.1	7.47	27.1	7.65	27.1	7.74	27.1	7.82	26.3	7.67
	3	2.2	29.3	7.54	29.2	7.69	29.2	7.86	29.1	7.94	28.2	7.61	26.3	6.99
	5	4.1	30.8	7.68	30.8	7.84	30.2	7.77	29.1	7.45	28.2	7.16	26.3	6.56
	7	6	32.4	7.82	32.1	7.87	30.2	7.29	29.1	7.01	28.2	6.73	26.3	6.18
	9	7.9	34	7.95	32.1	7.4	30.2	6.86	29.1	6.6	28.2	6.33	26.3	5.82
	11	9.8	34	7.48	32.1	6.97	30.2	6.46	29.1	6.21	28.2	5.97	26.3	5.5
	13	11.8	34	7.02	32.1	6.53	30.2	6.07	29.1	5.84	28.2	5.61	26.3	5.18
	15	13.7	34	6.23	32.1	6.16	30.2	5.73	29.1	5.52	28.2	5.31	26.3	4.89

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	17.5	5.91	17.4	6.15	17.4	6.4	17.3	6.53	17.3	6.65	17.2	6.9
	-18.8	-19	17.7	5.98	17.7	6.23	17.7	6.48	17.7	6.61	17.6	6.73	17.6	6.98
	-16.7	-17	18.4	6.15	18.3	6.39	18.3	6.63	18.3	6.74	18.3	6.86	18.3	7.1
	-13.7	-15	19.2	6.33	19.1	6.56	19	6.79	19	6.9	19	7.02	19	7.24
	-11.8	-13	20	6.52	20	6.73	19.9	6.94	19.9	7.06	19.9	7.17	19.8	7.39
	-9.8	-11	21	6.69	20.9	6.9	20.9	7.11	20.9	7.22	20.8	7.31	20.8	7.53
	-9.5	-10	21.5	6.79	21.4	6.99	21.4	7.19	21.3	7.29	21.3	7.4	21.2	7.6
	-8.5	-9.1	21.9	6.86	21.8	7.07	21.8	7.26	21.8	7.36	21.7	7.46	21.7	7.65
	-7	-7.6	22.7	7	22.7	7.19	22.6	7.38	22.6	7.48	22.6	7.57	22.5	7.77
	-5	-5.6	23.9	7.18	23.8	7.36	23.8	7.54	23.7	7.62	23.7	7.72	23.7	7.91
	-3	-3.7	25.1	7.33	25.1	6.66	25	7.68	25	7.77	25	7.85	23.9	7.53
	0	-0.7	27.1	7.57	27.1	7.74	27	7.9	26.5	7.77	25.7	7.44	23.9	6.83
	3	2.2	29.2	7.79	29.1	7.94	27.4	7.35	26.5	7.06	25.7	6.77	23.9	6.23
	5	4.1	30.7	7.94	29.1	7.45	27.4	6.9	26.5	6.65	25.7	6.38	23.9	5.87
	7	6	30.9	7.53	29.1	7.01	27.4	6.5	26.5	6.26	25.7	6.01	23.9	5.53
90%	9	7.9	30.9	7.07	29.1	6.6	27.4	6.12	26.5	5.81	25.7	5.67	23.9	5.22
	11	9.8	30.9	6.66	29.1	6.21	27.4	5.77	26.5	5.56	25.7	5.35	23.9	4.93
	13	11.8	30.9	6.26	29.1	5.84	27.4	5.43	26.5	5.23	25.7	5.04	23.9	4.65
	15	13.7	30.9	5.9	29.1	5.52	27.4	5.14	26.5	4.95	25.7	4.76	23.9	4.41
	-19.8	-20	17.4	6.35	17.3	6.56	17.3	6.8	17.2	6.9	17.2	7.02	17.2	7.24
	-18.8	-19	17.6	6.42	17.6	6.65	17.5	6.86	17.5	6.98	17.5	7.08	17.5	7.3
	-16.7	-17	18.3	6.57	18.2	6.79	18.2	7	18.2	7.1	18.1	7.21	18.1	7.42
	-13.7	-15	19.1	6.73	19	6.94	19	7.14	18.9	7.24	18.9	7.35	18.9	7.55
	-11.8	-13	19.9	6.9	19.9	7.09	19.8	7.28	19.8	7.39	19.8	7.48	19.7	7.67
	-9.8	-11	20.8	7.06	20.8	7.24	20.8	7.43	20.8	7.53	20.8	7.62	20.7	7.81
	-9.5	-10	21.4	7.14	21.3	7.32	21.3	7.5	21.2	7.6	21.2	7.69	21.2	7.86
	-8.5	-9.1	21.8	7.22	21.8	7.4	21.7	7.57	21.7	7.65	21.7	7.75	21.4	7.82
	-7	-7.6	22.6	7.33	22.6	7.5	22.5	7.68	22.5	7.77	22.5	7.85	21.4	7.47
	-5	-5.6	23.8	7.49	23.7	7.65	23.7	7.82	23.6	7.91	23	7.65	21.4	7.02
	-3	-3.7	24.9	7.64	24.9	7.79	24.7	7.82	23.8	7.51	23	7.21	21.4	6.62
	0	-0.7	27	7.86	26.2	7.66	24.7	7.1	23.8	6.82	23	6.55	21.4	6.01
80%	3	2.2	27.8	7.48	26.2	6.98	24.7	6.47	23.8	6.23	23	5.97	21.4	5.51
	5	4.1	27.8	7.04	26.2	6.56	24.7	6.1	23.8	5.86	23	5.64	21.4	5.19
	7	6	27.8	6.62	26.2	6.18	24.7	5.74	23.8	5.53	23	5.32	21.4	4.9
	9	7.9	27.8	6.24	26.2	5.81	24.7	5.41	23.8	5.22	23	5.02	21.4	4.64
	11	9.8	27.8	5.88	26.2	5.49	24.7	5.12	23.8	4.93	23	4.75	21.4	4.39
	13	11.8	27.8	5.53	26.2	5.18	24.7	4.82	23.8	4.65	23	4.48	21.4	4.14
	15	13.7	27.8	5.22	26.2	4.88	24.7	4.57	23.8	4.41	23	4.25	21.4	3.93
	-19.8	-20	17.3	6.79	17.2	6.99	17.2	7.19	17.2	7.28	17.1	7.39	17.1	7.58
	-18.8	-19	17.6	6.85	17.6	7.05	17.5	7.24	17.5	7.35	17.5	7.44	17.4	7.64
	-16.7	-17	18.3	6.99	18.2	7.18	18.2	7.37	18.2	7.46	18.2	7.56	18.1	7.74
	-13.7	-15	19	7.13	19	7.31	19	7.49	19	7.58	18.9	7.67	18.9	7.86
	-11.8	-13	19.8	7.27	19.8	7.45	19.7	7.62	19.7	7.7	19.7	7.8	19.1	7.59
	-9.8	-11	20.8	7.42	20.8	7.59	20.7	7.76	20.7	7.83	20.5	7.82	19.1	7.17
	-9.5	-10	21.3	7.49	21.2	7.65	21.2	7.82	21.2	7.91	20.5	7.59	19.1	6.95
	-8.5	-9.1	21.7	7.57	21.2	7.73	21.7	7.87	21.2	7.69	20.5	7.39	19.1	6.77
	-7	-7.6	22.5	7.67	22.5	7.82	21.9	7.65	21.2	7.36	20.5	7.06	19.1	6.48
	-5	-5.6	23.7	7.81	23.3	7.77	21.9	7.19	21.2	6.91	20.5	6.64	19.1	6.1
	-3	-3.7	24.7	7.85	23.3	7.31	21.9	6.77	21.2	6.52	20.5	6.26	19.1	5.76
	0	-0.7	24.7	7.12	23.3	6.64	21.9	6.16	21.2	5.93	20.5	5.7	19.1	5.25
	3	2.2	24.7	6.49	23.3	6.06	21.9	5.63	21.2	5.42	20.5	5.22	19.1	4.81
	5	4.1	24.7	6.11	23.3	5.71	21.9	5.31	21.2	5.12	20.5	4.93	19.1	4.54
	7	6	24.7	5.76	23.3	5.39	21.9	5.01	21.2	4.84	20.5	4.66	19.1	4.3
	9	7.9	24.7	5.43	23.3	5.08	21.9	4.73	21.2	4.57	20.5	4.41	19.1	4.08
	11	9.8	24.7	5.14	23.3	4.8	21.9	4.48	21.2	4.32	20.5	4.17	19.1	3.87
	13	11.8	24.7	4.84	23.3	4.53	21.9	4.24	21.2	4.09	20.5	3.94	19.1	3.66
	15	13.7	24.7	4.58	23.3	4.3	21.9	4.02	21.2	3.88	20.5	3.74	19.1	3.48

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	17.2	7.23	17.1	7.4	17.1	7.57	17.1	7.65	17.1	7.75	16.7	7.66
	-18.8	-19	17.4	7.28	17.4	7.45	17.4	7.62	17.4	7.7	17.4	7.8	16.7	7.5
	-16.7	-17	18.1	7.4	18.1	7.57	18.1	7.74	18.1	7.82	17.9	6.97	16.7	7.16
	-13.7	-15	18.9	7.53	18.8	7.69	18.8	7.85	18.5	7.74	17.9	7.42	16.7	6.81
	-11.8	-13	19.7	7.65	19.7	7.81	19.2	7.62	18.5	7.32	17.9	7.03	16.7	6.45
	-9.8	-11	20.7	7.78	20.4	7.78	19.2	7.2	18.5	6.92	17.9	6.65	16.7	6.1
	-9.5	-10	21.2	7.85	20.4	7.55	19.2	6.99	18.5	6.72	17.9	6.46	16.7	5.93
	-8.5	-9.1	21.6	7.9	20.4	7.35	19.2	6.81	18.5	6.54	17.9	6.29	16.7	5.78
	-7	-7.6	21.6	7.54	20.4	7.02	19.2	6.51	18.5	6.27	17.9	6.01	16.7	5.54
	-5	-5.6	21.6	7.08	20.4	6.61	19.2	6.13	18.5	5.89	17.9	6.97	16.7	5.22
	-3	-3.7	21.6	6.67	20.4	6.23	19.2	5.78	18.5	5.56	17.9	5.35	16.7	4.94
	0	-0.7	21.6	6.07	20.4	5.68	19.2	5.27	18.5	5.08	17.9	4.89	16.7	4.52
	3	2.2	21.6	5.55	20.4	5.19	19.2	4.84	18.5	4.66	17.9	4.49	16.7	4.15
	5	4.1	21.6	5.23	20.4	4.89	19.2	4.58	18.5	4.41	17.9	4.25	16.7	3.93
	7	6	21.6	4.95	20.4	4.63	19.2	4.32	18.5	4.17	17.9	4.03	16.7	3.73
	9	7.9	21.6	4.67	20.4	4.39	19.2	4.09	18.5	3.95	17.9	3.82	16.7	3.54
60%	11	9.8	21.6	4.42	20.4	4.14	19.2	3.88	18.5	3.75	17.9	3.63	16.7	3.36
	13	11.8	21.6	4.17	20.4	3.92	19.2	3.67	18.5	3.55	17.9	3.42	16.7	3.19
	15	13.7	21.6	3.96	20.4	3.72	19.2	3.49	18.5	3.37	17.9	3.26	16.7	3.04
	-19.8	-20	17.1	7.66	17	7.81	16.4	7.51	15.9	7.22	15.4	6.93	14.3	6.35
	-18.8	-19	17.4	7.72	17.4	7.86	16.4	7.36	15.9	7.06	15.4	6.77	14.3	6.23
	-16.7	-17	18.1	7.82	17.5	7.57	16.4	7.02	15.9	6.74	15.4	6.48	14.3	5.95
	-13.7	-15	18.5	7.74	17.5	7.19	16.4	6.67	15.9	6.42	15.4	6.16	14.3	5.67
	-11.8	-13	18.5	7.31	17.5	6.81	16.4	6.32	15.9	6.09	15.4	5.84	14.3	5.41
	-9.8	-11	18.5	6.91	17.5	6.44	16.4	5.98	15.9	5.76	15.4	5.54	14.3	5.1
	-9.5	-10	18.5	6.72	17.5	6.27	16.4	5.81	15.9	5.6	15.4	5.39	14.3	4.97
	-8.5	-9.1	18.5	6.54	17.5	6.1	16.4	5.68	15.9	5.46	15.4	5.25	14.3	4.84
	-7	-7.6	18.5	6.26	17.5	5.84	16.4	5.43	15.9	5.23	15.4	5.03	14.3	4.65
	-5	-5.6	18.5	5.89	17.5	5.51	16.4	5.13	15.9	4.94	15.4	4.76	14.3	4.4
	-3	-3.7	18.5	5.56	17.5	5.2	16.4	4.84	15.9	4.67	15.4	4.5	14.3	4.16
	0	-0.7	18.5	5.08	17.5	4.76	16.4	4.44	15.9	4.29	15.4	4.13	14.3	3.83
	3	2.2	18.5	4.66	17.5	4.38	16.4	4.09	15.9	3.94	15.4	3.8	14.3	3.53
50%	5	4.1	18.5	4.41	17.5	4.13	16.4	3.87	15.9	3.74	15.4	3.6	14.3	3.35
	7	6	18.5	4.17	17.5	3.92	16.4	3.67	15.9	3.54	15.4	3.42	14.3	3.18
	9	7.9	18.5	3.95	17.5	3.71	16.4	3.48	15.9	3.37	15.4	3.24	14.3	3.03
	11	9.8	18.5	3.75	17.5	3.53	16.4	3.31	15.9	3.2	15.4	3.09	14.3	2.89
	13	11.8	18.5	3.54	17.5	3.34	16.4	3.14	15.9	3.04	15.4	2.94	14.3	2.75
	15	13.7	18.5	3.37	17.5	3.17	16.4	2.99	15.9	2.9	15.4	2.8	14.3	2.62
	-19.8	-20	15.4	6.98	14.6	6.49	13.7	6.02	13.2	5.8	12.7	5.58	11.9	5.14
	-18.8	-19	15.4	6.82	14.6	6.35	13.7	5.91	13.2	5.69	12.7	5.46	11.9	5.04
	-16.7	-17	15.4	6.51	14.6	6.07	13.7	5.64	13.2	5.43	12.7	5.23	11.9	4.83
	-13.7	-15	15.4	6.19	14.6	5.78	13.7	5.38	13.2	5.18	12.7	4.99	11.9	4.61
	-11.8	-13	15.4	5.89	14.6	5.5	13.7	5.12	13.2	4.93	12.7	4.75	11.9	4.39
	-9.8	-11	15.4	5.57	14.6	5.21	13.7	4.85	13.2	4.67	12.7	4.5	11.9	4.17
	-9.5	-10	15.4	5.42	14.6	5.06	13.7	4.72	13.2	4.56	12.7	4.39	11.9	4.06
	-8.5	-9.1	15.4	5.28	14.6	4.95	13.7	4.61	13.2	4.45	12.7	4.29	11.9	3.96
	-7	-7.6	15.4	5.06	14.6	4.75	13.7	4.42	13.2	4.27	12.7	4.12	11.9	3.82
	-5	-5.6	15.4	4.78	14.6	4.48	13.7	4.19	13.2	4.05	12.7	3.9	11.9	3.61
	-3	-3.7	15.4	4.52	14.6	4.25	13.7	3.96	13.2	3.84	12.7	3.7	11.9	3.43
	0	-0.7	15.4	4.15	14.6	3.9	13.7	3.66	13.2	3.53	12.7	3.41	11.9	3.17
	3	2.2	15.4	3.83	14.6	3.59	13.7	3.37	13.2	3.26	12.7	3.15	11.9	2.94
	5	4.1	15.4	3.63	14.6	3.41	13.7	3.2	13.2	3.1	12.7	3	11.9	2.79
	7	6	15.4	3.45	14.6	3.24	13.7	3.04	13.2	2.95	12.7	2.85	11.9	2.66
	9	7.9	15.4	3.27	14.6	3.09	13.7	2.9	13.2	2.81	12.7	2.72	11.9	2.54
	11	9.8	15.4	3.11	14.6	2.93	13.7	2.76	13.2	2.67	12.7	2.59	11.9	2.42
	13	11.8	15.4	2.96	14.6	2.79	13.7	2.62	13.2	2.55	12.7	2.46	11.9	2.31
	15	13.7	15.4	2.81	14.6	2.66	13.7	2.5	13.2	2.43	12.7	2.36	11.9	2.21

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	12.3	5.3	11.7	4.93	11	4.58	10.5	4.41	10.2	4.24	9.5	3.9
	-18.8	-19	12.3	5.18	11.7	4.83	11	4.49	10.5	4.32	10.2	4.15	9.5	3.83
	-16.7	-17	12.3	4.95	11.7	4.61	11	4.29	10.5	4.13	10.2	3.98	9.5	3.67
	-13.7	-15	12.3	4.71	11.7	4.39	11	4.09	10.5	3.94	10.2	3.79	9.5	3.5
	-11.8	-13	12.3	4.47	11.7	4.18	11	3.89	10.5	3.74	10.2	3.61	9.5	3.33
	-9.8	-11	12.3	4.23	11.7	3.96	11	3.69	10.5	3.55	10.2	3.42	9.5	3.17
	-9.5	-10	12.3	4.12	11.7	3.85	11	3.59	10.5	3.46	10.2	3.33	9.5	3.08
	-8.5	-9.1	12.3	4.02	11.7	3.76	11	3.5	10.5	3.38	10.2	3.26	9.5	3.01
	-7	-7.6	12.3	3.85	11.7	3.61	11	3.36	10.5	3.25	10.2	3.13	9.5	2.9
	-5	-5.6	12.3	3.63	11.7	3.41	11	3.18	10.5	3.08	10.2	2.96	9.5	2.75
	-3	-3.7	12.3	3.44	11.7	3.23	11	3.01	10.5	2.92	10.2	2.81	9.5	2.61
	0	-0.7	12.3	3.16	11.7	2.96	11	2.78	10.5	2.68	10.2	2.59	9.5	2.41
	3	2.2	12.3	2.91	11.7	2.73	11	2.56	10.5	2.47	10.2	2.39	9.5	2.23
	5	4.1	12.3	2.76	11.7	2.59	11	2.43	10.5	2.35	10.2	2.28	9.5	2.12
	7	6	12.3	2.62	11.7	2.47	11	2.31	10.5	2.24	10.2	2.17	9.5	2.02
30%	9	7.9	12.3	2.48	11.7	2.35	11	2.2	10.5	2.14	10.2	2.06	9.5	1.93
	11	9.8	12.3	2.36	11.7	2.23	11	2.1	10.5	2.03	10.2	1.97	9.5	1.84
	13	11.8	12.3	2.25	11.7	2.12	11	1.99	10.5	1.94	10.2	1.87	9.5	1.76
	15	13.7	12.3	2.14	11.7	2.02	11	1.9	10.5	1.85	10.2	1.79	9.5	1.68
	-19.8	-20	9.3	3.89	8.7	3.62	8.2	2.69	7.9	3.24	7.6	3.11	7.1	2.87
	-18.8	-19	9.3	3.8	8.7	3.54	8.2	2.64	7.9	3.17	7.6	3.05	7.1	2.81
	-16.7	-17	9.3	3.63	8.7	3.39	8.2	2.52	7.9	3.03	7.6	2.92	7.1	2.7
	-13.7	-15	9.3	3.46	8.7	3.23	8.2	2.4	7.9	2.89	7.6	2.78	7.1	2.57
	-11.8	-13	9.3	3.28	8.7	3.07	8.2	2.28	7.9	2.75	7.6	2.65	7.1	2.45
	-9.8	-11	9.3	3.11	8.7	2.91	8.2	2.17	7.9	2.61	7.6	2.51	7.1	2.33
	-9.5	-10	9.3	3.03	8.7	2.82	8.2	2.11	7.9	2.54	7.6	2.45	7.1	2.26
	-8.5	-9.1	9.3	2.95	8.7	2.76	8.2	2.06	7.9	2.48	7.6	2.39	7.1	2.21
	-7	-7.6	9.3	2.82	8.7	2.65	8.2	1.97	7.9	2.38	7.6	2.3	7.1	2.13
	-5	-5.6	9.3	2.67	8.7	2.5	8.2	1.87	7.9	2.26	7.6	2.18	7.1	2.02
	-3	-3.7	9.3	2.52	8.7	2.37	8.2	1.77	7.9	2.14	7.6	2.06	7.1	1.92
	0	-0.7	9.3	2.32	8.7	2.18	8.2	1.63	7.9	1.97	7.6	1.9	7.1	1.77
20%	3	2.2	9.3	2.13	8.7	2.01	8.2	1.51	7.9	1.82	7.6	1.76	7.1	1.64
	5	4.1	9.3	2.02	8.7	1.9	8.2	1.43	7.9	1.73	7.6	1.67	7.1	1.56
	7	6	9.3	1.92	8.7	1.81	8.2	1.36	7.9	1.65	7.6	1.59	7.1	1.49
	9	7.9	9.3	1.82	8.7	1.72	8.2	1.29	7.9	1.57	7.6	1.52	7.1	1.42
	11	9.8	9.3	1.73	8.7	1.63	8.2	1.23	7.9	1.49	7.6	1.44	7.1	1.35
	13	11.8	9.3	1.65	8.7	1.56	8.2	1.17	7.9	1.42	7.6	1.37	7.1	1.29
	15	13.7	9.3	1.57	8.7	1.49	8.2	1.12	7.9	1.36	7.6	1.32	7.1	1.23
	-19.8	-20	6.2	2.51	5.8	2.34	5.5	2.17	5.3	2.09	5.1	2.01	4.8	1.85
	-18.8	-19	6.2	2.45	5.8	2.29	5.5	2.13	5.3	2.05	5.1	1.97	4.8	1.81
	-16.7	-17	6.2	2.34	5.8	2.18	5.5	2.03	5.3	1.96	5.1	1.88	4.8	1.74
	-13.7	-15	6.2	2.23	5.8	2.08	5.5	1.94	5.3	1.86	5.1	1.8	4.8	1.66
	-11.8	-13	6.2	2.12	5.8	1.98	5.5	1.84	5.3	1.77	5.1	1.71	4.8	1.58
	-9.8	-11	6.2	2.01	5.8	1.88	5.5	1.75	5.3	1.68	5.1	1.62	4.8	1.5
	-9.5	-10	6.2	1.95	5.8	1.82	5.5	1.7	5.3	1.64	5.1	1.58	4.8	1.46
	-8.5	-9.1	6.2	1.9	5.8	1.78	5.5	1.66	5.3	1.6	5.1	1.54	4.8	1.43
	-7	-7.6	6.2	1.82	5.8	1.71	5.5	1.59	5.3	1.54	5.1	1.48	4.8	1.37
	-5	-5.6	6.2	1.72	5.8	1.61	5.5	1.51	5.3	1.46	5.1	1.4	4.8	1.3
	-3	-3.7	6.2	1.63	5.8	1.53	5.5	1.43	5.3	1.38	5.1	1.33	4.8	1.24
	0	-0.7	6.2	1.5	5.8	1.4	5.5	1.32	5.3	1.27	5.1	1.23	4.8	1.14
	3	2.2	6.2	1.38	5.8	1.29	5.5	1.21	5.3	1.17	5.1	1.13	4.8	1.06
	5	4.1	6.2	1.31	5.8	1.23	5.5	1.15	5.3	1.11	5.1	1.08	4.8	1
	7	6	6.2	1.24	5.8	1.17	5.5	1.1	5.3	1.06	5.1	1.03	4.8	0.96
	9	7.9	6.2	1.18	5.8	1.11	5.5	1.04	5.3	1.01	5.1	0.98	4.8	0.91
	11	9.8	6.2	1.12	5.8	1.05	5.5	0.99	5.3	0.96	5.1	0.93	4.8	0.87
	13	11.8	6.2	1.07	5.8	1	5.5	0.94	5.3	0.92	5.1	0.89	4.8	0.83
	15	13.7	6.2	1.01	5.8	0.96	5.5	0.9	5.3	0.88	5.1	0.86	4.8	0.8

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR100ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	20.4	5.29	20.3	5.67	20.2	6.05	20.2	6.23	20.1	6.41	20.1	6.79
	-18.8	-19	20.7	5.41	20.6	5.78	20.6	6.16	20.5	6.34	20.5	6.51	20.4	6.89
	-16.7	-17	21.5	5.67	21.4	6.02	21.3	6.38	21.3	6.55	21.3	6.73	21.2	7.09
	-13.7	-15	22.4	5.93	22.3	6.27	22.2	6.61	22.2	6.78	22.1	6.95	22.1	7.29
	-11.8	-13	23.3	6.2	23.3	6.52	23.2	6.84	23.1	7.01	23.1	7.18	23	7.5
	-9.8	-11	24.4	6.46	24.3	6.78	24.2	7.09	24.2	7.24	24.2	7.4	24.1	7.72
	-9.5	-10	25	6.61	24.9	6.9	24.8	7.21	24.8	7.37	24.7	7.51	24.7	7.82
	-8.5	-9.1	25.5	6.72	25.4	7.01	25.4	7.32	25.3	7.46	25.3	7.61	25.2	7.91
	-7	-7.6	26.4	6.91	26.4	7.21	26.3	7.49	26.3	7.63	26.2	7.77	26.1	8.06
	-5	-5.6	27.8	7.18	27.7	7.45	27.6	7.72	27.6	7.87	27.5	7.99	27.5	8.26
	-3	-3.7	29.1	7.41	29	7.67	29	7.93	28.9	8.06	28.9	8.2	28.8	8.44
	0	-0.7	31.4	7.77	31.4	8.01	31.3	8.24	31.3	8.34	31.2	8.49	31.2	8.73
	3	2.2	33.9	8.1	33.8	8.32	33.7	8.54	33.7	8.65	33.7	8.77	33.6	8.98
	5	4.1	35.6	8.29	35.5	8.51	35.5	8.72	35.4	8.83	35.4	8.93	35.3	9.13
	7	6	37.4	8.5	37.3	8.68	37.3	8.89	37.2	8.99	37.2	9.09	35.7	8.73
	9	7.9	39.3	8.67	39.2	8.87	39.2	9.05	39.1	9.15	38.3	8.95	35.7	8.2
120%	11	9.8	41.3	8.84	41.2	9.02	41	9.13	39.6	8.78	38.3	8.41	35.7	7.72
	13	11.8	43.5	9.01	43.4	9.18	41	8.56	39.6	8.22	38.3	7.9	35.7	7.24
	15	13.7	45.6	9.17	43.6	8.7	41	8.06	39.6	7.76	38.3	7.44	35.7	6.84
	-19.8	-20	20.3	5.8	20.2	6.15	20.1	6.5	20.1	6.66	20.1	6.84	20	7.18
	-18.8	-19	20.6	5.91	20.5	6.26	20.5	6.6	20.4	6.76	20.4	6.94	20.3	7.28
	-16.7	-17	21.4	6.15	21.3	6.48	21.2	6.79	21.2	6.96	21.2	7.13	21.1	7.45
	-13.7	-15	22.3	6.39	22.2	6.71	22.1	7.01	22.1	7.18	22.1	7.33	22	7.65
	-11.8	-13	23.2	6.63	23.2	6.94	23.1	7.23	23.1	7.39	23	7.54	23	7.84
	-9.8	-11	24.3	6.89	24.2	7.17	24.2	7.46	24.1	7.61	24.1	7.74	24	8.04
	-9.5	-10	24.9	7.01	24.8	7.29	24.7	7.57	24.7	7.72	24.7	7.85	24.6	8.13
	-8.5	-9.1	25.4	7.12	25.3	7.39	25.3	7.67	25.2	7.8	25.2	7.95	25.1	8.22
	-7	-7.6	26.3	7.3	26.3	7.57	26.2	7.83	26.2	7.96	26.1	8.1	26.1	8.35
	-5	-5.6	27.7	7.54	27.6	7.79	27.5	8.05	27.5	8.17	27.5	8.3	27.4	8.54
	-3	-3.7	29	7.77	29	8.01	28.9	8.24	28.9	8.35	28.8	8.49	28.8	8.72
	0	-0.7	31.3	8.1	31.3	8.32	31.2	8.54	31.2	8.65	31.1	8.76	31.1	8.98
	3	2.2	33.8	8.4	33.7	8.6	33.7	8.8	33.6	8.91	33.6	9.01	32.9	8.96
	5	4.1	35.5	8.59	35.4	8.78	35.4	8.98	35.3	9.07	35.3	9.17	32.9	8.41
110%	7	6	37.3	8.76	37.3	8.94	37.2	9.12	36.6	9	35.4	8.63	32.9	7.91
	9	7.9	39.2	8.93	39.1	9.11	37.8	8.8	36.6	8.45	35.4	8.11	32.9	7.45
	11	9.8	41.2	9.09	40.2	8.93	37.8	8.28	36.6	7.96	35.4	7.63	32.9	7.02
	13	11.8	42.7	9	40.2	8.38	37.8	7.77	36.6	7.48	35.4	7.18	32.9	6.61
	15	13.7	42.7	8.48	40.2	7.89	37.8	7.33	36.6	7.04	35.4	6.77	32.9	6.23
	-19.8	-20	20.2	6.32	20.1	6.62	20	6.94	20	7.1	20	7.26	19.9	7.57
	-18.8	-19	20.5	6.41	20.4	6.72	20.4	7.04	20.4	7.18	20.3	7.34	20.3	7.66
	-16.7	-17	21.3	6.62	21.2	6.93	21.5	7.23	21.1	7.38	21.1	7.52	21	7.82
	-13.7	-15	22.2	6.85	22.1	7.13	22	7.43	22	7.57	22	7.72	21.9	8
	-11.8	-13	23.1	7.09	23.1	7.35	23	7.62	23	7.77	22.9	7.9	22.9	8.18
	-9.8	-11	24.2	7.3	24.1	7.57	24.1	7.83	24	7.96	24	8.1	24	8.35
	-9.5	-10	24.8	7.43	24.7	7.67	24.6	7.94	24.6	8.06	24.6	8.2	24.5	8.45
	-8.5	-9.1	25.3	7.52	25.2	7.77	25.2	8.02	25.1	8.16	25.1	8.28	25.1	7.55
	-7	-7.6	26.2	7.7	26.2	7.93	26.1	8.17	26.1	8.29	26.1	8.41	26	8.66
	-5	-5.6	27.6	7.91	27.5	8.15	27.4	8.37	27.4	8.49	27.4	8.6	27.3	8.84
	-3	-3.7	28.9	8.11	28.9	8.33	28.8	8.55	28.8	8.66	28.7	8.77	28.7	8.99
	0	-0.7	31.2	8.41	31.2	8.62	31.1	8.83	31.1	8.93	31.1	9.02	30.2	8.85
	3	2.2	33.7	8.7	33.6	8.88	33.6	9.07	33.5	9.16	32.4	8.78	30.2	8.06
	5	4.1	35.4	8.87	35.4	9.05	34.7	8.96	33.5	8.6	32.4	8.26	30.2	7.57
	7	6	37.2	9.02	36.9	9.09	34.7	8.41	33.5	8.09	32.4	7.77	30.2	7.13
	9	7.9	39.1	9.17	36.9	8.54	34.7	7.91	33.5	7.61	32.4	7.3	30.2	6.72
	11	9.8	39.1	8.63	36.9	8.04	34.7	7.45	33.5	7.17	32.4	6.89	30.2	6.34
	13	11.8	39.1	8.1	36.9	7.54	34.7	7	33.5	6.74	32.4	6.48	30.2	5.98
	15	13.7	39.1	7.18	36.9	7.11	34.7	6.61	33.5	6.37	32.4	6.12	30.2	5.65

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	20.1	6.82	20	7.1	20	7.39	19.9	7.54	19.9	7.67	19.8	7.96
	-18.8	-19	20.4	6.9	20.4	7.18	20.3	7.48	20.3	7.62	20.2	7.77	20.2	8.05
	-16.7	-17	21.2	7.1	21.1	7.38	21.1	7.65	21	7.78	21	7.91	21	8.2
	-13.7	-15	22.1	7.3	22	7.57	21.9	7.83	21.9	7.96	21.9	8.1	21.8	8.35
	-11.8	-13	23	7.52	23	7.77	22.9	8.01	22.9	8.15	22.9	8.27	22.8	8.52
	-9.8	-11	24.1	7.72	24	7.96	24	8.21	24	8.33	23.9	8.44	23.9	8.68
	-9.5	-10	24.7	7.83	24.6	8.06	24.6	8.29	24.5	8.41	24.5	8.54	24.4	8.77
	-8.5	-9.1	25.2	7.91	25.1	8.16	25.1	8.38	25.1	8.49	25	8.61	25	8.83
	-7	-7.6	26.1	8.07	26.1	8.29	26	8.51	26	8.63	26	8.73	25.9	8.96
	-5	-5.6	27.5	8.28	27.4	8.49	27.4	8.7	27.3	8.79	27.3	8.9	27.2	9.12
	-3	-3.7	28.8	8.46	28.8	7.68	28.7	8.87	28.7	8.96	28.7	9.06	27.5	8.68
	0	-0.7	31.1	8.73	31.1	8.93	31	9.11	30.5	8.96	29.5	8.59	27.5	7.88
	3	2.2	33.6	8.99	33.5	9.16	31.5	8.48	30.5	8.15	29.5	7.82	27.5	7.18
	5	4.1	35.3	9.16	33.5	8.6	31.5	7.96	30.5	7.67	29.5	7.37	27.5	6.77
	7	6	35.5	8.68	33.5	8.09	31.5	7.5	30.5	7.22	29.5	6.94	27.5	6.38
	9	7.9	35.5	8.16	33.5	7.61	31.5	7.06	30.5	6.71	29.5	6.54	27.5	6.02
90%	11	9.8	35.5	7.68	33.5	7.17	31.5	6.66	30.5	6.41	29.5	6.17	27.5	5.68
	13	11.8	35.5	7.22	33.5	6.74	31.5	6.27	30.5	6.04	29.5	5.82	27.5	5.37
	15	13.7	35.5	6.8	33.5	6.37	31.5	5.93	30.5	5.71	29.5	5.49	27.5	5.09
	-19.8	-20	20	7.33	19.9	7.57	19.9	7.84	19.8	7.96	19.8	8.1	19.8	8.35
	-18.8	-19	20.3	7.4	20.3	7.67	20.2	7.91	20.2	8.05	20.2	8.17	20.1	8.43
	-16.7	-17	21.1	7.59	21	7.83	21	8.07	21	8.2	20.9	8.32	20.9	8.56
	-13.7	-15	22	7.77	21.9	8.01	21.9	8.24	21.8	8.35	21.8	8.48	21.8	8.71
	-11.8	-13	22.9	7.96	22.9	8.18	22.8	8.4	22.8	8.52	22.8	8.63	22.7	8.85
	-9.8	-11	24	8.15	24	8.35	23.9	8.57	23.9	8.68	23.9	8.79	23.8	9.01
	-9.5	-10	24.6	8.24	24.5	8.45	24.5	8.66	24.4	8.77	24.4	8.88	24.4	9.07
	-8.5	-9.1	25.1	8.33	25.1	8.54	25	8.73	25	8.83	25	8.94	24.7	9.02
	-7	-7.6	26	8.46	26	8.66	25.9	8.87	25.9	8.96	25.9	9.06	24.7	8.62
	-5	-5.6	27.3	8.65	27.3	8.83	27.3	9.02	27.1	9.12	26.4	8.83	24.7	8.1
	-3	-3.7	28.7	8.82	28.7	8.99	28.4	9.02	27.3	8.67	26.4	8.32	24.7	7.63
	0	-0.7	31	9.07	30.1	8.84	28.4	8.2	27.3	7.87	26.4	7.56	24.7	6.94
	3	2.2	31.9	8.63	30.1	8.05	28.4	7.46	27.3	7.18	26.4	6.89	24.7	6.35
80%	5	4.1	31.9	8.12	30.1	7.57	28.4	7.04	27.3	6.76	26.4	6.51	24.7	5.99
	7	6	31.9	7.63	30.1	7.13	28.4	6.62	27.3	6.38	26.4	6.13	24.7	5.66
	9	7.9	31.9	7.2	30.1	6.71	28.4	6.24	27.3	6.02	26.4	5.79	24.7	5.35
	11	9.8	31.9	6.78	30.1	6.33	28.4	5.9	27.3	5.68	26.4	5.48	24.7	5.06
	13	11.8	31.9	6.38	30.1	5.98	28.4	5.56	27.3	5.37	26.4	5.17	24.7	4.78
	15	13.7	31.9	6.02	30.1	5.63	28.4	5.27	27.3	5.09	26.4	4.9	24.7	4.54
	-19.8	-20	19.9	7.83	19.8	8.06	19.8	8.29	19.8	8.4	19.7	8.52	19.7	8.74
	-18.8	-19	20.2	7.9	20.2	8.13	20.1	8.35	20.1	8.48	20.1	8.59	20	8.82
	-16.7	-17	21	8.06	20.9	8.28	20.9	8.5	20.9	8.61	20.9	8.72	20.8	8.93
	-13.7	-15	21.9	8.23	21.8	8.44	21.8	8.65	21.8	8.74	21.7	8.85	21.7	9.07
	-11.8	-13	22.8	8.39	22.8	8.6	22.7	8.79	22.7	8.89	22.7	9	22	8.76
	-9.8	-11	23.9	8.56	23.9	8.76	23.8	8.95	23.8	9.04	23.6	9.02	22	8.27
	-9.5	-10	24.5	8.65	24.4	8.83	24.4	9.02	24.4	9.12	23.6	8.76	22	8.02
	-8.5	-9.1	25	8.73	23.2	8.91	24.9	9.09	24.4	8.88	23.6	8.52	22	7.82
	-7	-7.6	25.9	8.85	25.9	9.02	25.2	8.83	24.4	8.49	23.6	8.15	22	7.48
	-5	-5.6	27.3	9.01	26.8	8.96	25.2	8.29	24.4	7.98	23.6	7.66	22	7.04
	-3	-3.7	28.4	9.06	26.8	8.44	25.2	7.82	24.4	7.52	23.6	7.22	22	6.65
	0	-0.7	28.4	8.22	26.8	7.66	25.2	7.11	24.4	6.84	23.6	6.57	22	6.06
	3	2.2	28.4	7.49	26.8	6.99	25.2	6.5	24.4	6.26	23.6	6.02	22	5.55
	5	4.1	28.4	7.05	26.8	6.59	25.2	6.12	24.4	5.9	23.6	5.68	22	5.24
	7	6	28.4	6.65	26.8	6.22	25.2	5.78	24.4	5.59	23.6	5.38	22	4.96
	9	7.9	28.4	6.27	26.8	5.87	25.2	5.46	24.4	5.27	23.6	5.09	22	4.71
	11	9.8	28.4	5.93	26.8	5.54	25.2	5.17	24.4	4.99	23.6	4.82	22	4.46
	13	11.8	28.4	5.59	26.8	5.23	25.2	4.89	24.4	4.72	23.6	4.55	22	4.22
	15	13.7	28.4	5.28	26.8	4.96	25.2	4.63	24.4	4.48	23.6	4.32	22	4.01

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	19.8	8.34	19.7	8.54	19.7	8.73	19.7	8.83	19.7	8.94	19.2	8.84
	-18.8	-19	20.1	8.4	20.1	8.6	20	8.79	20	8.89	20	9	19.2	8.66
	-16.7	-17	20.8	8.54	20.8	8.73	20.8	8.93	20.8	9.02	20.6	8.04	19.2	8.26
	-13.7	-15	21.7	8.68	21.7	8.88	21.7	9.06	21.3	8.93	20.6	8.56	19.2	7.85
	-11.8	-13	22.6	8.83	22.6	9.01	22.1	8.79	21.3	8.45	20.6	8.11	19.2	7.44
	-9.8	-11	23.7	8.98	23.5	8.98	22.1	8.3	21.3	7.99	20.6	7.67	19.2	7.04
	-9.5	-10	24.3	9.06	23.5	8.71	22.1	8.06	21.3	7.76	20.6	7.45	19.2	6.84
	-8.5	-9.1	24.8	9.11	23.5	8.48	22.1	7.85	21.3	7.55	20.6	7.26	19.2	6.67
	-7	-7.6	24.8	8.7	23.5	8.1	22.1	7.51	21.3	7.23	20.6	6.94	19.2	6.39
	-5	-5.6	24.8	8.17	23.5	7.62	22.1	7.07	21.3	6.79	20.6	8.04	19.2	6.02
	-3	-3.7	24.8	7.7	23.5	7.18	22.1	6.67	21.3	6.41	20.6	6.17	19.2	5.7
	0	-0.7	24.8	7	23.5	6.55	22.1	6.09	21.3	5.87	20.6	5.65	19.2	5.22
	3	2.2	24.8	6.4	23.5	5.99	22.1	5.59	21.3	5.38	20.6	5.18	19.2	4.79
	5	4.1	24.8	6.04	23.5	5.65	22.1	5.28	21.3	5.09	20.6	4.9	19.2	4.54
	7	6	24.8	5.71	23.5	5.34	22.1	4.99	21.3	4.82	20.6	4.65	19.2	4.3
	9	7.9	24.8	5.39	23.5	5.06	22.1	4.72	21.3	4.56	20.6	4.4	19.2	4.09
60%	11	9.8	24.8	5.1	23.5	4.78	22.1	4.48	21.3	4.33	20.6	4.18	19.2	3.88
	13	11.8	24.8	4.82	23.5	4.52	22.1	4.23	21.3	4.1	20.6	3.95	19.2	3.68
	15	13.7	24.8	4.57	23.5	4.29	22.1	4.02	21.3	3.89	20.6	3.76	19.2	3.51
	-19.8	-20	19.7	8.84	19.6	9.01	18.9	8.67	18.3	8.33	17.7	8	16.5	7.33
	-18.8	-19	20	8.9	20	9.07	18.9	8.49	18.3	8.15	17.7	7.82	16.5	7.18
	-16.7	-17	20.8	9.02	20.1	8.73	18.9	8.1	18.3	7.78	17.7	7.48	16.5	6.87
	-13.7	-15	21.3	8.93	20.1	8.29	18.9	7.7	18.3	7.4	17.7	7.11	16.5	6.54
	-11.8	-13	21.3	8.44	20.1	7.85	18.9	7.29	18.3	7.02	17.7	6.74	16.5	6.24
	-9.8	-11	21.3	7.98	20.1	7.43	18.9	6.9	18.3	6.65	17.7	6.39	16.5	5.89
	-9.5	-10	21.3	7.76	20.1	7.23	18.9	6.71	18.3	6.46	17.7	6.22	16.5	5.73
	-8.5	-9.1	21.3	7.55	20.1	7.04	18.9	6.55	18.3	6.3	17.7	6.06	16.5	5.59
	-7	-7.6	21.3	7.22	20.1	6.74	18.9	6.27	18.3	6.04	17.7	5.8	16.5	5.37
	-5	-5.6	21.3	6.79	20.1	6.35	18.9	5.91	18.3	5.7	17.7	5.49	16.5	5.07
	-3	-3.7	21.3	6.41	20.1	6	18.9	5.59	18.3	5.39	17.7	5.2	16.5	4.8
	0	-0.7	21.3	5.87	20.1	5.49	18.9	5.12	18.3	4.95	17.7	4.77	16.5	4.41
	3	2.2	21.3	5.38	20.1	5.05	18.9	4.72	18.3	4.55	17.7	4.39	16.5	4.07
50%	5	4.1	21.3	5.09	20.1	4.77	18.9	4.46	18.3	4.32	17.7	4.16	16.5	3.87
	7	6	21.3	4.82	20.1	4.52	18.9	4.23	18.3	4.09	17.7	3.95	16.5	3.67
	9	7.9	21.3	4.56	20.1	4.28	18.9	4.01	18.3	3.89	17.7	3.74	16.5	3.5
	11	9.8	21.3	4.33	20.1	4.07	18.9	3.82	18.3	3.7	17.7	3.56	16.5	3.33
	13	11.8	21.3	4.09	20.1	3.85	18.9	3.62	18.3	3.51	17.7	3.39	16.5	3.17
	15	13.7	21.3	3.89	20.1	3.66	18.9	3.45	18.3	3.34	17.7	3.23	16.5	3.02
	-19.8	-20	17.7	8.05	16.7	7.49	15.8	6.95	15.2	6.7	14.7	6.44	13.7	5.93
	-18.8	-19	17.7	7.87	16.7	7.33	15.8	6.82	15.2	6.56	14.7	6.3	13.7	5.82
	-16.7	-17	17.7	7.51	16.7	7	15.8	6.51	15.2	6.27	14.7	6.04	13.7	5.57
	-13.7	-15	17.7	7.15	16.7	6.67	15.8	6.21	15.2	5.98	14.7	5.76	13.7	5.32
	-11.8	-13	17.7	6.79	16.7	6.34	15.8	5.9	15.2	5.68	14.7	5.48	13.7	5.06
	-9.8	-11	17.7	6.43	16.7	6.01	15.8	5.6	15.2	5.39	14.7	5.2	13.7	4.82
	-9.5	-10	17.7	6.26	16.7	5.84	15.8	5.45	15.2	5.26	14.7	5.06	13.7	4.68
	-8.5	-9.1	17.7	6.1	16.7	5.71	15.8	5.32	15.2	5.13	14.7	4.95	13.7	4.57
	-7	-7.6	17.7	5.84	16.7	5.48	15.8	5.1	15.2	4.93	14.7	4.76	13.7	4.4
	-5	-5.6	17.7	5.51	16.7	5.17	15.8	4.83	15.2	4.67	14.7	4.5	13.7	4.17
	-3	-3.7	17.7	5.22	16.7	4.9	15.8	4.57	15.2	4.43	14.7	4.27	13.7	3.96
	0	-0.7	17.7	4.79	16.7	4.5	15.8	4.22	15.2	4.07	14.7	3.94	13.7	3.66
	3	2.2	17.7	4.41	16.7	4.15	15.8	3.89	15.2	3.76	14.7	3.63	13.7	3.39
	5	4.1	17.7	4.18	16.7	3.94	15.8	3.7	15.2	3.57	14.7	3.46	13.7	3.22
	7	6	17.7	3.98	16.7	3.74	15.8	3.51	15.2	3.4	14.7	3.29	13.7	3.07
	9	7.9	17.7	3.77	16.7	3.56	15.8	3.34	15.2	3.24	14.7	3.13	13.7	2.93
	11	9.8	17.7	3.59	16.7	3.38	15.8	3.18	15.2	3.09	14.7	2.99	13.7	2.79
	13	11.8	17.7	3.41	16.7	3.22	15.8	3.02	15.2	2.94	14.7	2.84	13.7	2.67
	15	13.7	17.7	3.24	16.7	3.07	15.8	2.89	15.2	2.8	14.7	2.72	13.7	2.55

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	14.2	6.12	13.4	5.69	12.6	5.28	12.1	5.09	11.7	4.89	10.9	4.5
	-18.8	-19	14.2	5.98	13.4	5.57	12.6	5.18	12.1	4.99	11.7	4.79	10.9	4.42
	-16.7	-17	14.2	5.71	13.4	5.32	12.6	4.95	12.1	4.76	11.7	4.59	10.9	4.24
	-13.7	-15	14.2	5.43	13.4	5.07	12.6	4.72	12.1	4.54	11.7	4.37	10.9	4.04
	-11.8	-13	14.2	5.16	13.4	4.82	12.6	4.49	12.1	4.32	11.7	4.16	10.9	3.85
	-9.8	-11	14.2	4.88	13.4	4.57	12.6	4.25	12.1	4.1	11.7	3.95	10.9	3.66
	-9.5	-10	14.2	4.75	13.4	4.44	12.6	4.14	12.1	3.99	11.7	3.85	10.9	3.56
	-8.5	-9.1	14.2	4.63	13.4	4.34	12.6	4.04	12.1	3.9	11.7	3.76	10.9	3.48
	-7	-7.6	14.2	4.44	13.4	4.16	12.6	3.87	12.1	3.74	11.7	3.61	10.9	3.35
	-5	-5.6	14.2	4.19	13.4	3.93	12.6	3.67	12.1	3.55	11.7	3.42	10.9	3.17
	-3	-3.7	14.2	3.97	13.4	3.73	12.6	3.48	12.1	3.36	11.7	3.24	10.9	3.01
	0	-0.7	14.2	3.64	13.4	3.42	12.6	3.21	12.1	3.1	11.7	2.99	10.9	2.78
	3	2.2	14.2	3.36	13.4	3.15	12.6	2.96	12.1	2.85	11.7	2.76	10.9	2.58
	5	4.1	14.2	3.18	13.4	2.99	12.6	2.81	12.1	2.72	11.7	2.63	10.9	2.45
	7	6	14.2	3.02	13.4	2.85	12.6	2.67	12.1	2.59	11.7	2.5	10.9	2.34
30%	9	7.9	14.2	2.86	13.4	2.71	12.6	2.54	12.1	2.47	11.7	2.38	10.9	2.22
	11	9.8	14.2	2.72	13.4	2.57	12.6	2.42	12.1	2.34	11.7	2.27	10.9	2.12
	13	11.8	14.2	2.6	13.4	2.45	12.6	2.3	12.1	2.23	11.7	2.16	10.9	2.03
	15	13.7	14.2	2.47	13.4	2.34	12.6	2.2	12.1	2.13	11.7	2.07	10.9	1.94
	-19.8	-20	10.6	4.49	10	4.18	9.5	3.1	9.1	3.74	8.8	3.59	8.2	3.31
	-18.8	-19	10.6	4.39	10	4.09	9.5	3.04	9.1	3.66	8.8	3.52	8.2	3.25
	-16.7	-17	10.6	4.19	10	3.91	9.5	2.91	9.1	3.5	8.8	3.37	8.2	3.11
	-13.7	-15	10.6	3.99	10	3.72	9.5	2.77	9.1	3.33	8.8	3.21	8.2	2.97
	-11.8	-13	10.6	3.79	10	3.54	9.5	2.63	9.1	3.17	8.8	3.06	8.2	2.82
	-9.8	-11	10.6	3.59	10	3.35	9.5	2.5	9.1	3.01	8.8	2.9	8.2	2.69
	-9.5	-10	10.6	3.49	10	3.26	9.5	2.43	9.1	2.93	8.8	2.82	8.2	2.61
	-8.5	-9.1	10.6	3.4	10	3.18	9.5	2.37	9.1	2.86	8.8	2.76	8.2	2.55
	-7	-7.6	10.6	3.26	10	3.06	9.5	2.28	9.1	2.75	8.8	2.65	8.2	2.46
	-5	-5.6	10.6	3.08	10	2.89	9.5	2.16	9.1	2.61	8.8	2.51	8.2	2.33
	-3	-3.7	10.6	2.91	10	2.74	9.5	2.04	9.1	2.47	8.8	2.38	8.2	2.21
	0	-0.7	10.6	2.67	10	2.51	9.5	1.88	9.1	2.27	8.8	2.2	8.2	2.04
20%	3	2.2	10.6	2.46	10	2.31	9.5	1.74	9.1	2.1	8.8	2.03	8.2	1.89
	5	4.1	10.6	2.33	10	2.2	9.5	1.65	9.1	1.99	8.8	1.93	8.2	1.8
	7	6	10.6	2.22	10	2.09	9.5	1.57	9.1	1.9	8.8	1.84	8.2	1.71
	9	7.9	10.6	2.1	10	1.99	9.5	1.49	9.1	1.81	8.8	1.75	8.2	1.63
	11	9.8	10.6	2	10	1.88	9.5	1.42	9.1	1.72	8.8	1.67	8.2	1.56
	13	11.8	10.6	1.91	10	1.8	9.5	1.35	9.1	1.64	8.8	1.59	8.2	1.49
	15	13.7	10.6	1.81	10	1.71	9.5	1.29	9.1	1.57	8.8	1.52	8.2	1.42
	-19.8	-20	7.1	2.9	6.7	2.7	6.3	2.5	6.1	2.41	5.9	2.32	5.5	2.13
	-18.8	-19	7.1	2.83	6.7	2.64	6.3	2.45	6.1	2.36	5.9	2.27	5.5	2.09
	-16.7	-17	7.1	2.7	6.7	2.52	6.3	2.34	6.1	2.26	5.9	2.17	5.5	2.01
	-13.7	-15	7.1	2.57	6.7	2.4	6.3	2.23	6.1	2.15	5.9	2.07	5.5	1.91
	-11.8	-13	7.1	2.45	6.7	2.28	6.3	2.12	6.1	2.05	5.9	1.97	5.5	1.82
	-9.8	-11	7.1	2.31	6.7	2.16	6.3	2.02	6.1	1.94	5.9	1.87	5.5	1.73
	-9.5	-10	7.1	2.25	6.7	2.1	6.3	1.96	6.1	1.89	5.9	1.82	5.5	1.69
	-8.5	-9.1	7.1	2.2	6.7	2.05	6.3	1.91	6.1	1.85	5.9	1.78	5.5	1.65
	-7	-7.6	7.1	2.1	6.7	1.97	6.3	1.84	6.1	1.77	5.9	1.71	5.5	1.58
	-5	-5.6	7.1	1.98	6.7	1.86	6.3	1.74	6.1	1.68	5.9	1.62	5.5	1.5
	-3	-3.7	7.1	1.88	6.7	1.76	6.3	1.65	6.1	1.59	5.9	1.54	5.5	1.43
	0	-0.7	7.1	1.73	6.7	1.62	6.3	1.52	6.1	1.47	5.9	1.42	5.5	1.32
	3	2.2	7.1	1.59	6.7	1.49	6.3	1.4	6.1	1.35	5.9	1.31	5.5	1.22
	5	4.1	7.1	1.51	6.7	1.42	6.3	1.33	6.1	1.29	5.9	1.25	5.5	1.16
	7	6	7.1	1.43	6.7	1.35	6.3	1.26	6.1	1.22	5.9	1.19	5.5	1.11
	9	7.9	7.1	1.36	6.7	1.28	6.3	1.2	6.1	1.17	5.9	1.13	5.5	1.05
	11	9.8	7.1	1.29	6.7	1.22	6.3	1.15	6.1	1.11	5.9	1.08	5.5	1.01
	13	11.8	7.1	1.23	6.7	1.16	6.3	1.09	6.1	1.06	5.9	1.02	5.5	0.96
	15	13.7	7.1	1.17	6.7	1.11	6.3	1.04	6.1	1.01	5.9	2.72	5.5	0.92

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR120ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	24.3	6.56	24.2	7.03	24.1	7.5	24.1	7.73	23.9	7.95	23.9	8.42
	-18.8	-19	24.6	6.71	24.5	7.17	24.5	7.64	24.4	7.86	24.4	8.08	24.3	8.54
	-16.7	-17	25.6	7.03	25.5	7.47	25.4	7.91	25.4	8.12	25.4	8.35	25.2	8.79
	-13.7	-15	26.7	7.35	26.6	7.77	26.4	8.2	26.4	8.41	26.3	8.62	26.3	9.04
	-11.8	-13	27.7	7.68	27.7	8.09	27.6	8.48	27.5	8.7	27.5	8.91	27.4	9.3
	-9.8	-11	29.1	8.01	28.9	8.41	28.8	8.79	28.8	8.98	28.8	9.18	28.7	9.57
	-9.5	-10	29.8	8.2	29.6	8.56	29.5	8.94	29.5	9.13	29.4	9.32	29.4	9.69
	-8.5	-9.1	30.4	8.33	30.2	8.7	30.2	9.07	30.1	9.25	30.1	9.44	30	9.81
	-7	-7.6	31.4	8.57	31.4	8.94	31.3	9.28	31.3	9.47	31.2	9.63	31.1	10
	-5	-5.6	33.1	8.91	33	9.24	32.9	9.57	32.9	9.75	32.7	9.9	32.7	10.24
	-3	-3.7	34.6	9.19	34.5	9.51	34.5	9.83	34.4	10	34.4	10.16	34.3	10.46
	0	-0.7	37.4	9.63	37.4	9.94	37.3	10.22	37.3	10.34	37.1	10.52	37.1	10.83
	3	2.2	40.3	10.04	40.2	10.31	40.1	10.59	40.1	10.72	40.1	10.87	40	11.13
	5	4.1	42.4	10.28	42.3	10.56	42.3	10.81	42.1	10.95	42.1	11.07	42	11.33
	7	6	44.5	10.54	44.4	10.77	44.4	11.02	44.3	11.14	44.3	11.27	42.5	10.83
	9	7.9	46.8	10.75	46.7	10.99	46.7	11.22	46.5	11.34	45.6	11.1	42.5	10.16
120%	11	9.8	49.2	10.96	49	11.19	48.8	11.33	47.1	10.89	45.6	10.43	42.5	9.57
	13	11.8	51.8	11.18	51.7	11.39	48.8	10.62	47.1	10.19	45.6	9.8	42.5	8.98
	15	13.7	54.3	11.37	51.9	10.78	48.8	10	47.1	9.62	45.6	9.22	42.5	8.48
	-19.8	-20	24.2	7.2	24	7.62	23.9	8.06	23.9	8.26	23.9	8.48	23.8	8.91
	-18.8	-19	24.5	7.33	24.4	7.76	24.4	8.18	24.3	8.38	24.3	8.6	24.2	9.03
	-16.7	-17	25.5	7.62	25.4	8.03	25.2	8.42	25.2	8.63	25.2	8.85	25.1	9.24
	-13.7	-15	26.6	7.92	26.4	8.32	26.3	8.7	26.3	8.91	26.3	9.09	26.2	9.48
	-11.8	-13	27.6	8.23	27.6	8.6	27.5	8.97	27.5	9.16	27.4	9.35	27.4	9.72
	-9.8	-11	28.9	8.54	28.8	8.89	28.8	9.25	28.7	9.44	28.7	9.6	28.6	9.97
	-9.5	-10	29.7	8.7	29.5	9.04	29.4	9.39	29.4	9.57	29.4	9.74	29.3	10.09
	-8.5	-9.1	30.2	8.83	30.1	9.16	30.1	9.51	30	9.68	30	9.86	29.9	10.19
	-7	-7.6	31.3	9.06	31.3	9.39	31.2	9.71	31.2	9.87	31.1	10.04	31.1	10.36
	-5	-5.6	33	9.35	32.9	9.66	32.7	9.98	32.7	10.13	32.7	10.3	32.6	10.59
	-3	-3.7	34.5	9.63	34.5	9.94	34.4	10.22	34.4	10.36	34.3	10.52	34.3	10.81
	0	-0.7	37.3	10.04	37.3	10.31	37.1	10.59	37.1	10.72	37	10.86	37	11.13
	3	2.2	40.2	10.42	40.1	10.66	40.1	10.92	40	11.05	40	11.18	39.2	11.11
	5	4.1	42.3	10.65	42.1	10.89	42.1	11.13	42	11.25	42	11.37	39.2	10.43
110%	7	6	44.4	10.86	44.4	11.08	44.3	11.31	43.6	11.16	42.1	10.71	39.2	9.81
	9	7.9	46.7	11.07	46.6	11.3	45	10.92	43.6	10.48	42.1	10.06	39.2	9.24
	11	9.8	49	11.27	47.9	11.07	45	10.27	43.6	9.87	42.1	9.47	39.2	8.71
	13	11.8	50.8	11.16	47.9	10.39	45	9.63	43.6	9.27	42.1	8.91	39.2	8.2
	15	13.7	50.8	10.51	47.9	9.78	45	9.09	43.6	8.73	42.1	8.39	39.2	7.73
	-19.8	-20	24	7.83	23.9	8.21	23.8	8.6	23.8	8.8	23.8	9	23.7	9.39
	-18.8	-19	24.4	7.95	24.3	8.33	24.3	8.73	24.3	8.91	24.2	9.1	24.2	9.5
	-16.7	-17	25.4	8.21	25.2	8.59	25.6	8.97	25.1	9.15	25.1	9.33	25	9.69
	-13.7	-15	26.4	8.5	26.3	8.85	26.2	9.21	26.2	9.39	26.2	9.57	26.1	9.92
	-11.8	-13	27.5	8.79	27.5	9.12	27.4	9.45	27.4	9.63	27.3	9.8	27.3	10.15
	-9.8	-11	28.8	9.06	28.7	9.39	28.7	9.71	28.6	9.87	28.6	10.04	28.6	10.36
	-9.5	-10	29.5	9.21	29.4	9.51	29.3	9.84	29.3	10	29.3	10.16	29.2	10.48
	-8.5	-9.1	30.1	9.33	30	9.63	30	9.95	29.9	10.12	29.9	10.27	29.9	9.36
	-7	-7.6	31.2	9.54	31.2	9.83	31.1	10.13	31.1	10.28	31.1	10.43	31	10.74
	-5	-5.6	32.9	9.81	32.7	10.1	32.6	10.37	32.6	10.52	32.6	10.66	32.5	10.96
	-3	-3.7	34.4	10.06	34.4	10.33	34.3	10.6	34.3	10.74	34.2	10.87	34.2	11.14
	0	-0.7	37.1	10.43	37.1	10.69	37	10.95	37	11.07	37	11.19	36	10.98
	3	2.2	40.1	10.78	40	11.01	40	11.25	39.9	11.36	38.6	10.89	36	10
	5	4.1	42.1	10.99	42.1	11.22	41.3	11.11	39.9	10.66	38.6	10.24	36	9.39
	7	6	44.3	11.19	43.9	11.27	41.3	10.43	39.9	10.03	38.6	9.63	36	8.85
	9	7.9	46.5	11.37	43.9	10.59	41.3	9.81	39.9	9.44	38.6	9.06	36	8.33
	11	9.8	46.5	10.71	43.9	9.97	41.3	9.24	39.9	8.89	38.6	8.54	36	7.86
	13	11.8	46.5	10.04	43.9	9.35	41.3	8.68	39.9	8.36	38.6	8.03	36	7.41
	15	13.7	46.5	8.91	43.9	8.82	41.3	8.2	39.9	7.89	38.6	7.59	36	7

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	23.9	8.45	23.8	8.8	23.8	9.16	23.7	9.35	23.7	9.51	23.6	9.87
	-18.8	-19	24.3	8.56	24.3	8.91	24.2	9.27	24.2	9.45	24.1	9.63	24.1	9.98
	-16.7	-17	25.2	8.8	25.1	9.15	25.1	9.48	25	9.65	25	9.81	25	10.16
	-13.7	-15	26.3	9.06	26.2	9.39	26.1	9.71	26.1	9.87	26.1	10.04	26	10.36
	-11.8	-13	27.4	9.33	27.4	9.63	27.3	9.94	27.3	10.1	27.3	10.25	27.1	10.57
	-9.8	-11	28.7	9.57	28.6	9.87	28.6	10.18	28.6	10.33	28.4	10.46	28.4	10.77
	-9.5	-10	29.4	9.71	29.3	10	29.3	10.28	29.2	10.43	29.2	10.59	29	10.87
	-8.5	-9.1	30	9.81	29.9	10.12	29.9	10.39	29.9	10.52	29.8	10.68	29.8	10.95
	-7	-7.6	31.1	10.01	31.1	10.28	31	10.56	31	10.71	31	10.83	30.8	11.11
	-5	-5.6	32.7	10.27	32.6	10.52	32.6	10.78	32.5	10.9	32.5	11.04	32.4	11.31
	-3	-3.7	34.3	10.49	34.3	9.53	34.2	10.99	34.2	11.11	34.2	11.24	32.7	10.77
	0	-0.7	37	10.83	37	11.07	36.9	11.3	36.3	11.11	35.1	10.65	32.7	9.77
	3	2.2	40	11.14	39.9	11.36	37.5	10.51	36.3	10.1	35.1	9.69	32.7	8.91
	5	4.1	42	11.36	39.9	10.66	37.5	9.87	36.3	9.51	35.1	9.13	32.7	8.39
	7	6	42.3	10.77	39.9	10.03	37.5	9.3	36.3	8.95	35.1	8.6	32.7	7.91
90%	9	7.9	42.3	10.12	39.9	9.44	37.5	8.76	36.3	8.32	35.1	8.11	32.7	7.47
	11	9.8	42.3	9.53	39.9	8.89	37.5	8.26	36.3	7.95	35.1	7.65	32.7	7.05
	13	11.8	42.3	8.95	39.9	8.36	37.5	7.77	36.3	7.49	35.1	7.21	32.7	6.65
	15	13.7	42.3	8.44	39.9	7.89	37.5	7.35	36.3	7.08	35.1	6.8	32.7	6.31
	-19.8	-20	23.8	9.09	23.7	9.39	23.7	9.72	23.5	9.87	23.5	10.04	23.5	10.36
	-18.8	-19	24.1	9.18	24.1	9.51	24	9.81	24	9.98	24	10.13	23.9	10.45
	-16.7	-17	25.1	9.41	25	9.71	25	10.01	25	10.16	24.8	10.31	24.8	10.62
	-13.7	-15	26.1	9.63	26	9.94	26	10.22	25.9	10.36	25.9	10.51	25.9	10.8
	-11.8	-13	27.2	9.87	27.2	10.15	27.1	10.42	27.1	10.57	27.1	10.71	27	10.98
	-9.8	-11	28.5	10.1	28.5	10.36	28.4	10.63	28.4	10.77	28.4	10.9	28.3	11.18
	-9.5	-10	29.2	10.22	29.1	10.48	29.1	10.74	29	10.87	29	11.01	29	11.25
	-8.5	-9.1	29.8	10.33	29.8	10.59	29.7	10.83	29.7	10.95	29.7	11.08	29.3	11.19
	-7	-7.6	30.9	10.49	30.9	10.74	30.8	10.99	30.8	11.11	30.8	11.24	29.3	10.69
	-5	-5.6	32.6	10.72	32.4	10.95	32.4	11.19	32.3	11.31	31.5	10.95	29.3	10.04
	-3	-3.7	34.1	10.93	34.1	11.14	33.8	11.19	32.6	10.75	31.5	10.31	29.3	9.47
	0	-0.7	37	11.25	35.9	10.96	33.8	10.16	32.6	9.75	31.5	9.38	29.3	8.6
80%	3	2.2	38	10.71	35.9	9.98	33.8	9.25	32.6	8.91	31.5	8.54	29.3	7.88
	5	4.1	38	10.07	35.9	9.39	33.8	8.73	32.6	8.38	31.5	8.08	29.3	7.42
	7	6	38	9.47	35.9	8.85	33.8	8.21	32.6	7.91	31.5	7.61	29.3	7.02
	9	7.9	38	8.92	35.9	8.32	33.8	7.74	32.6	7.47	31.5	7.18	29.3	6.64
	11	9.8	38	8.41	35.9	7.85	33.8	7.32	32.6	7.05	31.5	6.79	29.3	6.28
	13	11.8	38	7.91	35.9	7.41	33.8	6.9	32.6	6.65	31.5	6.41	29.3	5.93
	15	13.7	38	7.47	35.9	6.99	33.8	6.53	32.6	6.31	31.5	6.08	29.3	5.63
	-19.8	-20	23.7	9.71	23.6	10	23.6	10.28	23.6	10.42	23.4	10.57	23.4	10.84
	-18.8	-19	24	9.8	24	10.09	23.9	10.36	23.9	10.51	23.9	10.65	23.8	10.93
	-16.7	-17	25	10	24.9	10.27	24.9	10.54	24.9	10.68	24.9	10.81	24.8	11.07
	-13.7	-15	26.1	10.21	26	10.46	26	10.72	26	10.84	25.8	10.98	25.8	11.25
	-11.8	-13	27.1	10.4	27.1	10.66	27	10.9	27	11.02	27	11.16	26.2	10.86
	-9.8	-11	28.5	10.62	28.5	10.86	28.3	11.1	28.3	11.21	28.1	11.19	26.2	10.25
	-9.5	-10	29.2	10.72	29	10.95	29.1	11.19	29.1	11.31	28.1	10.86	26.2	9.95
	-8.5	-9.1	29.8	10.83	27.7	11.05	29.6	11.27	29.1	11.01	28.1	10.57	26.2	9.69
	-7	-7.6	30.8	10.98	30.8	11.19	30	10.95	29.1	10.52	28.1	10.1	26.2	9.27
	-5	-5.6	32.5	11.18	31.9	11.11	30	10.28	29.1	9.89	28.1	9.5	26.2	8.73
	-3	-3.7	33.8	11.24	31.9	10.46	30	9.69	29.1	9.33	28.1	8.95	26.2	8.24
	0	-0.7	33.8	10.19	31.9	9.5	30	8.82	29.1	8.48	28.1	8.15	26.2	7.52
	3	2.2	33.8	9.28	31.9	8.66	30	8.06	29.1	7.76	28.1	7.47	26.2	6.88
	5	4.1	33.8	8.74	31.9	8.17	30	7.59	29.1	7.32	28.1	7.05	26.2	6.5
	7	6	33.8	8.24	31.9	7.71	30	7.17	29.1	6.93	28.1	6.67	26.2	6.15
	9	7.9	33.8	7.77	31.9	7.27	30	6.77	29.1	6.53	28.1	6.31	26.2	5.84
	11	9.8	33.8	7.35	31.9	6.87	30	6.41	29.1	6.18	28.1	5.97	26.2	5.53
	13	11.8	33.8	6.93	31.9	6.49	30	6.06	29.1	5.85	28.1	5.64	26.2	5.23
	15	13.7	33.8	6.55	31.9	6.15	30	5.75	29.1	5.55	28.1	5.35	26.2	4.98

Note: TC: Total capacity, PI: Power input.

Outdoor unit

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Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	23.5	10.34	23.4	10.59	23.4	10.83	23.4	10.95	23.4	11.08	22.8	10.96
	-18.8	-19	23.9	10.42	23.9	10.66	23.8	10.9	23.8	11.02	23.8	11.16	22.8	10.74
	-16.7	-17	24.8	10.59	24.8	10.83	24.7	11.07	24.7	11.19	24.5	9.97	22.8	10.24
	-13.7	-15	25.9	10.77	25.8	11.01	25.8	11.24	25.3	11.07	24.5	10.62	22.8	9.74
	-11.8	-13	27	10.95	27	11.18	26.3	10.9	25.3	10.48	24.5	10.06	22.8	9.22
	-9.8	-11	28.3	11.13	27.9	11.13	26.3	10.3	25.3	9.9	24.5	9.51	22.8	8.73
	-9.5	-10	29	11.24	27.9	10.8	26.3	10	25.3	9.62	24.5	9.24	22.8	8.48
	-8.5	-9.1	29.6	11.3	27.9	10.51	26.3	9.74	25.3	9.36	24.5	9	22.8	8.27
	-7	-7.6	29.6	10.78	27.9	10.04	26.3	9.32	25.3	8.97	24.5	8.6	22.8	7.92
	-5	-5.6	29.6	10.13	27.9	9.45	26.3	8.77	25.3	8.42	24.5	9.97	22.8	7.47
	-3	-3.7	29.6	9.54	27.9	8.91	26.3	8.27	25.3	7.95	24.5	7.65	22.8	7.06
	0	-0.7	29.6	8.68	27.9	8.12	26.3	7.55	25.3	7.27	24.5	7	22.8	6.47
	3	2.2	29.6	7.94	27.9	7.42	26.3	6.93	25.3	6.67	24.5	6.43	22.8	5.94
	5	4.1	29.6	7.49	27.9	7	26.3	6.55	25.3	6.31	24.5	6.08	22.8	5.63
	7	6	29.6	7.08	27.9	6.62	26.3	6.18	25.3	5.97	24.5	5.76	22.8	5.34
	9	7.9	29.6	6.68	27.9	6.28	26.3	5.85	25.3	5.66	24.5	5.46	22.8	5.07
	11	9.8	29.6	6.32	27.9	5.93	26.3	5.55	25.3	5.37	24.5	5.19	22.8	4.81
	13	11.8	29.6	5.97	27.9	5.61	26.3	5.25	25.3	5.08	24.5	4.9	22.8	4.57
	15	13.7	29.6	5.67	27.9	5.32	26.3	4.99	25.3	4.82	24.5	4.66	22.8	4.36
60%	-19.8	-20	23.5	10.96	23.3	11.18	22.5	10.75	21.8	10.33	21.1	9.92	19.6	9.09
	-18.8	-19	23.8	11.04	23.8	11.25	22.5	10.52	21.8	10.1	21.1	9.69	19.6	8.91
	-16.7	-17	24.8	11.19	23.9	10.83	22.5	10.04	21.8	9.65	21.1	9.27	19.6	8.51
	-13.7	-15	25.4	11.07	23.9	10.28	22.5	9.54	21.8	9.18	21.1	8.82	19.6	8.11
	-11.8	-13	25.4	10.46	23.9	9.74	22.5	9.04	21.8	8.71	21.1	8.36	19.6	7.74
	-9.8	-11	25.4	9.89	23.9	9.21	22.5	8.56	21.8	8.24	21.1	7.92	19.6	7.3
	-9.5	-10	25.4	9.62	23.9	8.97	22.5	8.32	21.8	8.01	21.1	7.71	19.6	7.11
	-8.5	-9.1	25.4	9.36	23.9	8.73	22.5	8.12	21.8	7.82	21.1	7.52	19.6	6.93
	-7	-7.6	25.4	8.95	23.9	8.36	22.5	7.77	21.8	7.49	21.1	7.2	19.6	6.65
	-5	-5.6	25.4	8.42	23.9	7.88	22.5	7.33	21.8	7.06	21.1	6.8	19.6	6.29
	-3	-3.7	25.4	7.95	23.9	7.44	22.5	6.93	21.8	6.68	21.1	6.44	19.6	5.96
	0	-0.7	25.4	7.27	23.9	6.8	22.5	6.35	21.8	6.14	21.1	5.91	19.6	5.47
	3	2.2	25.4	6.67	23.9	6.26	22.5	5.85	21.8	5.64	21.1	5.44	19.6	5.05
	5	4.1	25.4	6.31	23.9	5.91	22.5	5.53	21.8	5.35	21.1	5.16	19.6	4.79
	7	6	25.4	5.97	23.9	5.61	22.5	5.25	21.8	5.07	21.1	4.9	19.6	4.55
	9	7.9	25.4	5.66	23.9	5.31	22.5	4.98	21.8	4.82	21.1	4.64	19.6	4.34
	11	9.8	25.4	5.37	23.9	5.05	22.5	4.73	21.8	4.58	21.1	4.42	19.6	4.13
	13	11.8	25.4	5.07	23.9	4.78	22.5	4.49	21.8	4.36	21.1	4.2	19.6	3.93
	15	13.7	25.4	4.82	23.9	4.54	22.5	4.28	21.8	4.14	21.1	4.01	19.6	3.75
50%	-19.8	-20	21.1	9.98	19.9	9.28	18.8	8.62	18	8.3	17.4	7.98	16.3	7.35
	-18.8	-19	21.1	9.75	19.9	9.09	18.8	8.45	18	8.14	17.4	7.82	16.3	7.21
	-16.7	-17	21.1	9.32	19.9	8.68	18.8	8.08	18	7.77	17.4	7.49	16.3	6.91
	-13.7	-15	21.1	8.86	19.9	8.27	18.8	7.7	18	7.41	17.4	7.14	16.3	6.59
	-11.8	-13	21.1	8.42	19.9	7.86	18.8	7.32	18	7.05	17.4	6.79	16.3	6.28
	-9.8	-11	21.1	7.97	19.9	7.46	18.8	6.94	18	6.68	17.4	6.44	16.3	5.97
	-9.5	-10	21.1	7.76	19.9	7.24	18.8	6.76	18	6.52	17.4	6.28	16.3	5.81
	-8.5	-9.1	21.1	7.56	19.9	7.08	18.8	6.59	18	6.37	17.4	6.14	16.3	5.67
	-7	-7.6	21.1	7.24	19.9	6.79	18.8	6.32	18	6.11	17.4	5.9	16.3	5.46
	-5	-5.6	21.1	6.84	19.9	6.41	18.8	5.99	18	5.79	17.4	5.58	16.3	5.17
	-3	-3.7	21.1	6.47	19.9	6.08	18.8	5.67	18	5.49	17.4	5.29	16.3	4.91
	0	-0.7	21.1	5.94	19.9	5.58	18.8	5.23	18	5.05	17.4	4.88	16.3	4.54
	3	2.2	21.1	5.47	19.9	5.14	18.8	4.82	18	4.66	17.4	4.51	16.3	4.2
	5	4.1	21.1	5.19	19.9	4.88	18.8	4.58	18	4.43	17.4	4.29	16.3	3.99
	7	6	21.1	4.93	19.9	4.64	18.8	4.36	18	4.22	17.4	4.08	16.3	3.81
	9	7.9	21.1	4.67	19.9	4.42	18.8	4.14	18	4.02	17.4	3.89	16.3	3.63
	11	9.8	21.1	4.45	19.9	4.19	18.8	3.95	18	3.83	17.4	3.7	16.3	3.46
	13	11.8	21.1	4.23	19.9	3.99	18.8	3.75	18	3.64	17.4	3.52	16.3	3.31
	15	13.7	21.1	4.02	19.9	3.81	18.8	3.58	18	3.48	17.4	3.37	16.3	3.16

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	16.9	7.59	15.9	7.06	15	6.55	14.4	6.31	14	6.07	13	5.59
	-18.8	-19	16.9	7.41	15.9	6.91	15	6.42	14.4	6.18	14	5.94	13	5.48
	-16.7	-17	16.9	7.08	15.9	6.6	15	6.14	14.4	5.91	14	5.69	13	5.25
	-13.7	-15	16.9	6.73	15.9	6.29	15	5.85	14.4	5.63	14	5.42	13	5.01
	-11.8	-13	16.9	6.4	15.9	5.98	15	5.56	14.4	5.36	14	5.16	13	4.77
	-9.8	-11	16.9	6.06	15.9	5.67	15	5.28	14.4	5.08	14	4.9	13	4.54
	-9.5	-10	16.9	5.9	15.9	5.5	15	5.14	14.4	4.95	14	4.77	13	4.41
	-8.5	-9.1	16.9	5.75	15.9	5.38	15	5.01	14.4	4.84	14	4.67	13	4.31
	-7	-7.6	16.9	5.5	15.9	5.16	15	4.8	14.4	4.64	14	4.48	13	4.15
	-5	-5.6	16.9	5.19	15.9	4.87	15	4.55	14.4	4.4	14	4.24	13	3.93
	-3	-3.7	16.9	4.92	15.9	4.62	15	4.31	14.4	4.17	14	4.02	13	3.74
	0	-0.7	16.9	4.52	15.9	4.24	15	3.98	14.4	3.84	14	3.71	13	3.45
	3	2.2	16.9	4.16	15.9	3.91	15	3.67	14.4	3.54	14	3.42	13	3.19
	5	4.1	16.9	3.94	15.9	3.71	15	3.48	14.4	3.37	14	3.26	13	3.03
	7	6	16.9	3.75	15.9	3.53	15	3.31	14.4	3.21	14	3.1	13	2.9
30%	9	7.9	16.9	3.55	15.9	3.36	15	3.15	14.4	3.06	14	2.95	13	2.76
	11	9.8	16.9	3.38	15.9	3.18	15	3	14.4	2.91	14	2.82	13	2.63
	13	11.8	16.9	3.22	15.9	3.03	15	2.85	14.4	2.77	14	2.68	13	2.52
	15	13.7	16.9	3.06	15.9	2.9	15	2.72	14.4	2.64	14	2.56	13	2.4
	-19.8	-20	12.7	5.57	12	5.18	11.3	3.85	10.8	4.63	10.5	4.46	9.8	4.1
	-18.8	-19	12.7	5.44	12	5.07	11.3	3.77	10.8	4.54	10.5	4.36	9.8	4.02
	-16.7	-17	12.7	5.2	12	4.84	11.3	3.6	10.8	4.34	10.5	4.18	9.8	3.86
	-13.7	-15	12.7	4.94	12	4.62	11.3	3.44	10.8	4.13	10.5	3.98	9.8	3.68
	-11.8	-13	12.7	4.7	12	4.39	11.3	3.27	10.8	3.93	10.5	3.79	9.8	3.5
	-9.8	-11	12.7	4.45	12	4.16	11.3	3.1	10.8	3.73	10.5	3.59	9.8	3.33
	-9.5	-10	12.7	4.33	12	4.04	11.3	3.02	10.8	3.64	10.5	3.5	9.8	3.24
	-8.5	-9.1	12.7	4.22	12	3.95	11.3	2.94	10.8	3.55	10.5	3.43	9.8	3.16
	-7	-7.6	12.7	4.04	12	3.79	11.3	2.82	10.8	3.41	10.5	3.29	9.8	3.05
	-5	-5.6	12.7	3.81	12	3.58	11.3	2.67	10.8	3.23	10.5	3.11	9.8	2.89
	-3	-3.7	12.7	3.61	12	3.39	11.3	2.53	10.8	3.06	10.5	2.95	9.8	2.74
	0	-0.7	12.7	3.32	12	3.11	11.3	2.34	10.8	2.82	10.5	2.73	9.8	2.53
20%	3	2.2	12.7	3.05	12	2.87	11.3	2.15	10.8	2.6	10.5	2.51	9.8	2.35
	5	4.1	12.7	2.89	12	2.73	11.3	2.05	10.8	2.47	10.5	2.4	9.8	2.23
	7	6	12.7	2.75	12	2.59	11.3	1.94	10.8	2.35	10.5	2.28	9.8	2.13
	9	7.9	12.7	2.61	12	2.46	11.3	1.85	10.8	2.24	10.5	2.17	9.8	2.03
	11	9.8	12.7	2.48	12	2.34	11.3	1.76	10.8	2.13	10.5	2.07	9.8	1.93
	13	11.8	12.7	2.36	12	2.23	11.3	1.67	10.8	2.03	10.5	1.97	9.8	1.85
	15	13.7	12.7	2.24	12	2.13	11.3	1.6	10.8	1.94	10.5	1.88	9.8	1.76
	-19.8	-20	8.5	3.59	8	3.34	7.5	3.1	7.2	2.99	7	2.87	6.5	2.65
	-18.8	-19	8.5	3.51	8	3.27	7.5	3.04	7.2	2.93	7	2.81	6.5	2.6
	-16.7	-17	8.5	3.35	8	3.12	7.5	2.91	7.2	2.8	7	2.69	6.5	2.49
	-13.7	-15	8.5	3.19	8	2.98	7.5	2.77	7.2	2.67	7	2.57	6.5	2.37
	-11.8	-13	8.5	3.03	8	2.83	7.5	2.63	7.2	2.54	7	2.44	6.5	2.26
	-9.8	-11	8.5	2.87	8	2.68	7.5	2.5	7.2	2.41	7	2.32	6.5	2.15
	-9.5	-10	8.5	2.79	8	2.61	7.5	2.43	7.2	2.35	7	2.26	6.5	2.09
	-8.5	-9.1	8.5	2.72	8	2.55	7.5	2.37	7.2	2.29	7	2.21	6.5	2.04
	-7	-7.6	8.5	2.61	8	2.44	7.5	2.28	7.2	2.2	7	2.12	6.5	1.97
	-5	-5.6	8.5	2.46	8	2.31	7.5	2.16	7.2	2.09	7	2.01	6.5	1.86
	-3	-3.7	8.5	2.33	8	2.19	7.5	2.04	7.2	1.98	7	1.91	6.5	1.77
	0	-0.7	8.5	2.14	8	2.01	7.5	1.88	7.2	1.82	7	1.76	6.5	1.63
	3	2.2	8.5	1.97	8	1.85	7.5	1.74	7.2	1.68	7	1.62	6.5	1.51
	5	4.1	8.5	1.87	8	1.76	7.5	1.65	7.2	1.6	7	1.55	6.5	1.44
	7	6	8.5	1.77	8	1.67	7.5	1.57	7.2	1.52	7	1.47	6.5	1.37
	9	7.9	8.5	1.68	8	1.59	7.5	1.49	7.2	1.45	7	1.4	6.5	1.31
	11	9.8	8.5	1.6	8	1.51	7.5	1.42	7.2	1.38	7	1.33	6.5	1.25
	13	11.8	8.5	1.52	8	1.44	7.5	1.35	7.2	1.31	7	1.27	6.5	1.19
	15	13.7	8.5	1.45	8	1.37	7.5	1.29	7.2	1.25	7	1.21	6.5	1.14

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR140ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	29.1	8.33	29	8.92	28.9	9.52	28.9	9.8	28.7	10.09	28.7	10.69
	-18.8	-19	29.6	8.52	29.4	9.09	29.4	9.69	29.3	9.98	29.3	10.25	29.1	10.84
	-16.7	-17	30.7	8.92	30.6	9.48	30.4	10.03	30.4	10.3	30.4	10.59	30.3	11.15
	-13.7	-15	32	9.32	31.9	9.86	31.7	10.4	31.7	10.67	31.6	10.94	31.6	11.47
	-11.8	-13	33.3	9.75	33.3	10.27	33.2	10.76	33	11.03	33	11.3	32.9	11.8
	-9.8	-11	34.9	10.17	34.7	10.67	34.6	11.15	34.6	11.4	34.6	11.65	34.4	12.15
	-9.5	-10	35.7	10.4	35.6	10.86	35.4	11.34	35.4	11.59	35.3	11.82	35.3	12.3
	-8.5	-9.1	36.4	10.57	36.3	11.03	36.3	11.51	36.2	11.74	36.2	11.97	36	12.45
	-7	-7.6	37.7	10.88	37.7	11.34	37.6	11.78	37.6	12.01	37.4	12.22	37.3	12.68
	-5	-5.6	39.7	11.3	39.6	11.72	39.4	12.15	39.4	12.38	39.3	12.57	39.3	12.99
	-3	-3.7	41.6	11.67	41.4	12.07	41.4	12.47	41.3	12.68	41.3	12.89	41.1	13.28
	0	-0.7	44.9	12.22	44.9	12.61	44.7	12.97	44.7	13.12	44.6	13.35	44.6	13.74
	3	2.2	48.4	12.74	48.3	13.09	48.2	13.43	48.2	13.6	48.2	13.8	48	14.12
	5	4.1	50.9	13.05	50.7	13.39	50.7	13.72	50.6	13.89	50.6	14.04	50.4	14.37
	7	6	53.4	13.37	53.3	13.66	53.3	13.99	53.1	14.14	53.1	14.29	51	13.74
120%	9	7.9	56.1	13.64	56	13.95	56	14.24	55.9	14.39	54.7	14.08	51	12.89
	11	9.8	59	13.91	58.9	14.2	58.6	14.37	56.6	13.81	54.7	13.24	51	12.15
	13	11.8	62.1	14.18	62	14.45	58.6	13.47	56.6	12.93	54.7	12.43	51	11.4
	15	13.7	65.1	14.43	62.3	13.68	58.6	12.68	56.6	12.2	54.7	11.7	51	10.76
	-19.8	-20	29	9.13	28.9	9.67	28.7	10.23	28.7	10.48	28.7	10.76	28.6	11.3
	-18.8	-19	29.4	9.31	29.3	9.84	29.3	10.38	29.2	10.63	29.2	10.92	29	11.45
	-16.7	-17	30.6	9.67	30.4	10.19	30.2	10.69	30.3	10.96	30.3	11.22	30.2	11.72
	-13.7	-15	31.9	10.05	31.7	10.55	31.6	11.03	31.6	11.3	31.6	11.53	31.4	12.03
	-11.8	-13	33.2	10.44	33.2	10.92	33	11.38	33	11.63	32.9	11.86	32.9	12.34
	-9.8	-11	34.7	10.84	34.6	11.28	34.6	11.74	34.4	11.97	34.4	12.18	34.3	12.64
	-9.5	-10	35.6	11.03	35.4	11.47	35.3	11.92	35.3	12.15	35.3	12.36	35.2	12.8
	-8.5	-9.1	36.3	11.21	36.2	11.63	36.2	12.07	36	12.28	36	12.51	35.9	12.93
	-7	-7.6	37.6	11.49	37.6	11.92	37.4	12.32	37.4	12.53	37.3	12.74	37.3	13.14
	-5	-5.6	39.6	11.86	39.4	12.26	39.3	12.66	39.3	12.86	39.3	13.07	39.2	13.43
	-3	-3.7	41.4	12.22	41.4	12.61	41.3	12.97	41.3	13.14	41.2	13.35	41.2	13.72
	0	-0.7	44.7	12.74	44.7	13.09	44.6	13.43	44.6	13.6	44.4	13.78	44.4	14.12
110%	3	2.2	48.3	13.22	48.2	13.53	48.2	13.85	48	14.03	48	14.18	47	14.1
	5	4.1	50.7	13.51	50.6	13.81	50.6	14.12	50.4	14.28	50.4	14.43	47	13.24
	7	6	53.3	13.78	53.3	14.06	53.2	14.35	52.3	14.16	50.6	13.58	47	12.45
	9	7.9	56	14.04	55.9	14.33	54	13.85	52.3	13.3	50.6	12.76	47	11.72
	11	9.8	58.9	14.29	57.4	14.04	54	13.03	52.3	12.53	50.6	12.01	47	11.05
	13	11.8	61	14.16	57.4	13.18	54	12.22	52.3	11.76	50.6	11.3	47	10.4
	15	13.7	61	13.33	57.4	12.41	54	11.53	52.3	11.07	50.6	10.65	47	9.8
	-19.8	-20	28.9	9.94	28.7	10.42	28.6	10.92	28.6	11.17	28.6	11.42	28.4	11.92
	-18.8	-19	29.3	10.09	29.2	10.57	29.2	11.07	29.2	11.3	29	11.55	29	12.05
	-16.7	-17	30.4	10.42	30.3	10.9	30.7	11.38	30.2	11.61	30.2	11.84	30	12.3
	-13.7	-15	31.7	10.78	31.6	11.22	31.4	11.68	31.4	11.92	31.4	12.15	31.3	12.59
	-11.8	-13	33	11.15	33	11.57	32.9	11.99	32.9	12.22	32.7	12.43	32.7	12.87
	-9.8	-11	34.6	11.49	34.4	11.92	34.4	12.32	34.3	12.53	34.3	12.74	34.3	13.14
	-9.5	-10	35.4	11.68	35.3	12.07	35.1	12.49	35.1	12.68	35.1	12.89	35	13.3
	-8.5	-9.1	36.2	11.84	36	12.22	36	12.63	35.9	12.84	35.9	13.03	35.9	13.88
	-7	-7.6	37.4	12.11	37.4	12.47	37.3	12.86	37.3	13.05	37.3	13.24	37.2	13.62
	-5	-5.6	39.4	12.45	39.3	12.82	39.2	13.16	39.2	13.35	39.2	13.53	39	13.91
	-3	-3.7	41.3	12.76	41.3	13.1	41.2	13.45	41.2	13.62	41	13.8	41	14.14
	0	-0.7	44.6	13.24	44.6	13.57	44.4	13.89	44.4	14.04	44.4	14.2	43.2	13.93
	3	2.2	48.2	13.68	48	13.97	48	14.28	47.9	14.41	46.3	13.81	43.2	12.68
	5	4.1	50.6	13.95	50.6	14.24	49.6	14.1	47.9	13.53	46.3	12.99	43.2	11.92
	7	6	53.1	14.2	52.7	14.29	49.6	13.24	47.9	12.72	46.3	12.22	43.2	11.22
	9	7.9	55.9	14.43	52.7	13.43	49.6	12.45	47.9	11.97	46.3	11.49	43.2	10.57
	11	9.8	55.9	13.58	52.7	12.64	49.6	11.72	47.9	11.28	46.3	10.84	43.2	9.98
	13	11.8	55.9	12.74	52.7	11.86	49.6	11.01	47.9	10.61	46.3	10.19	43.2	9.4
	15	13.7	55.9	11.3	52.7	11.19	49.6	10.4	47.9	10.02	46.3	9.63	43.2	8.88

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	28.7	10.73	28.6	11.17	28.6	11.63	28.4	11.86	28.4	12.07	28.3	12.53
	-18.8	-19	29.2	10.86	29.2	11.3	29	11.76	29	11.99	28.9	12.22	28.9	12.66
	-16.7	-17	30.3	11.17	30.1	11.61	30.1	12.03	30	12.24	30	12.45	30	12.89
	-13.7	-15	31.6	11.49	31.4	11.92	31.3	12.32	31.3	12.53	31.3	12.74	31.2	13.14
	-11.8	-13	32.9	11.84	32.9	12.22	32.7	12.61	32.7	12.82	32.7	13.01	32.6	13.41
	-9.8	-11	34.4	12.15	34.3	12.53	34.3	12.91	34.3	13.1	34.1	13.28	34.1	13.66
	-9.5	-10	35.3	12.32	35.2	12.68	35.2	13.05	35	13.24	35	13.43	34.9	13.8
	-8.5	-9.1	36	12.45	35.9	12.84	35.9	13.18	35.9	13.35	35.7	13.55	35.7	13.89
	-7	-7.6	37.3	12.7	37.3	13.05	37.2	13.39	37.2	13.58	37.2	13.74	37	14.1
	-5	-5.6	39.3	13.03	39.1	13.35	39.1	13.68	39	13.83	39	14.01	38.9	14.35
	-3	-3.7	41.2	13.32	41.2	12.09	41	13.95	41	14.1	41	14.26	39.3	13.66
	0	-0.7	44.4	13.74	44.4	14.04	44.3	14.33	43.6	14.1	42.2	13.51	39.3	12.39
	3	2.2	48	14.14	47.9	14.41	45	13.33	43.6	12.82	42.2	12.3	39.3	11.3
	5	4.1	50.4	14.41	47.9	13.53	45	12.53	43.6	12.07	42.2	11.59	39.3	10.65
	7	6	50.7	13.66	47.9	12.72	45	11.8	43.6	11.36	42.2	10.92	39.3	10.03
90%	9	7.9	50.7	12.84	47.9	11.97	45	11.11	43.6	10.55	42.2	10.28	39.3	9.48
	11	9.8	50.7	12.09	47.9	11.28	45	10.48	43.6	10.09	42.2	9.71	39.3	8.94
	13	11.8	50.7	11.36	47.9	10.61	45	9.86	43.6	9.5	42.2	9.15	39.3	8.44
	15	13.7	50.7	10.71	47.9	10.02	45	9.32	43.6	8.98	42.2	8.63	39.3	8
	-19.8	-20	28.5	11.53	28.4	11.92	28.4	12.34	28.2	12.53	28.2	12.74	28.2	13.14
	-18.8	-19	29	11.65	29	12.07	28.8	12.45	28.8	12.66	28.8	12.86	28.7	13.26
	-16.7	-17	30.1	11.93	30	12.32	30	12.7	30	12.89	29.8	13.09	29.8	13.47
	-13.7	-15	31.4	12.22	31.2	12.61	31.2	12.97	31.1	13.14	31.1	13.33	31.1	13.7
	-11.8	-13	32.7	12.53	32.7	12.87	32.5	13.22	32.5	13.41	32.5	13.58	32.4	13.93
	-9.8	-11	34.2	12.82	34.2	13.14	34.1	13.49	34.1	13.66	34.1	13.83	33.9	14.18
	-9.5	-10	35.1	12.97	34.9	13.3	34.9	13.62	34.8	13.8	34.8	13.97	34.8	14.28
	-8.5	-9.1	35.8	13.1	35.8	13.43	35.7	13.74	35.7	13.89	35.7	14.06	35.2	14.2
	-7	-7.6	37.1	13.32	37.1	13.62	36.9	13.95	36.9	14.1	36.9	14.26	35.2	13.57
	-5	-5.6	39.1	13.6	38.9	13.89	38.9	14.2	38.8	14.35	37.8	13.89	35.2	12.74
	-3	-3.7	40.9	13.87	40.9	14.14	40.5	14.2	39.1	13.64	37.8	13.09	35.2	12.01
80%	0	-0.7	44.4	14.28	43.1	13.91	40.5	12.89	39.1	12.38	37.8	11.9	35.2	10.92
	3	2.2	45.6	13.58	43.1	12.66	40.5	11.74	39.1	11.3	37.8	10.84	35.2	10
	5	4.1	45.6	12.78	43.1	11.92	40.5	11.07	39.1	10.63	37.8	10.25	35.2	9.42
	7	6	45.6	12.01	43.1	11.22	40.5	10.42	39.1	10.03	37.8	9.65	35.2	8.9
	9	7.9	45.6	11.32	43.1	10.55	40.5	9.82	39.1	9.48	37.8	9.11	35.2	8.42
	11	9.8	45.6	10.67	43.1	9.96	40.5	9.29	39.1	8.94	37.8	8.61	35.2	7.96
	13	11.8	45.6	10.03	43.1	9.4	40.5	8.75	39.1	8.44	37.8	8.14	35.2	7.52
	15	13.7	45.6	9.48	43.1	8.86	40.5	8.29	39.1	8	37.8	7.71	35.2	7.14
	-19.8	-20	28.4	12.32	28.3	12.68	28.3	13.05	28.3	13.22	28.1	13.41	28.1	13.76
	-18.8	-19	28.9	12.43	28.9	12.8	28.7	13.14	28.7	13.33	28.7	13.51	28.6	13.87
	-16.7	-17	30	12.68	29.9	13.03	29.9	13.37	29.9	13.55	29.9	13.72	29.7	14.04
	-13.7	-15	31.3	12.95	31.2	13.28	31.2	13.6	31.2	13.76	31	13.93	31	14.28
	-11.8	-13	32.6	13.2	32.6	13.53	32.4	13.83	32.4	13.99	32.4	14.16	31.4	13.78
	-9.8	-11	34.2	13.47	34.2	13.78	34	14.08	34	14.22	33.7	14.2	31.4	13.01
	-9.5	-10	35	13.6	34.9	13.89	34.9	14.2	34.9	14.35	33.7	13.78	31.4	12.63
	-8.5	-9.1	35.7	13.74	33.2	14.03	35.6	14.29	34.9	13.97	33.7	13.41	31.4	12.3

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	28.2	13.12	28.1	13.43	28.1	13.74	28.1	13.89	28.1	14.06	27.4	13.91
	-18.8	-19	28.7	13.22	28.7	13.53	28.5	13.83	28.5	13.99	28.5	14.16	27.4	13.62
	-16.7	-17	29.8	13.43	29.8	13.74	29.7	14.04	29.7	14.2	29.4	12.64	27.4	12.99
	-13.7	-15	31.1	13.66	30.9	13.97	30.9	14.26	30.4	14.04	29.4	13.47	27.4	12.36
	-11.8	-13	32.4	13.89	32.4	14.18	31.5	13.83	30.4	13.3	29.4	12.76	27.4	11.7
	-9.8	-11	33.9	14.12	33.5	14.12	31.5	13.07	30.4	12.57	29.4	12.07	27.4	11.07
	-9.5	-10	34.8	14.26	33.5	13.7	31.5	12.68	30.4	12.2	29.4	11.72	27.4	10.76
	-8.5	-9.1	35.5	14.33	33.5	13.33	31.5	12.36	30.4	11.88	29.4	11.42	27.4	10.5
	-7	-7.6	35.5	13.68	33.5	12.74	31.5	11.82	30.4	11.38	29.4	10.92	27.4	10.05
	-5	-5.6	35.5	12.86	33.5	11.99	31.5	11.13	30.4	10.69	29.4	12.64	27.4	9.48
	-3	-3.7	35.5	12.11	33.5	11.3	31.5	10.5	30.4	10.09	29.4	9.71	27.4	8.96
	0	-0.7	35.5	11.01	33.5	10.3	31.5	9.57	30.4	9.23	29.4	8.88	27.4	8.21
	3	2.2	35.5	10.07	33.5	9.42	31.5	8.79	30.4	8.46	29.4	8.15	27.4	7.54
	5	4.1	35.5	9.5	33.5	8.88	31.5	8.31	30.4	8	29.4	7.71	27.4	7.14
	7	6	35.5	8.98	33.5	8.4	31.5	7.85	30.4	7.58	29.4	7.31	27.4	6.77
	9	7.9	35.5	8.48	33.5	7.96	31.5	7.43	30.4	7.18	29.4	6.93	27.4	6.43
	11	9.8	35.5	8.02	33.5	7.52	31.5	7.04	30.4	6.81	29.4	6.58	27.4	6.1
	13	11.8	35.5	7.58	33.5	7.12	31.5	6.66	30.4	6.45	29.4	6.22	27.4	5.79
	15	13.7	35.5	7.2	33.5	6.75	31.5	6.33	30.4	6.12	29.4	5.91	27.4	5.53
60%	-19.8	-20	28.2	13.91	28	14.18	27	13.64	26.2	13.1	25.3	12.59	23.6	11.53
	-18.8	-19	28.6	14.01	28.6	14.28	27	13.35	26.2	12.82	25.3	12.3	23.6	11.3
	-16.7	-17	29.7	14.2	28.7	13.74	27	12.74	26.2	12.24	25.3	11.76	23.6	10.8
	-13.7	-15	30.4	14.04	28.7	13.05	27	12.11	26.2	11.65	25.3	11.19	23.6	10.28
	-11.8	-13	30.4	13.28	28.7	12.36	27	11.47	26.2	11.05	25.3	10.61	23.6	9.82
	-9.8	-11	30.4	12.55	28.7	11.68	27	10.86	26.2	10.46	25.3	10.05	23.6	9.27
	-9.5	-10	30.4	12.2	28.7	11.38	27	10.55	26.2	10.17	25.3	9.79	23.6	9.02
	-8.5	-9.1	30.4	11.88	28.7	11.07	27	10.3	26.2	9.92	25.3	9.54	23.6	8.79
	-7	-7.6	30.4	11.36	28.7	10.61	27	9.86	26.2	9.5	25.3	9.13	23.6	8.44
	-5	-5.6	30.4	10.69	28.7	10	27	9.31	26.2	8.96	25.3	8.63	23.6	7.98
	-3	-3.7	30.4	10.09	28.7	9.44	27	8.79	26.2	8.48	25.3	8.17	23.6	7.56
	0	-0.7	30.4	9.23	28.7	8.63	27	8.06	26.2	7.79	25.3	7.5	23.6	6.95
	3	2.2	30.4	8.46	28.7	7.94	27	7.43	26.2	7.16	25.3	6.91	23.6	6.41
	5	4.1	30.4	8	28.7	7.5	27	7.02	26.2	6.79	25.3	6.54	23.6	6.08
	7	6	30.4	7.58	28.7	7.12	27	6.66	26.2	6.43	25.3	6.22	23.6	5.78
	9	7.9	30.4	7.18	28.7	6.73	27	6.31	26.2	6.12	25.3	5.89	23.6	5.51
	11	9.8	30.4	6.81	28.7	6.41	27	6.01	26.2	5.81	25.3	5.6	23.6	5.24
	13	11.8	30.4	6.43	28.7	6.06	27	5.7	26.2	5.53	25.3	5.33	23.6	4.99
	15	13.7	30.4	6.12	28.7	5.76	27	5.43	26.2	5.26	25.3	5.08	23.6	4.76
50%	-19.8	-20	25.4	12.66	23.9	11.78	22.5	10.94	21.7	10.53	20.9	10.13	19.5	9.32
	-18.8	-19	25.4	12.38	23.9	11.53	22.5	10.73	21.7	10.32	20.9	9.92	19.5	9.15
	-16.7	-17	25.4	11.82	23.9	11.01	22.5	10.25	21.7	9.86	20.9	9.5	19.5	8.77
	-13.7	-15	25.4	11.24	23.9	10.5	22.5	9.77	21.7	9.4	20.9	9.06	19.5	8.37
	-11.8	-13	25.4	10.69	23.9	9.98	22.5	9.29	21.7	8.94	20.9	8.61	19.5	7.96
	-9.8	-11	25.4	10.11	23.9	9.46	22.5	8.81	21.7	8.48	20.9	8.17	19.5	7.58
	-9.5	-10	25.4	9.84	23.9	9.19	22.5	8.58	21.7	8.27	20.9	7.96	19.5	7.37
	-8.5	-9.1	25.4	9.59	23.9	8.98	22.5	8.37	21.7	8.08	20.9	7.79	19.5	7.2
	-7	-7.6	25.4	9.19	23.9	8.61	22.5	8.02	21.7	7.75	20.9	7.48	19.5	6.93
	-5	-5.6	25.4	8.67	23.9	8.14	22.5	7.6	21.7	7.35	20.9	7.08	19.5	6.56
	-3	-3.7	25.4	8.21	23.9	7.71	22.5	7.2	21.7	6.96	20.9	6.72	19.5	6.24
	0	-0.7	25.4	7.54	23.9	7.08	22.5	6.64	21.7	6.41	20.9	6.2	19.5	5.76
	3	2.2	25.4	6.95	23.9	6.52	22.5	6.12	21.7	5.91	20.9	5.72	19.5	5.33
	5	4.1	25.4	6.58	23.9	6.2	22.5	5.81	21.7	5.62	20.9	5.45	19.5	5.07
	7	6	25.4	6.25	23.9	5.89	22.5	5.53	21.7	5.35	20.9	5.18	19.5	4.84
	9	7.9	25.4	5.93	23.9	5.6	22.5	5.26	21.7	5.1	20.9	4.93	19.5	4.6
	11	9.8	25.4	5.64	23.9	5.31	22.5	5.01	21.7	4.85	20.9	4.7	19.5	4.39
	13	11.8	25.4	5.37	23.9	5.07	22.5	4.76	21.7	4.62	20.9	4.47	19.5	4.2
	15	13.7	25.4	5.1	23.9	4.84	22.5	4.55	21.7	4.41	20.9	4.28	19.5	4.01

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	20.3	9.62	19.1	8.95	18	8.31	17.3	8.01	16.7	7.7	15.6	7.09
	-18.8	-19	20.3	9.41	19.1	8.76	18	8.15	17.3	7.85	16.7	7.54	15.6	6.96
	-16.7	-17	20.3	8.98	19.1	8.37	18	7.79	17.3	7.5	16.7	7.22	15.6	6.66
	-13.7	-15	20.3	8.55	19.1	7.98	18	7.42	17.3	7.15	16.7	6.88	15.6	6.36
	-11.8	-13	20.3	8.12	19.1	7.58	18	7.06	17.3	6.8	16.7	6.55	15.6	6.05
	-9.8	-11	20.3	7.68	19.1	7.19	18	6.69	17.3	6.45	16.7	6.21	15.6	5.76
	-9.5	-10	20.3	7.48	19.1	6.98	18	6.52	17.3	6.28	16.7	6.05	15.6	5.6
	-8.5	-9.1	20.3	7.29	19.1	6.82	18	6.36	17.3	6.14	16.7	5.92	15.6	5.47
	-7	-7.6	20.3	6.98	19.1	6.55	18	6.1	17.3	5.89	16.7	5.69	15.6	5.26
	-5	-5.6	20.3	6.59	19.1	6.18	18	5.77	17.3	5.58	16.7	5.38	15.6	4.99
	-3	-3.7	20.3	6.24	19.1	5.86	18	5.47	17.3	5.29	16.7	5.1	15.6	4.74
	0	-0.7	20.3	5.73	19.1	5.38	18	5.05	17.3	4.87	16.7	4.71	15.6	4.37
	3	2.2	20.3	5.28	19.1	4.96	18	4.65	17.3	4.49	16.7	4.35	15.6	4.05
	5	4.1	20.3	5	19.1	4.71	18	4.42	17.3	4.27	16.7	4.14	15.6	3.85
	7	6	20.3	4.75	19.1	4.48	18	4.2	17.3	4.07	16.7	3.94	15.6	3.67
30%	9	7.9	20.3	4.51	19.1	4.26	18	4	17.3	3.88	16.7	3.75	15.6	3.5
	11	9.8	20.3	4.29	19.1	4.04	18	3.81	17.3	3.69	16.7	3.57	15.6	3.34
	13	11.8	20.3	4.08	19.1	3.85	18	3.62	17.3	3.51	16.7	3.4	15.6	3.19
	15	13.7	20.3	3.88	19.1	3.67	18	3.46	17.3	3.35	16.7	3.25	15.6	3.05
	-19.8	-20	15.2	7.07	14.4	6.57	13.5	4.88	13	5.88	12.6	5.65	11.7	5.2
	-18.8	-19	15.2	6.91	14.4	6.43	13.5	4.79	13	5.76	12.6	5.54	11.7	5.11
	-16.7	-17	15.2	6.6	14.4	6.15	13.5	4.57	13	5.5	12.6	5.3	11.7	4.89
	-13.7	-15	15.2	6.27	14.4	5.86	13.5	4.36	13	5.25	12.6	5.05	11.7	4.67
	-11.8	-13	15.2	5.96	14.4	5.57	13.5	4.15	13	4.99	12.6	4.81	11.7	4.44
	-9.8	-11	15.2	5.64	14.4	5.28	13.5	3.93	13	4.73	12.6	4.56	11.7	4.23
	-9.5	-10	15.2	5.49	14.4	5.13	13.5	3.83	13	4.61	12.6	4.44	11.7	4.11
	-8.5	-9.1	15.2	5.35	14.4	5.01	13.5	3.73	13	4.51	12.6	4.35	11.7	4.01
	-7	-7.6	15.2	5.13	14.4	4.81	13.5	3.58	13	4.33	12.6	4.18	11.7	3.86
	-5	-5.6	15.2	4.84	14.4	4.54	13.5	3.39	13	4.1	12.6	3.95	11.7	3.66
	-3	-3.7	15.2	4.58	14.4	4.3	13.5	3.21	13	3.89	12.6	3.75	11.7	3.48
	0	-0.7	15.2	4.21	14.4	3.95	13.5	2.96	13	3.58	12.6	3.46	11.7	3.21
20%	3	2.2	15.2	3.88	14.4	3.64	13.5	2.73	13	3.3	12.6	3.19	11.7	2.98
	5	4.1	15.2	3.67	14.4	3.46	13.5	2.6	13	3.14	12.6	3.04	11.7	2.83
	7	6	15.2	3.49	14.4	3.29	13.5	2.47	13	2.99	12.6	2.89	11.7	2.7
	9	7.9	15.2	3.31	14.4	3.13	13.5	2.35	13	2.85	12.6	2.75	11.7	2.57
	11	9.8	15.2	3.15	14.4	2.97	13.5	2.24	13	2.71	12.6	2.62	11.7	2.45
	13	11.8	15.2	3	14.4	2.83	13.5	2.12	13	2.58	12.6	2.49	11.7	2.34
	15	13.7	15.2	2.85	14.4	2.7	13.5	2.03	13	2.46	12.6	2.39	11.7	2.24
	-19.8	-20	10.1	4.56	9.6	4.24	9	3.94	8.7	3.79	8.4	3.65	7.8	3.36
	-18.8	-19	10.1	4.46	9.6	4.15	9	3.86	8.7	3.72	8.4	3.57	7.8	3.29
	-16.7	-17	10.1	4.25	9.6	3.96	9	3.69	8.7	3.55	8.4	3.42	7.8	3.16
	-13.7	-15	10.1	4.05	9.6	3.78	9	3.52	8.7	3.38	8.4	3.26	7.8	3.01
	-11.8	-13	10.1	3.85	9.6	3.59	9	3.34	8.7	3.22	8.4	3.1	7.8	2.87
	-9.8	-11	10.1	3.64	9.6	3.41	9	3.17	8.7	3.05	8.4	2.94	7.8	2.73
	-9.5	-10	10.1	3.54	9.6	3.31	9	3.09	8.7	2.98	8.4	2.87	7.8	2.65
	-8.5	-9.1	10.1	3.45	9.6	3.23	9	3.01	8.7	2.91	8.4	2.8	7.8	2.59
	-7	-7.6	10.1	3.31	9.6	3.1	9	2.89	8.7	2.79	8.4	2.69	7.8	2.49
	-5	-5.6	10.1	3.12	9.6	2.93	9	2.74	8.7	2.65	8.4	2.55	7.8	2.36
	-3	-3.7	10.1	2.96	9.6	2.78	9	2.59	8.7	2.51	8.4	2.42	7.8	2.24
	0	-0.7	10.1	2.71	9.6	2.55	9	2.39	8.7	2.31	8.4	2.23	7.8	2.07
	3	2.2	10.1	2.5	9.6	2.35	9	2.2	8.7	2.13	8.4	2.06	7.8	1.92
	5	4.1	10.1	2.37	9.6	2.23	9	2.09	8.7	2.02	8.4	1.96	7.8	1.82
	7	6	10.1	2.25	9.6	2.12	9	1.99	8.7	1.93	8.4	1.86	7.8	1.74
	9	7.9	10.1	2.13	9.6	2.02	9	1.89	8.7	1.84	8.4	1.78	7.8	1.66
	11	9.8	10.1	2.03	9.6	1.91	9	1.8	8.7	1.75	8.4	1.69	7.8	1.58
	13	11.8	10.1	1.93	9.6	1.82	9	1.71	8.7	1.66	8.4	1.61	7.8	1.51
	15	13.7	10.1	1.84	9.6	1.74	9	1.64	8.7	1.59	8.4	1.48	7.8	1.44

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR160ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	32.4	9.74	32.2	10.43	32.1	11.13	32.1	11.47	31.9	11.8	31.9	12.5
	-18.8	-19	32.9	9.96	32.7	10.64	32.7	11.33	32.5	11.67	32.5	11.98	32.4	12.68
	-16.7	-17	34.1	10.43	34	11.08	33.8	11.74	33.8	12.05	33.8	12.39	33.6	13.04
	-13.7	-15	35.6	10.91	35.4	11.53	35.2	12.16	35.2	12.48	35.1	12.79	35.1	13.42
	-11.8	-13	37	11.4	37	12	36.8	12.59	36.7	12.9	36.7	13.22	36.5	13.8
	-9.8	-11	38.7	11.89	38.6	12.48	38.4	13.04	38.4	13.33	38.4	13.62	38.3	14.2
	-9.5	-10	39.7	12.16	39.5	12.7	39.4	13.26	39.4	13.55	39.2	13.82	39.2	14.38
	-8.5	-9.1	40.5	12.36	40.3	12.9	40.3	13.46	40.2	13.73	40.2	14	40	14.56
	-7	-7.6	41.9	12.72	41.9	13.26	41.7	13.78	41.7	14.05	41.6	14.29	41.4	14.83
	-5	-5.6	44.1	13.22	44	13.71	43.8	14.2	43.8	14.47	43.6	14.7	43.6	15.19
	-3	-3.7	46.2	13.64	46	14.11	46	14.59	45.9	14.83	45.9	15.08	45.7	15.53
	0	-0.7	49.8	14.29	49.8	14.74	49.7	15.17	49.7	15.35	49.5	15.62	49.5	16.07
	3	2.2	53.8	14.9	53.6	15.3	53.5	15.71	53.5	15.91	53.5	16.13	53.3	16.52
	5	4.1	56.5	15.26	56.4	15.66	56.4	16.04	56.2	16.25	56.2	16.43	56	16.81
	7	6	59.4	15.64	59.2	15.98	59.2	16.36	59	16.54	59	16.72	56.7	16.07
	9	7.9	62.4	15.95	62.2	16.31	62.2	16.65	62.1	16.83	60.8	16.47	56.7	15.08
	11	9.8	65.6	16.27	65.4	16.6	65.1	16.81	62.9	16.16	60.8	15.48	56.7	14.2
	13	11.8	69	16.58	68.9	16.9	65.1	15.75	62.9	15.12	60.8	14.54	56.7	13.33
	15	13.7	72.4	16.87	69.2	16	65.1	14.83	62.9	14.27	60.8	13.69	56.7	12.59
120%	-19.8	-20	32.2	10.68	32.1	11.31	31.9	11.96	31.9	12.25	31.9	12.59	31.7	13.22
	-18.8	-19	32.7	10.88	32.5	11.51	32.5	12.14	32.4	12.43	32.4	12.77	32.2	13.4
	-16.7	-17	34	11.31	33.8	11.92	33.6	12.5	33.6	12.81	33.6	13.13	33.5	13.71
	-13.7	-15	35.4	11.76	35.2	12.34	35.1	12.9	35.1	13.22	35.1	13.49	34.9	14.07
	-11.8	-13	36.8	12.21	36.8	12.77	36.7	13.31	36.7	13.6	36.5	13.87	36.5	14.43
	-9.8	-11	38.6	12.68	38.4	13.19	38.4	13.73	38.3	14	38.3	14.25	38.1	14.79
	-9.5	-10	39.5	12.9	39.4	13.42	39.2	13.93	39.2	14.2	39.2	14.45	39.1	14.97
	-8.5	-9.1	40.3	13.1	40.2	13.6	40.2	14.11	40	14.36	40	14.63	39.8	15.12
	-7	-7.6	41.7	13.44	41.7	13.93	41.6	14.41	41.6	14.65	41.4	14.9	41.4	15.37
	-5	-5.6	44	13.87	43.8	14.34	43.6	14.81	43.6	15.03	43.6	15.28	43.5	15.71
	-3	-3.7	46	14.29	46	14.74	45.9	15.17	45.9	15.37	45.7	15.62	45.7	16.04
	0	-0.7	49.7	14.9	49.7	15.3	49.5	15.71	49.5	15.91	49.4	16.11	49.4	16.52
	3	2.2	53.6	15.46	53.5	15.82	53.5	16.2	53.3	16.4	53.3	16.58	52.2	16.49
	5	4.1	56.4	15.8	56.2	16.16	56.2	16.52	56	16.69	56	16.87	52.2	15.48
	7	6	59.2	16.11	59.2	16.45	59.1	16.78	58.1	16.56	56.2	15.89	52.2	14.56
	9	7.9	62.2	16.43	62.1	16.76	60	16.2	58.1	15.55	56.2	14.92	52.2	13.71
	11	9.8	65.4	16.72	63.8	16.43	60	15.24	58.1	14.65	56.2	14.05	52.2	12.92
	13	11.8	67.8	16.56	63.8	15.42	60	14.29	58.1	13.76	56.2	13.22	52.2	12.16
	15	13.7	67.8	15.6	63.8	14.52	60	13.49	58.1	12.95	56.2	12.45	52.2	11.47
110%	-19.8	-20	32.1	11.62	31.9	12.18	31.7	12.77	31.7	13.06	31.8	13.35	31.6	13.93
	-18.8	-19	32.5	11.8	32.4	12.36	32.4	12.95	32.4	13.22	32.2	13.51	32.2	14.09
	-16.7	-17	33.8	12.18	33.6	12.75	34.1	13.31	33.5	13.58	33.5	13.84	33.3	14.38
	-13.7	-15	35.2	12.61	35.1	13.13	34.9	13.67	34.9	13.93	34.9	14.2	34.8	14.72
	-11.8	-13	36.7	13.04	36.7	13.53	36.5	14.02	36.5	14.29	36.4	14.54	36.4	15.06
	-9.8	-11	38.4	13.44	38.3	13.93	38.3	14.41	38.1	14.65	38.1	14.9	38.1	15.37
	-9.5	-10	39.4	13.67	39.2	14.11	39	14.61	39	14.83	39	15.08	38.9	15.55
	-8.5	-9.1	40.2	13.84	40	14.29	40	14.76	39.8	15.01	39.8	15.24	39.8	15.89
	-7	-7.6	41.6	14.16	41.6	14.59	41.4	15.03	41.4	15.26	41.4	15.48	41.3	15.93
	-5	-5.6	43.8	14.56	43.6	14.99	43.5	15.39	43.5	15.62	43.5	15.82	43.3	16.27
	-3	-3.7	45.9	14.92	45.9	15.33	45.7	15.73	45.7	15.93	45.6	16.13	45.6	16.54
	0	-0.7	49.5	15.48	49.5	15.86	49.4	16.25	49.4	16.43	49.4	16.6	47.9	16.29
	3	2.2	53.5	16	53.3	16.34	53.3	16.69	53.2	16.85	51.4	16.16	47.9	14.83
	5	4.1	56.2	16.31	56.2	16.65	55.1	16.49	53.2	15.82	51.4	15.19	47.9	13.93
	7	6	59	16.6	58.6	16.72	55.1	15.48	53.2	14.88	51.4	14.29	47.9	13.13
	9	7.9	62.1	16.87	58.6	15.71	55.1	14.56	53.2	14	51.4	13.44	47.9	12.36
	11	9.8	62.1	15.89	58.6	14.79	55.1	13.71	53.2	13.19	51.4	12.68	47.9	11.67
	13	11.8	62.1	14.9	58.6	13.87	55.1	12.88	53.2	12.41	51.4	11.92	47.9	11
	15	13.7	62.1	13.22	58.6	13.08	55.1	12.16	53.2	11.71	51.4	11.26	47.9	10.39

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	31.9	12.54	31.7	13.06	31.7	13.6	31.6	13.87	31.6	14.11	31.4	14.65
	-18.8	-19	32.4	12.7	32.4	13.22	32.2	13.76	32.2	14.02	32.1	14.29	32.1	14.81
	-16.7	-17	33.6	13.06	33.5	13.58	33.5	14.07	33.3	14.32	33.3	14.56	33.3	15.08
	-13.7	-15	35.1	13.44	34.9	13.93	34.8	14.41	34.8	14.65	34.8	14.9	34.6	15.37
	-11.8	-13	36.5	13.84	36.5	14.29	36.4	14.74	36.4	14.99	36.4	15.21	36.2	15.68
	-9.8	-11	38.3	14.2	38.1	14.65	38.1	15.1	38.1	15.33	37.9	15.53	37.9	15.98
	-9.5	-10	39.2	14.41	39.1	14.83	39.1	15.26	38.9	15.48	38.9	15.71	38.7	16.13
	-8.5	-9.1	40	14.56	39.8	15.01	39.8	15.42	39.8	15.62	39.7	15.84	39.7	16.25
	-7	-7.6	41.4	14.85	41.4	15.26	41.3	15.66	41.3	15.89	41.3	16.07	41.1	16.49
	-5	-5.6	43.6	15.24	43.5	15.62	43.5	16	43.3	16.18	43.3	16.38	43.2	16.78
	-3	-3.7	45.7	15.57	45.7	16.14	45.6	16.31	45.6	16.49	45.6	16.67	43.6	15.98
	0	-0.7	49.4	16.07	49.4	16.43	49.2	16.76	48.4	16.49	46.8	15.8	43.6	14.5
	3	2.2	53.3	16.54	53.2	16.85	50	15.6	48.4	14.99	46.8	14.38	43.6	13.22
	5	4.1	56	16.85	53.2	15.82	50	14.65	48.4	14.11	46.8	13.55	43.6	12.45
	7	6	56.4	15.98	53.2	14.88	50	13.8	48.4	13.28	46.8	12.77	43.6	11.74
	9	7.9	56.4	15.01	53.2	14	50	12.99	48.4	12.34	46.8	12.03	43.6	11.08
90%	11	9.8	56.4	14.14	53.2	13.19	50	12.25	48.4	11.8	46.8	11.35	43.6	10.46
	13	11.8	56.4	13.28	53.2	12.41	50	11.53	48.4	11.11	46.8	10.7	43.6	9.87
	15	13.7	56.4	12.52	53.2	11.71	50	10.91	48.4	10.5	46.8	10.1	43.6	9.36
	-19.8	-20	31.7	13.49	31.5	13.93	31.5	14.43	31.4	14.65	31.4	14.9	31.4	15.37
	-18.8	-19	32.2	13.62	32.2	14.11	32	14.56	32	14.81	32	15.03	31.9	15.51
	-16.7	-17	33.4	13.96	33.3	14.41	33.3	14.85	33.3	15.08	33.1	15.3	33.1	15.75
	-13.7	-15	34.9	14.29	34.7	14.74	34.7	15.17	34.5	15.37	34.5	15.6	34.5	16.02
	-11.8	-13	36.3	14.65	36.3	15.06	36.1	15.46	36.1	15.68	36.1	15.89	36	16.29
	-9.8	-11	38	14.99	38	15.37	37.9	15.77	37.9	15.98	37.9	16.18	37.7	16.58
	-9.5	-10	39	15.17	38.8	15.55	38.8	15.93	38.7	16.13	38.7	16.34	38.7	16.69
	-8.5	-9.1	39.8	15.33	39.8	15.71	39.6	16.07	39.6	16.25	39.6	16.45	39.1	16.6
	-7	-7.6	41.2	15.57	41.2	15.93	41	16.31	41	16.49	41	16.67	39.1	15.86
	-5	-5.6	43.4	15.91	43.3	16.25	43.3	16.6	43.1	16.78	42	16.25	39.1	14.9
	-3	-3.7	45.5	16.22	45.5	16.54	45	16.6	43.4	15.95	42	15.3	39.1	14.05
	0	-0.7	49.3	16.69	47.9	16.27	45	15.08	43.4	14.47	42	13.91	39.1	12.77
	3	2.2	50.7	15.89	47.9	14.81	45	13.73	43.4	13.22	42	12.68	39.1	11.69
	5	4.1	50.7	14.94	47.9	13.93	45	12.95	43.4	12.43	42	11.98	39.1	11.02
80%	7	6	50.7	14.05	47.9	13.13	45	12.18	43.4	11.74	42	11.29	39.1	10.41
	9	7.9	50.7	13.24	47.9	12.34	45	11.49	43.4	11.08	42	10.66	39.1	9.85
	11	9.8	50.7	12.48	47.9	11.65	45	10.86	43.4	10.46	42	10.08	39.1	9.31
	13	11.8	50.7	11.74	47.9	11	45	10.23	43.4	9.87	42	9.51	39.1	8.8
	15	13.7	50.7	11.08	47.9	10.37	45	9.69	43.4	9.36	42	9.02	39.1	8.35
	-19.8	-20	31.6	14.41	31.4	14.83	31.4	15.26	31.4	15.46	31.3	15.68	31.3	16.09
	-18.8	-19	32.1	14.54	32.1	14.97	31.9	15.37	31.9	15.6	31.9	15.8	31.7	16.22
	-16.7	-17	33.3	14.83	33.2	15.24	33.2	15.64	33.2	15.84	33.2	16.04	33	16.43
	-13.7	-15	34.8	15.15	34.6	15.53	34.6	15.91	34.6	16.09	34.4	16.29	34.4	16.69
	-11.8	-13	36.2	15.44	36.2	15.82	36	16.18	36	16.36	36	16.56	34.9	16.11
	-9.8	-11	37.9	15.75	37.9	16.11	37.8	16.47	37.8	16.63	37.5	16.6	34.9	15.21
	-9.5	-10	38.9	15.91	38.7	16.25	38.7	16.6	38.7	16.78	37.5	16.11	34.9	14.76
	-8.5	-9.1	39.7	16.07	36.9	16.4	39.5	16.72	38.7	16.34	37.5	15.68	34.9	14.38
	-7	-7.6	41.1	16.29	41.1	16.6	40	16.25	38.7	15.62	37.5	14.99	34.9	13.76
	-5	-5.6	43.3	16.58	42.5	16.49	40	15.26	38.7	14.68	37.5	14.09	34.9	12.95
	-3	-3.7	45.1	16.67	42.5	15.53	40	14.38	38.7	13.84	37.5	13.28	34.9	12.23
	0	-0.7	45.1	15.12	42.5	14.09	40	13.08	38.7	12.59	37.5	12.09	34.9	11.15
	3	2.2	45.1	13.78	42.5	12.86	40	11.96	38.7	11.51	37.5	11.08	34.9	10.21
	5	4.1	45.1	12.97	42.5	12.12	40	11.26	38.7	10.86	37.5	10.46	34.9	9.65
	7	6	45.1	12.23	42.5	11.44	40	10.64	38.7	10.28	37.5	9.9	34.9	9.13
	9	7.9	45.1	11.53	42.5	10.79	40	10.05	38.7	9.69	37.5	9.36	34.9	8.66
	11	9.8	45.1	10.91	42.5	10.19	40	9.51	38.7	9.18	37.5	8.86	34.9	8.21
	13	11.8	45.1	10.28	42.5	9.63	40	9	38.7	8.68	37.5	8.37	34.9	7.76
	15	13.7	45.1	9.72	42.5	9.13	40	8.53	38.7	8.24	37.5	7.94	34.9	7.38

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	31.4	15.35	31.2	15.71	31.2	16.07	31.2	16.25	31.2	16.45	30.4	16.27
	-18.8	-19	31.8	15.46	31.8	15.82	31.7	16.18	31.7	16.36	31.7	16.56	30.4	15.93
	-16.7	-17	33.1	15.71	33.1	16.07	32.9	16.43	32.9	16.6	32.6	14.79	30.4	15.19
	-13.7	-15	34.5	15.98	34.4	16.34	34.4	16.67	33.7	16.43	32.6	15.75	30.4	14.45
	-11.8	-13	35.9	16.25	35.9	16.58	35	16.18	33.7	15.55	32.6	14.92	30.4	13.69
	-9.8	-11	37.7	16.52	37.2	16.52	35	15.28	33.7	14.7	32.6	14.11	30.4	12.95
	-9.5	-10	38.6	16.67	37.2	16.02	35	14.83	33.7	14.27	32.6	13.71	30.4	12.59
	-8.5	-9.1	39.4	16.76	37.2	15.6	35	14.45	33.7	13.89	32.6	13.35	30.4	12.27
	-7	-7.6	39.4	16	37.2	14.9	35	13.82	33.7	13.31	32.6	12.77	30.4	11.76
	-5	-5.6	39.4	15.03	37.2	14.02	35	13.01	33.7	12.5	32.6	14.79	30.4	11.08
	-3	-3.7	39.4	14.16	37.2	13.22	35	12.27	33.7	11.8	32.6	11.35	30.4	10.48
	0	-0.7	39.4	12.88	37.2	12.05	35	11.2	33.7	10.79	32.6	10.39	30.4	9.6
	3	2.2	39.4	11.78	37.2	11.02	35	10.28	33.7	9.9	32.6	9.54	30.4	8.82
	5	4.1	39.4	11.11	37.2	10.39	35	9.72	33.7	9.36	32.6	9.02	30.4	8.35
	7	6	39.4	10.5	37.2	9.83	35	9.18	33.7	8.86	32.6	8.55	30.4	7.92
60%	9	7.9	39.4	9.92	37.2	9.31	35	8.68	33.7	8.39	32.6	8.1	30.4	7.52
	11	9.8	39.4	9.38	37.2	8.8	35	8.24	33.7	7.97	32.6	7.7	30.4	7.14
	13	11.8	39.4	8.86	37.2	8.32	35	7.79	33.7	7.54	32.6	7.27	30.4	6.78
	15	13.7	39.4	8.41	37.2	7.9	35	7.4	33.7	7.16	32.6	6.91	30.4	6.46
	-19.8	-20	31.3	16.27	31.1	16.58	30	15.95	29.1	15.33	28.1	14.72	26.2	13.49
	-18.8	-19	31.7	16.38	31.7	16.69	30	15.62	29.1	14.99	28.1	14.38	26.2	13.22
	-16.7	-17	33	16.6	31.9	16.07	30	14.9	29.1	14.32	28.1	13.76	26.2	12.63
	-13.7	-15	33.8	16.43	31.9	15.26	30	14.16	29.1	13.62	28.1	13.08	26.2	12.03
	-11.8	-13	33.8	15.53	31.9	14.45	30	13.42	29.1	12.92	28.1	12.41	26.2	11.49
	-9.8	-11	33.8	14.68	31.9	13.67	30	12.7	29.1	12.23	28.1	11.76	26.2	10.84
	-9.5	-10	33.8	14.27	31.9	13.31	30	12.34	29.1	11.89	28.1	11.44	26.2	10.55
	-8.5	-9.1	33.8	13.89	31.9	12.95	30	12.05	29.1	11.6	28.1	11.15	26.2	10.28
	-7	-7.6	33.8	13.28	31.9	12.41	30	11.53	29.1	11.11	28.1	10.68	26.2	9.87
	-5	-5.6	33.8	12.5	31.9	11.69	30	10.88	29.1	10.48	28.1	10.1	26.2	9.33
	-3	-3.7	33.8	11.8	31.9	11.04	30	10.28	29.1	9.92	28.1	9.56	26.2	8.84
	0	-0.7	33.8	10.79	31.9	10.1	30	9.42	29.1	9.11	28.1	8.77	26.2	8.12
50%	3	2.2	33.8	9.9	31.9	9.29	30	8.68	29.1	8.37	28.1	8.08	26.2	7.49
	5	4.1	33.8	9.36	31.9	8.77	30	8.21	29.1	7.94	28.1	7.65	26.2	7.11
	7	6	33.8	8.86	31.9	8.32	30	7.79	29.1	7.52	28.1	7.27	26.2	6.75
	9	7.9	33.8	8.39	31.9	7.88	30	7.38	29.1	7.16	28.1	6.89	26.2	6.44
	11	9.8	33.8	7.97	31.9	7.49	30	7.02	29.1	6.8	28.1	6.55	26.2	6.13
	13	11.8	33.8	7.52	31.9	7.09	30	6.66	29.1	6.46	28.1	6.24	26.2	5.83
	15	13.7	33.8	7.16	31.9	6.73	30	6.35	29.1	6.15	28.1	5.95	26.2	5.56
	-19.8	-20	28.2	14.81	26.6	13.78	25	12.79	24.1	12.32	23.3	11.85	21.7	10.91
	-18.8	-19	28.2	14.47	26.6	13.49	25	12.54	24.1	12.07	23.3	11.6	21.7	10.7
	-16.7	-17	28.2	13.82	26.6	12.88	25	11.98	24.1	11.53	23.3	11.11	21.7	10.25
	-13.7	-15	28.2	13.15	26.6	12.27	25	11.42	24.1	11	23.3	10.59	21.7	9.78
	-11.8	-13	28.2	12.5	26.6	11.67	25	10.86	24.1	10.46	23.3	10.08	21.7	9.31
	-9.8	-11	28.2	11.83	26.6	11.06	25	10.3	24.1	9.92	23.3	9.56	21.7	8.86
	-9.5	-10	28.2	11.51	26.6	10.75	25	10.03	24.1	9.67	23.3	9.31	21.7	8.62
	-8.5	-9.1	28.2	11.22	26.6	10.5	25	9.78	24.1	9.45	23.3	9.11	21.7	8.41
	-7	-7.6	28.2	10.75	26.6	10.08	25	9.38	24.1	9.07	23.3	8.75	21.7	8.1
	-5	-5.6	28.2	10.14	26.6	9.51	25	8.89	24.1	8.59	23.3	8.28	21.7	7.67
	-3	-3.7	28.2	9.6	26.6	9.02	25	8.41	24.1	8.15	23.3	7.85	21.7	7.29
	0	-0.7	28.2	8.82	26.6	8.28	25	7.76	24.1	7.49	23.3	7.25	21.7	6.73
	3	2.2	28.2	8.12	26.6	7.63	25	7.16	24.1	6.91	23.3	6.69	21.7	6.24
	5	4.1	28.2	7.7	26.6	7.25	25	6.8	24.1	6.57	23.3	6.37	21.7	5.92
	7	6	28.2	7.32	26.6	6.89	25	6.46	24.1	6.26	23.3	6.06	21.7	5.65
	9	7.9	28.2	6.93	26.6	6.55	25	6.15	24.1	5.97	23.3	5.77	21.7	5.39
	11	9.8	28.2	6.6	26.6	6.22	25	5.86	24.1	5.68	23.3	5.5	21.7	5.14
	13	11.8	28.2	6.28	26.6	5.92	25	5.56	24.1	5.41	23.3	5.23	21.7	4.91
	15	13.7	28.2	5.97	26.6	5.65	25	5.32	24.1	5.16	23.3	5	21.7	4.69

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	22.5	11.26	21.3	10.47	20	9.72	19.2	9.36	18.6	9	17.3	8.29
	-18.8	-19	22.5	11	21.3	10.25	20	9.53	19.2	9.17	18.6	8.82	17.3	8.13
	-16.7	-17	22.5	10.51	21.3	9.79	20	9.11	19.2	8.77	18.6	8.44	17.3	7.79
	-13.7	-15	22.5	9.99	21.3	9.33	20	8.68	19.2	8.36	18.6	8.05	17.3	7.44
	-11.8	-13	22.5	9.5	21.3	8.87	20	8.25	19.2	7.95	18.6	7.66	17.3	7.08
	-9.8	-11	22.5	8.99	21.3	8.41	20	7.83	19.2	7.54	18.6	7.26	17.3	6.74
	-9.5	-10	22.5	8.75	21.3	8.17	20	7.62	19.2	7.35	18.6	7.08	17.3	6.55
	-8.5	-9.1	22.5	8.53	21.3	7.98	20	7.44	19.2	7.18	18.6	6.92	17.3	6.4
	-7	-7.6	22.5	8.17	21.3	7.66	20	7.13	19.2	6.89	18.6	6.65	17.3	6.16
	-5	-5.6	22.5	7.71	21.3	7.23	20	6.75	19.2	6.53	18.6	6.29	17.3	5.83
	-3	-3.7	22.5	7.3	21.3	6.86	20	6.4	19.2	6.19	18.6	5.97	17.3	5.54
	0	-0.7	22.5	6.7	21.3	6.29	20	5.9	19.2	5.7	18.6	5.51	17.3	5.12
	3	2.2	22.5	6.17	21.3	5.8	20	5.44	19.2	5.25	18.6	5.08	17.3	4.74
	5	4.1	22.5	5.85	21.3	5.51	20	5.17	19.2	5	18.6	4.84	17.3	4.5
	7	6	22.5	5.56	21.3	5.24	20	4.91	19.2	4.76	18.6	4.6	17.3	4.3
30%	9	7.9	22.5	5.27	21.3	4.98	20	4.67	19.2	4.54	18.6	4.38	17.3	4.09
	11	9.8	22.5	5.01	21.3	4.72	20	4.45	19.2	4.31	18.6	4.18	17.3	3.91
	13	11.8	22.5	4.78	21.3	4.5	20	4.23	19.2	4.11	18.6	3.97	17.3	3.73
	15	13.7	22.5	4.54	21.3	4.3	20	4.04	19.2	3.92	18.6	3.8	17.3	3.56
	-19.8	-20	16.9	8.26	15.9	7.69	15	5.71	14.4	6.87	14	6.61	13	6.09
	-18.8	-19	16.9	8.08	15.9	7.53	15	5.6	14.4	6.74	14	6.47	13	5.97
	-16.7	-17	16.9	7.71	15.9	7.19	15	5.35	14.4	6.44	14	6.2	13	5.72
	-13.7	-15	16.9	7.34	15.9	6.85	15	5.1	14.4	6.14	14	5.91	13	5.46
	-11.8	-13	16.9	6.97	15.9	6.51	15	4.85	14.4	5.83	14	5.62	13	5.2
	-9.8	-11	16.9	6.6	15.9	6.17	15	4.6	14.4	5.53	14	5.33	13	4.95
	-9.5	-10	16.9	6.42	15.9	6	15	4.48	14.4	5.4	14	5.2	13	4.81
	-8.5	-9.1	16.9	6.26	15.9	5.86	15	4.37	14.4	5.27	14	5.08	13	4.7
	-7	-7.6	16.9	6	15.9	5.62	15	4.19	14.4	5.06	14	4.88	13	4.52
	-5	-5.6	16.9	5.66	15.9	5.31	15	3.97	14.4	4.8	14	4.62	13	4.28
	-3	-3.7	16.9	5.36	15.9	5.03	15	3.76	14.4	4.55	14	4.38	13	4.07
	0	-0.7	16.9	4.92	15.9	4.62	15	3.47	14.4	4.18	14	4.04	13	3.76
20%	3	2.2	16.9	4.53	15.9	4.26	15	3.2	14.4	3.86	14	3.73	13	3.48
	5	4.1	16.9	4.29	15.9	4.04	15	3.04	14.4	3.67	14	3.56	13	3.31
	7	6	16.9	4.08	15.9	3.84	15	2.88	14.4	3.49	14	3.38	13	3.16
	9	7.9	16.9	3.87	15.9	3.66	15	2.74	14.4	3.33	14	3.22	13	3.01
	11	9.8	16.9	3.68	15.9	3.47	15	2.61	14.4	3.17	14	3.07	13	2.87
	13	11.8	16.9	3.51	15.9	3.31	15	2.48	14.4	3.02	14	2.92	13	2.74
	15	13.7	16.9	3.33	15.9	3.16	15	2.37	14.4	2.88	14	2.79	13	2.62
	-19.8	-20	11.3	5.33	10.6	4.96	10	4.6	9.6	4.43	9.3	4.27	8.7	3.93
	-18.8	-19	11.3	5.21	10.6	4.85	10	4.52	9.6	4.35	9.3	4.18	8.7	3.85
	-16.7	-17	11.3	4.98	10.6	4.64	10	4.31	9.6	4.15	9.3	4	8.7	3.69
	-13.7	-15	11.3	4.73	10.6	4.42	10	4.11	9.6	3.96	9.3	3.81	8.7	3.52
	-11.8	-13	11.3	4.5	10.6	4.2	10	3.91	9.6	3.76	9.3	3.63	8.7	3.35
	-9.8	-11	11.3	4.26	10.6	3.98	10	3.71	9.6	3.57	9.3	3.44	8.7	3.19
	-9.5	-10	11.3	4.14	10.6	3.87	10	3.61	9.6	3.48	9.3	3.35	8.7	3.1
	-8.5	-9.1	11.3	4.04	10.6	3.78	10	3.52	9.6	3.4	9.3	3.28	8.7	3.03
	-7	-7.6	11.3	3.87	10.6	3.63	10	3.38	9.6	3.26	9.3	3.15	8.7	2.92
	-5	-5.6	11.3	3.65	10.6	3.43	10	3.2	9.6	3.09	9.3	2.98	8.7	2.76
	-3	-3.7	11.3	3.46	10.6	3.25	10	3.03	9.6	2.93	9.3	2.83	8.7	2.63
	0	-0.7	11.3	3.17	10.6	2.98	10	2.8	9.6	2.7	9.3	2.61	8.7	2.42
	3	2.2	11.3	2.92	10.6	2.75	10	2.58	9.6	2.49	9.3	2.41	8.7	2.25
	5	4.1	11.3	2.77	10.6	2.61	10	2.45	9.6	2.37	9.3	2.29	8.7	2.13
	7	6	11.3	2.63	10.6	2.48	10	2.33	9.6	2.25	9.3	2.18	8.7	2.04
	9	7.9	11.3	2.5	10.6	2.36	10	2.21	9.6	2.15	9.3	2.08	8.7	1.94
	11	9.8	11.3	2.37	10.6	2.24	10	2.11	9.6	2.04	9.3	1.98	8.7	1.85
	13	11.8	11.3	2.26	10.6	2.13	10	2	9.6	1.95	9.3	1.88	8.7	1.77
	15	13.7	11.3	2.15	10.6	2.04	10	1.91	9.6	1.86	9.3	1.8	8.7	1.69

Note: TC: Total capacity, PI: Power input.

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**■ TMR180ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	36.3	10.37	36.1	11.11	35.9	11.86	35.9	12.21	35.7	12.57	35.7	13.31
	-18.8	-19	36.8	10.61	36.6	11.33	36.6	12.07	36.4	12.43	36.4	12.76	36.3	13.5
	-16.7	-17	38.2	11.11	38	11.81	37.9	12.5	37.9	12.84	37.9	13.19	37.7	13.89
	-13.7	-15	39.8	11.62	39.7	12.29	39.5	12.96	39.5	13.29	39.3	13.62	39.3	14.29
	-11.8	-13	41.4	12.14	41.4	12.79	41.3	13.41	41.1	13.74	41.1	14.08	40.9	14.7
	-9.8	-11	43.4	12.67	43.2	13.29	43	13.89	43	14.2	43	14.51	42.9	15.13
	-9.5	-10	44.4	12.96	44.3	13.53	44.1	14.13	44.1	14.44	43.9	14.72	43.9	15.32
	-8.5	-9.1	45.3	13.17	45.2	13.74	45.2	14.34	45	14.63	45	14.92	44.8	15.51
	-7	-7.6	46.9	13.55	46.9	14.13	46.7	14.68	46.7	14.96	46.6	15.23	46.4	15.8
	-5	-5.6	49.4	14.08	49.2	14.6	49.1	15.13	49.1	15.42	48.9	15.66	48.9	16.18
	-3	-3.7	51.7	14.53	51.6	15.03	51.6	15.54	51.4	15.8	51.4	16.06	51.2	16.54
	0	-0.7	55.8	15.23	55.8	15.7	55.6	16.16	55.6	16.35	55.5	16.64	55.5	17.11
	3	2.2	60.3	15.87	60.1	16.3	59.9	16.73	59.9	16.95	59.9	17.19	59.7	17.59
	5	4.1	63.3	16.25	63.1	16.68	63.1	17.09	62.9	17.31	62.9	17.5	62.8	17.9
	7	6	66.5	16.66	66.3	17.02	66.3	17.42	66.1	17.62	66.1	17.81	63.5	17.11
	9	7.9	69.9	16.99	69.7	17.38	69.7	17.74	69.5	17.93	68.1	17.54	63.5	16.06
120%	11	9.8	73.4	17.33	73.2	17.69	72.9	17.9	70.4	17.21	68.1	16.49	63.5	15.13
	13	11.8	77.3	17.66	77.2	18	72.9	16.78	70.4	16.11	68.1	15.49	63.5	14.2
	15	13.7	81.1	17.97	77.5	17.04	72.9	15.8	70.4	15.2	68.1	14.58	63.5	13.41
	-19.8	-20	36.1	11.38	35.9	12.05	35.7	12.74	35.7	13.05	35.7	13.41	35.5	14.08
	-18.8	-19	36.6	11.59	36.4	12.26	36.4	12.93	36.3	13.24	36.3	13.6	36.1	14.27
	-16.7	-17	38	12.05	37.9	12.69	37.6	13.31	37.7	13.65	37.7	13.98	37.5	14.6
	-13.7	-15	39.7	12.52	39.5	13.15	39.3	13.74	39.3	14.08	39.3	14.37	39.1	14.99
	-11.8	-13	41.3	13	41.3	13.6	41.1	14.17	41.1	14.48	40.9	14.77	40.9	15.37
	-9.8	-11	43.2	13.5	43	14.05	43	14.63	42.9	14.92	42.9	15.18	42.7	15.75
	-9.5	-10	44.3	13.74	44.1	14.29	43.9	14.84	43.9	15.13	43.9	15.39	43.7	15.94
	-8.5	-9.1	45.2	13.96	45	14.48	45	15.03	44.8	15.3	44.8	15.58	44.6	16.11
	-7	-7.6	46.7	14.32	46.7	14.84	46.6	15.35	46.6	15.61	46.4	15.87	46.4	16.37
	-5	-5.6	49.2	14.77	49.1	15.27	48.9	15.78	48.9	16.01	48.9	16.28	48.7	16.73
	-3	-3.7	51.6	15.23	51.6	15.7	51.4	16.16	51.4	16.37	51.2	16.64	51.2	17.09
	0	-0.7	55.6	15.87	55.6	16.3	55.5	16.73	55.5	16.95	55.3	17.16	55.3	17.59
	3	2.2	60.1	16.47	59.9	16.85	59.9	17.26	59.7	17.47	59.7	17.66	58.5	17.57
	5	4.1	63.1	16.83	62.9	17.21	62.9	17.59	62.8	17.78	62.8	17.97	58.5	16.49
110%	7	6	66.3	17.16	66.3	17.52	66.1	17.88	65.1	17.64	62.9	16.92	58.5	15.51
	9	7.9	69.7	17.5	69.5	17.86	67.2	17.26	65.1	16.56	62.9	15.9	58.5	14.6
	11	9.8	73.2	17.81	71.5	17.5	67.2	16.23	65.1	15.61	62.9	14.96	58.5	13.77
	13	11.8	75.9	17.64	71.5	16.42	67.2	15.23	65.1	14.65	62.9	14.08	58.5	12.96
	15	13.7	75.9	16.61	71.5	15.46	67.2	14.37	65.1	13.79	62.9	13.27	58.5	12.21
	-19.8	-20	35.9	12.38	35.7	12.98	35.5	13.6	35.5	13.91	35.6	14.22	35.4	14.84
	-18.8	-19	36.4	12.57	36.3	13.17	36.3	13.79	36.3	14.08	36.1	14.39	36.1	15.01
	-16.7	-17	37.9	12.98	37.7	13.58	38.2	14.17	37.5	14.46	37.5	14.75	37.3	15.32
	-13.7	-15	39.5	13.43	39.3	13.98	39.1	14.56	39.1	14.84	39.1	15.13	38.9	15.68
	-11.8	-13	41.1	13.89	41.1	14.41	40.9	14.94	40.9	15.23	40.7	15.49	40.7	16.04
	-9.8	-11	43	14.32	42.9	14.84	42.9	15.35	42.7	15.61	42.7	15.87	42.7	16.37
	-9.5	-10	44.1	14.56	43.9	15.03	43.7	15.56	43.7	15.8	43.7	16.06	43.6	16.56
	-8.5	-9.1	45	14.75	44.8	15.23	44.8	15.73	44.6	15.99	44.6	16.23	44.6	16.8
	-7	-7.6	46.6	15.08	46.6	15.54	46.4	16.01	46.4	16.25	46.4	16.49	46.2	16.97
	-5	-5.6	49.1	15.51	48.9	15.97	48.7	16.4	48.7	16.64	48.7	16.85	48.5	17.33
	-3	-3.7	51.4	15.9	51.4	16.33	51.2	16.76	51.2	16.97	51	17.19	51	17.62
	0	-0.7	55.5	16.49	55.5	16.9	55.3	17.31	55.3	17.5	55.3	17.69	53.7	17.35
	3	2.2	59.9	17.04	59.7	17.4	59.7	17.78	59.5	17.95	57.6	17.21	53.7	15.8
	5	4.1	62.9	17.38	62.9	17.74	61.7	17.57	59.5	16.85	57.6	16.18	53.7	14.84
	7	6	66.1	17.69	65.6	17.81	61.7	16.49	59.5	15.85	57.6	15.23	53.7	13.98
	9	7.9	69.5	17.97	65.6	16.73	61.7	15.51	59.5	14.92	57.6	14.32	53.7	13.17
	11	9.8	69.5	16.92	65.6	15.75	61.7	14.6	59.5	14.05	57.6	13.5	53.7	12.43
	13	11.8	69.5	15.87	65.6	14.77	61.7	13.72	59.5	13.22	57.6	12.69	53.7	11.71
	15	13.7	69.5	14.08	65.6	13.94	61.7	12.96	59.5	12.48	57.6	12	53.7	11.07

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	35.7	13.36	35.5	13.91	35.5	14.48	35.4	14.77	35.4	15.03	35.2	15.61
	-18.8	-19	36.3	13.53	36.3	14.08	36.1	14.65	36.1	14.94	35.9	15.23	35.9	15.78
	-16.7	-17	37.7	13.91	37.5	14.46	37.5	14.99	37.3	15.25	37.3	15.51	37.3	16.06
	-13.7	-15	39.3	14.32	39.1	14.84	38.9	15.35	38.9	15.61	38.9	15.87	38.8	16.37
	-11.8	-13	40.9	14.75	40.9	15.23	40.7	15.7	40.7	15.97	40.7	16.21	40.5	16.71
	-9.8	-11	42.9	15.13	42.7	15.61	42.7	16.09	42.7	16.33	42.5	16.54	42.5	17.02
	-9.5	-10	43.9	15.35	43.7	15.8	43.7	16.25	43.6	16.49	43.6	16.73	43.4	17.19
	-8.5	-9.1	44.8	15.51	44.6	15.99	44.6	16.42	44.6	16.64	44.4	16.88	44.4	17.31
	-7	-7.6	46.4	15.82	46.4	16.25	46.2	16.68	46.2	16.92	46.2	17.11	46	17.57
	-5	-5.6	48.9	16.23	48.7	16.64	48.7	17.04	48.5	17.23	48.5	17.45	48.3	17.88
	-3	-3.7	51.2	16.59	51.2	15.06	51	17.38	51	17.57	51	17.76	48.9	17.02
	0	-0.7	55.3	17.11	55.3	17.5	55.1	17.86	54.2	17.57	52.5	16.83	48.9	15.44
	3	2.2	59.7	17.62	59.5	17.95	56	16.61	54.2	15.97	52.5	15.32	48.9	14.08
	5	4.1	62.8	17.95	59.5	16.85	56	15.61	54.2	15.03	52.5	14.44	48.9	13.27
	7	6	63.1	17.02	59.5	15.85	56	14.7	54.2	14.15	52.5	13.6	48.9	12.5
90%	9	7.9	63.1	15.99	59.5	14.92	56	13.84	54.2	13.15	52.5	12.81	48.9	11.81
	11	9.8	63.1	15.06	59.5	14.05	56	13.05	54.2	12.57	52.5	12.09	48.9	11.14
	13	11.8	63.1	14.15	59.5	13.22	56	12.29	54.2	11.83	52.5	11.4	48.9	10.52
	15	13.7	63.1	13.34	59.5	12.48	56	11.62	54.2	11.19	52.5	10.76	48.9	9.97
	-19.8	-20	35.5	14.37	35.3	14.84	35.3	15.37	35.1	15.61	35.1	15.87	35.1	16.37
	-18.8	-19	36	14.51	36	15.03	35.8	15.51	35.8	15.78	35.8	16.01	35.7	16.52
	-16.7	-17	37.4	14.87	37.3	15.35	37.3	15.82	37.3	16.06	37.1	16.3	37.1	16.78
	-13.7	-15	39	15.23	38.9	15.7	38.9	16.16	38.7	16.37	38.7	16.61	38.7	17.07
	-11.8	-13	40.6	15.61	40.6	16.04	40.5	16.47	40.5	16.71	40.5	16.92	40.3	17.35
	-9.8	-11	42.6	15.97	42.6	16.37	42.4	16.8	42.4	17.02	42.4	17.23	42.2	17.66
	-9.5	-10	43.7	16.16	43.5	16.56	43.5	16.97	43.3	17.19	43.3	17.4	43.3	17.78
	-8.5	-9.1	44.6	16.33	44.6	16.73	44.4	17.11	44.4	17.31	44.4	17.52	43.8	17.69
	-7	-7.6	46.1	16.59	46.1	16.97	46	17.38	46	17.57	46	17.76	43.8	16.9
	-5	-5.6	48.6	16.95	48.5	17.31	48.5	17.69	48.3	17.88	47	17.31	43.8	15.87
	-3	-3.7	50.9	17.28	50.9	17.62	50.4	17.69	48.6	16.99	47	16.3	43.8	14.96
	0	-0.7	55.2	17.78	53.6	17.33	50.4	16.06	48.6	15.42	47	14.82	43.8	13.6
80%	3	2.2	56.8	16.92	53.6	15.78	50.4	14.63	48.6	14.08	47	13.5	43.8	12.45
	5	4.1	56.8	15.92	53.6	14.84	50.4	13.79	48.6	13.24	47	12.76	43.8	11.74
	7	6	56.8	14.96	53.6	13.98	50.4	12.98	48.6	12.5	47	12.02	43.8	11.09
	9	7.9	56.8	14.1	53.6	13.15	50.4	12.24	48.6	11.81	47	11.35	43.8	10.49
	11	9.8	56.8	13.29	53.6	12.41	50.4	11.57	48.6	11.14	47	10.73	43.8	9.92
	13	11.8	56.8	12.5	53.6	11.71	50.4	10.9	48.6	10.52	47	10.13	43.8	9.37
	15	13.7	56.8	11.81	53.6	11.04	50.4	10.33	48.6	9.97	47	9.61	43.8	8.89
	-19.8	-20	35.4	15.35	35.2	15.8	35.2	16.25	35.2	16.47	35	16.71	35	17.14
	-18.8	-19	35.9	15.49	35.9	15.94	35.7	16.37	35.7	16.61	35.7	16.83	35.5	17.28
	-16.7	-17	37.3	15.8	37.2	16.23	37.2	16.66	37.2	16.88	37.2	17.09	37	17.5
	-13.7	-15	38.9	16.13	38.8	16.54	38.8	16.95	38.8	17.14	38.6	17.35	38.6	17.78
	-11.8	-13	40.5	16.44	40.5	16.85	40.4	17.23	40.4	17.42	40.4	17.64	39.1	17.16
	-9.8	-11	42.5	16.78	42.5	17.16	42.3	17.54	42.3	17.71	42	17.69	39.1	16.21
	-9.5	-10	43.6	16.95	43.4	17.31	43.4	17.69	43.4	17.88	42	17.16	39.1	15.73
	-8.5	-9.1	44.4	17.11	41.3	17.47	44.3	17.81	43.4	17.4	42	16.71	39.1	15.32
	-7	-7.6	46	17.35	46	17.69	44.8	17.31	43.4	16.64	42	15.97	39.1	14.65
	-5	-5.6	48.5	17.66	47.6	17.57	44.8	16.25	43.4	15.63	42	15.01	39.1	13.79
	-3	-3.7	50.5	17.76	47.6	16.54	44.8	15.32	43.4	14.75	42	14.15	39.1	13.03
	0	-0.7	50.5	16.11	47.6	15.01	44.8	13.94	43.4	13.41	42	12.88	39.1	11.88
	3	2.2	50.5	14.68	47.6	13.7	44.8	12.74	43.4	12.26	42	11.81	39.1	10.88
	5	4.1	50.5	13.82	47.6	12.91	44.8	12	43.4	11.57	42	11.14	39.1	10.28
	7	6	50.5	13.03	47.6	12.19	44.8	11.33	43.4	10.95	42	10.54	39.1	9.73
	9	7.9	50.5	12.29	47.6	11.5	44.8	10.71	43.4	10.33	42	9.97	39.1	9.23
	11	9.8	50.5	11.62	47.6	10.85	44.8	10.13	43.4	9.78	42	9.44	39.1	8.75
	13	11.8	50.5	10.95	47.6	10.25	44.8	9.58	43.4	9.25	42	8.92	39.1	8.27
	15	13.7	50.5	10.35	47.6	9.73	44.8	9.08	43.4	8.77	42	8.46	39.1	7.86

Note: TC: Total capacity, PI: Power input.

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Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	35.1	16.35	34.9	16.73	34.9	17.11	34.9	17.31	34.9	17.52	34.1	17.33
	-18.8	-19	35.7	16.47	35.7	16.85	35.5	17.23	35.5	17.42	35.5	17.64	34.1	16.97
	-16.7	-17	37.1	16.73	37.1	17.11	36.9	17.5	36.9	17.69	36.5	15.75	34.1	16.18
	-13.7	-15	38.7	17.02	38.5	17.4	38.5	17.76	37.8	17.5	36.5	16.78	34.1	15.39
	-11.8	-13	40.3	17.31	40.3	17.66	39.2	17.23	37.8	16.56	36.5	15.9	34.1	14.58
	-9.8	-11	42.2	17.59	41.7	17.59	39.2	16.28	37.8	15.66	36.5	15.03	34.1	13.79
	-9.5	-10	43.3	17.76	41.7	17.07	39.2	15.8	37.8	15.2	36.5	14.6	34.1	13.41
	-8.5	-9.1	44.2	17.86	41.7	16.61	39.2	15.39	37.8	14.8	36.5	14.22	34.1	13.07
	-7	-7.6	44.2	17.04	41.7	15.87	39.2	14.72	37.8	14.17	36.5	13.6	34.1	12.52
	-5	-5.6	44.2	16.01	41.7	14.94	39.2	13.86	37.8	13.31	36.5	15.75	34.1	11.81
	-3	-3.7	44.2	15.08	41.7	14.08	39.2	13.07	37.8	12.57	36.5	12.09	34.1	11.16
	0	-0.7	44.2	13.72	41.7	12.84	39.2	11.93	37.8	11.5	36.5	11.07	34.1	10.23
	3	2.2	44.2	12.55	41.7	11.74	39.2	10.95	37.8	10.54	36.5	10.16	34.1	9.39
	5	4.1	44.2	11.83	41.7	11.07	39.2	10.35	37.8	9.97	36.5	9.61	34.1	8.89
	7	6	44.2	11.19	41.7	10.47	39.2	9.78	37.8	9.44	36.5	9.11	34.1	8.44
	9	7.9	44.2	10.56	41.7	9.92	39.2	9.25	37.8	8.94	36.5	8.63	34.1	8.01
60%	11	9.8	44.2	9.99	41.7	9.37	39.2	8.77	37.8	8.49	36.5	8.2	34.1	7.6
	13	11.8	44.2	9.44	41.7	8.87	39.2	8.29	37.8	8.03	36.5	7.74	34.1	7.22
	15	13.7	44.2	8.96	41.7	8.41	39.2	7.89	37.8	7.62	36.5	7.36	34.1	6.88
	-19.8	-20	35	17.33	34.8	17.66	33.6	16.99	32.5	16.33	31.5	15.68	29.3	14.37
	-18.8	-19	35.5	17.45	35.5	17.78	33.6	16.64	32.5	15.97	31.5	15.32	29.3	14.08
	-16.7	-17	37	17.69	35.7	17.11	33.6	15.87	32.5	15.25	31.5	14.65	29.3	13.46
	-13.7	-15	37.9	17.5	35.7	16.25	33.6	15.08	32.5	14.51	31.5	13.94	29.3	12.81
	-11.8	-13	37.9	16.54	35.7	15.39	33.6	14.29	32.5	13.77	31.5	13.22	29.3	12.24
	-9.8	-11	37.9	15.63	35.7	14.56	33.6	13.53	32.5	13.03	31.5	12.52	29.3	11.54
	-9.5	-10	37.9	15.2	35.7	14.17	33.6	13.15	32.5	12.67	31.5	12.19	29.3	11.23
	-8.5	-9.1	37.9	14.8	35.7	13.79	33.6	12.84	32.5	12.36	31.5	11.88	29.3	10.95
	-7	-7.6	37.9	14.15	35.7	13.22	33.6	12.29	32.5	11.83	31.5	11.38	29.3	10.52
	-5	-5.6	37.9	13.31	35.7	12.45	33.6	11.59	32.5	11.16	31.5	10.76	29.3	9.94
	-3	-3.7	37.9	12.57	35.7	11.76	33.6	10.95	32.5	10.56	31.5	10.18	29.3	9.42
	0	-0.7	37.9	11.5	35.7	10.76	33.6	10.04	32.5	9.7	31.5	9.35	29.3	8.65
	3	2.2	37.9	10.54	35.7	9.9	33.6	9.25	32.5	8.92	31.5	8.6	29.3	7.98
	5	4.1	37.9	9.97	35.7	9.35	33.6	8.75	32.5	8.46	31.5	8.15	29.3	7.58
50%	7	6	37.9	9.44	35.7	8.87	33.6	8.29	32.5	8.01	31.5	7.74	29.3	7.19
	9	7.9	37.9	8.94	35.7	8.39	33.6	7.86	32.5	7.62	31.5	7.34	29.3	6.86
	11	9.8	37.9	8.49	35.7	7.98	33.6	7.48	32.5	7.24	31.5	6.98	29.3	6.53
	13	11.8	37.9	8.01	35.7	7.55	33.6	7.1	32.5	6.88	31.5	6.64	29.3	6.21
	15	13.7	37.9	7.62	35.7	7.17	33.6	6.76	32.5	6.55	31.5	6.33	29.3	5.93
	-19.8	-20	31.5	15.78	29.8	14.68	28	13.62	26.9	13.12	26.1	12.62	24.3	11.62
	-18.8	-19	31.5	15.42	29.8	14.37	28	13.36	26.9	12.86	26.1	12.36	24.3	11.4
	-16.7	-17	31.5	14.72	29.8	13.72	28	12.76	26.9	12.29	26.1	11.83	24.3	10.92
	-13.7	-15	31.5	14.01	29.8	13.07	28	12.17	26.9	11.71	26.1	11.28	24.3	10.42
	-11.8	-13	31.5	13.31	29.8	12.43	28	11.57	26.9	11.14	26.1	10.73	24.3	9.92
	-9.8	-11	31.5	12.6	29.8	11.78	28	10.97	26.9	10.56	26.1	10.18	24.3	9.44
	-9.5	-10	31.5	12.26	29.8	11.45	28	10.68	26.9	10.3	26.1	9.92	24.3	9.18
	-8.5	-9.1	31.5	11.95	29.8	11.19	28	10.42	26.9	10.06	26.1	9.7	24.3	8.96
	-7	-7.6	31.5	11.45	29.8	10.73	28	9.99	26.9	9.66	26.1	9.32	24.3	8.63
	-5	-5.6	31.5	10.8	29.8	10.13	28	9.47	26.9	9.15	26.1	8.82	24.3	8.17
	-3	-3.7	31.5	10.23	29.8	9.61	28	8.96	26.9	8.68	26.1	8.37	24.3	7.77
	0	-0.7	31.5	9.39	29.8	8.82	28	8.27	26.9	7.98	26.1	7.72	24.3	7.17
	3	2.2	31.5	8.65	29.8	8.13	28	7.62	26.9	7.36	26.1	7.12	24.3	6.64
	5	4.1	31.5	8.2	29.8	7.72	28	7.24	26.9	7	26.1	6.79	24.3	6.31
	7	6	31.5	7.79	29.8	7.34	28	6.88	26.9	6.67	26.1	6.45	24.3	6.02
	9	7.9	31.5	7.39	29.8	6.98	28	6.55	26.9	6.36	26.1	6.14	24.3	5.74
	11	9.8	31.5	7.03	29.8	6.62	28	6.24	26.9	6.05	26.1	5.86	24.3	5.47
	13	11.8	31.5	6.69	29.8	6.31	28	5.93	26.9	5.76	26.1	5.57	24.3	5.23
	15	13.7	31.5	6.36	29.8	6.02	28	5.66	26.9	5.5	26.1	5.33	24.3	5

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	25.2	11.99	23.8	11.15	22.4	10.35	21.6	9.97	20.8	9.59	19.4	8.83
	-18.8	-19	25.2	11.72	23.8	10.92	22.4	10.15	21.6	9.77	20.8	9.39	19.4	8.67
	-16.7	-17	25.2	11.19	23.8	10.43	22.4	9.7	21.6	9.34	20.8	8.99	19.4	8.3
	-13.7	-15	25.2	10.65	23.8	9.94	22.4	9.25	21.6	8.9	20.8	8.57	19.4	7.92
	-11.8	-13	25.2	10.12	23.8	9.45	22.4	8.79	21.6	8.47	20.8	8.16	19.4	7.54
	-9.8	-11	25.2	9.57	23.8	8.96	22.4	8.34	21.6	8.03	20.8	7.74	19.4	7.18
	-9.5	-10	25.2	9.32	23.8	8.7	22.4	8.12	21.6	7.83	20.8	7.54	19.4	6.98
	-8.5	-9.1	25.2	9.08	23.8	8.5	22.4	7.92	21.6	7.65	20.8	7.38	19.4	6.81
	-7	-7.6	25.2	8.7	23.8	8.16	22.4	7.59	21.6	7.34	20.8	7.08	19.4	6.56
	-5	-5.6	25.2	8.21	23.8	7.7	22.4	7.19	21.6	6.96	20.8	6.7	19.4	6.21
	-3	-3.7	25.2	7.77	23.8	7.3	22.4	6.81	21.6	6.59	20.8	6.36	19.4	5.9
	0	-0.7	25.2	7.14	23.8	6.7	22.4	6.29	21.6	6.07	20.8	5.87	19.4	5.45
	3	2.2	25.2	6.58	23.8	6.18	22.4	5.79	21.6	5.6	20.8	5.41	19.4	5.05
	5	4.1	25.2	6.23	23.8	5.87	22.4	5.5	21.6	5.32	20.8	5.16	19.4	4.8
	7	6	25.2	5.92	23.8	5.58	22.4	5.23	21.6	5.07	20.8	4.9	19.4	4.58
30%	9	7.9	25.2	5.61	23.8	5.3	22.4	4.98	21.6	4.83	20.8	4.67	19.4	4.36
	11	9.8	25.2	5.34	23.8	5.03	22.4	4.74	21.6	4.6	20.8	4.45	19.4	4.16
	13	11.8	25.2	5.09	23.8	4.8	22.4	4.51	21.6	4.38	20.8	4.23	19.4	3.98
	15	13.7	25.2	4.83	23.8	4.58	22.4	4.31	21.6	4.18	20.8	4.05	19.4	3.8
	-19.8	-20	18.9	8.8	17.9	8.19	16.8	6.08	16.2	7.32	15.6	7.04	14.6	6.48
	-18.8	-19	18.9	8.6	17.9	8.02	16.8	5.96	16.2	7.18	15.6	6.9	14.6	6.36
	-16.7	-17	18.9	8.22	17.9	7.66	16.8	5.7	16.2	6.86	15.6	6.6	14.6	6.1
	-13.7	-15	18.9	7.82	17.9	7.3	16.8	5.43	16.2	6.54	15.6	6.3	14.6	5.82
	-11.8	-13	18.9	7.43	17.9	6.94	16.8	5.16	16.2	6.22	15.6	5.99	14.6	5.54
	-9.8	-11	18.9	7.03	17.9	6.58	16.8	4.9	16.2	5.9	15.6	5.68	14.6	5.27
	-9.5	-10	18.9	6.84	17.9	6.39	16.8	4.77	16.2	5.75	15.6	5.54	14.6	5.12
	-8.5	-9.1	18.9	6.67	17.9	6.24	16.8	4.65	16.2	5.62	15.6	5.42	14.6	5
	-7	-7.6	18.9	6.39	17.9	5.99	16.8	4.46	16.2	5.39	15.6	5.2	14.6	4.81
	-5	-5.6	18.9	6.03	17.9	5.66	16.8	4.23	16.2	5.11	15.6	4.92	14.6	4.56
	-3	-3.7	18.9	5.71	17.9	5.36	16.8	4	16.2	4.84	15.6	4.67	14.6	4.33
	0	-0.7	18.9	5.24	17.9	4.92	16.8	3.69	16.2	4.45	15.6	4.31	14.6	4
20%	3	2.2	18.9	4.83	17.9	4.53	16.8	3.4	16.2	4.11	15.6	3.97	14.6	3.71
	5	4.1	18.9	4.57	17.9	4.31	16.8	3.23	16.2	3.91	15.6	3.79	14.6	3.52
	7	6	18.9	4.35	17.9	4.09	16.8	3.07	16.2	3.72	15.6	3.6	14.6	3.36
	9	7.9	18.9	4.12	17.9	3.89	16.8	2.92	16.2	3.55	15.6	3.43	14.6	3.2
	11	9.8	18.9	3.92	17.9	3.69	16.8	2.78	16.2	3.37	15.6	3.27	14.6	3.05
	13	11.8	18.9	3.73	17.9	3.52	16.8	2.65	16.2	3.21	15.6	3.11	14.6	2.92
	15	13.7	18.9	3.55	17.9	3.36	16.8	2.53	16.2	3.07	15.6	2.97	14.6	2.79
	-19.8	-20	12.6	5.68	11.9	5.28	11.2	4.9	10.8	4.72	10.4	4.54	9.7	4.18
	-18.8	-19	12.6	5.55	11.9	5.17	11.2	4.81	10.8	4.63	10.4	4.45	9.7	4.1
	-16.7	-17	12.6	5.3	11.9	4.94	11.2	4.6	10.8	4.42	10.4	4.26	9.7	3.93
	-13.7	-15	12.6	5.04	11.9	4.71	11.2	4.38	10.8	4.22	10.4	4.06	9.7	3.75
	-11.8	-13	12.6	4.79	11.9	4.47	11.2	4.16	10.8	4.01	10.4	3.86	9.7	3.57
	-9.8	-11	12.6	4.53	11.9	4.24	11.2	3.95	10.8	3.8	10.4	3.67	9.7	3.4
	-9.5	-10	12.6	4.41	11.9	4.12	11.2	3.85	10.8	3.71	10.4	3.57	9.7	3.3
	-8.5	-9.1	12.6	4.3	11.9	4.03	11.2	3.75	10.8	3.62	10.4	3.49	9.7	3.23
	-7	-7.6	12.6	4.12	11.9	3.86	11.2	3.6	10.8	3.48	10.4	3.36	9.7	3.11
	-5	-5.6	12.6	3.89	11.9	3.65	11.2	3.41	10.8	3.3	10.4	3.18	9.7	2.94
	-3	-3.7	12.6	3.68	11.9	3.46	11.2	3.23	10.8	3.12	10.4	3.01	9.7	2.8
	0	-0.7	12.6	3.38	11.9	3.18	11.2	2.98	10.8	2.87	10.4	2.78	9.7	2.58
	3	2.2	12.6	3.11	11.9	2.93	11.2	2.74	10.8	2.65	10.4	2.56	9.7	2.39
	5	4.1	12.6	2.95	11.9	2.78	11.2	2.61	10.8	2.52	10.4	2.44	9.7	2.27
	7	6	12.6	2.81	11.9	2.64	11.2	2.48	10.8	2.4	10.4	2.32	9.7	2.17
	9	7.9	12.6	2.66	11.9	2.51	11.2	2.36	10.8	2.29	10.4	2.21	9.7	2.07
	11	9.8	12.6	2.53	11.9	2.38	11.2	2.25	10.8	2.18	10.4	2.11	9.7	1.97
	13	11.8	12.6	2.41	11.9	2.27	11.2	2.13	10.8	2.07	10.4	2	9.7	1.88
	15	13.7	12.6	2.29	11.9	2.17	11.2	2.04	10.8	1.98	10.4	1.9	9.7	1.8

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR200ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	38.8	11.71	38.7	12.55	38.5	13.39	38.5	13.79	38.3	14.2	38.3	15.03
	-18.8	-19	39.4	11.98	39.2	12.79	39.2	13.63	39	14.04	39	14.41	38.8	15.25
	-16.7	-17	41	12.55	40.8	13.33	40.6	14.12	40.6	14.49	40.6	14.9	40.4	15.68
	-13.7	-15	42.7	13.12	42.5	13.87	42.3	14.63	42.3	15.01	42.1	15.39	42.1	16.14
	-11.8	-13	44.4	13.71	44.4	14.44	44.2	15.14	44	15.52	44	15.9	43.8	16.6
	-9.8	-11	46.5	14.31	46.3	15.01	46.1	15.68	46.1	16.03	46.1	16.38	45.9	17.09
	-9.5	-10	47.6	14.63	47.4	15.28	47.2	15.95	47.2	16.3	47	16.63	47	17.3
	-8.5	-9.1	48.6	14.87	48.4	15.52	48.4	16.2	48.2	16.52	48.2	16.84	48	17.52
	-7	-7.6	50.3	15.3	50.3	15.95	50.1	16.57	50.1	16.9	49.9	17.19	49.7	17.84
	-5	-5.6	53	15.9	52.8	16.49	52.6	17.09	52.6	17.41	52.4	17.68	52.4	18.27
	-3	-3.7	55.4	16.41	55.2	16.98	55.2	17.54	55	17.84	55	18.14	54.8	18.68
	0	-0.7	59.8	17.19	59.8	17.73	59.6	18.25	59.6	18.46	59.4	18.79	59.4	19.33
	3	2.2	64.6	17.92	64.4	18.41	64.2	18.89	64.2	19.14	64.2	19.41	64	19.87
	5	4.1	67.8	18.35	67.6	18.84	67.6	19.3	67.4	19.54	67.4	19.76	67.2	20.22
	7	6	71.2	18.81	71	19.22	71	19.68	70.8	19.89	70.8	20.11	68	19.33
	9	7.9	74.8	19.19	74.7	19.62	74.7	20.03	74.5	20.24	73	19.81	68	18.14
120%	11	9.8	78.7	19.57	78.5	19.97	78.1	20.22	75.4	19.43	73	18.62	68	17.09
	13	11.8	82.8	19.95	82.7	20.32	78.1	18.95	75.4	18.19	73	17.49	68	16.03
	15	13.7	86.8	20.3	83	19.25	78.1	17.84	75.4	17.17	73	16.47	68	15.14
	-19.8	-20	38.7	12.85	38.5	13.6	38.3	14.39	38.3	14.74	38.3	15.14	38.1	15.9
	-18.8	-19	39.2	13.09	39	13.85	39	14.6	38.9	14.95	38.9	15.36	38.7	16.11
	-16.7	-17	40.8	13.6	40.6	14.33	40.3	15.03	40.4	15.41	40.4	15.79	40.2	16.49
	-13.7	-15	42.5	14.14	42.3	14.85	42.1	15.52	42.1	15.9	42.1	16.22	41.9	16.92
	-11.8	-13	44.2	14.68	44.2	15.36	44	16.01	44	16.36	43.8	16.68	43.8	17.36
	-9.8	-11	46.3	15.25	46.1	15.87	46.1	16.52	45.9	16.84	45.9	17.14	45.7	17.79
	-9.5	-10	47.4	15.52	47.2	16.14	47	16.76	47	17.09	47	17.38	46.9	18
	-8.5	-9.1	48.4	15.76	48.2	16.36	48.2	16.98	48	17.27	48	17.6	47.8	18.19
	-7	-7.6	50.1	16.17	50.1	16.76	49.9	17.33	49.9	17.63	49.7	17.92	49.7	18.49
	-5	-5.6	52.8	16.68	52.6	17.25	52.4	17.81	52.4	18.08	52.4	18.38	52.2	18.89
	-3	-3.7	55.2	17.19	55.2	17.73	55	18.25	55	18.49	54.9	18.79	54.9	19.3
	0	-0.7	59.6	17.92	59.6	18.41	59.4	18.89	59.4	19.14	59.2	19.38	59.2	19.87
	3	2.2	64.4	18.6	64.2	19.03	64.2	19.49	64	19.73	64	19.95	62.7	19.84
	5	4.1	67.6	19	67.4	19.43	67.4	19.87	67.2	20.08	67.2	20.3	62.7	18.62
110%	7	6	71	19.38	71	19.79	70.9	20.19	69.7	19.92	67.4	19.11	62.7	17.52
	9	7.9	74.7	19.76	74.5	20.16	72	19.49	69.7	18.71	67.4	17.95	62.7	16.49
	11	9.8	78.5	20.11	76.6	19.76	72	18.33	69.7	17.63	67.4	16.9	62.7	15.55
	13	11.8	81.3	19.92	76.6	18.54	72	17.19	69.7	16.55	67.4	15.9	62.7	14.63
	15	13.7	81.3	18.76	76.6	17.46	72	16.22	69.7	15.57	67.4	14.98	62.7	13.79
	-19.8	-20	38.5	13.98	38.3	14.66	38.1	15.36	38.1	15.71	38.1	16.06	37.9	16.76
	-18.8	-19	39	14.2	38.9	14.87	38.9	15.57	38.9	15.9	38.7	16.25	38.7	16.95
	-16.7	-17	40.6	14.66	40.4	15.33	41	16.01	40.2	16.33	40.2	16.65	40	17.3
	-13.7	-15	42.3	15.17	42.1	15.79	41.9	16.44	41.9	16.76	41.9	17.09	41.7	17.71
	-11.8	-13	44	15.68	44	16.28	43.8	16.87	43.8	17.19	43.6	17.49	43.6	18.11
	-9.8	-11	46.1	16.17	45.9	16.76	45.9	17.33	45.7	17.63	45.7	17.92	45.7	18.49
	-9.5	-10	47.2	16.44	47	16.98	46.8	17.57	46.8	17.84	46.8	18.14	46.7	18.71
	-8.5	-9.1	48.2	16.65	48	17.19	48	17.76	47.8	18.06	47.8	18.33	47.8	16.71
	-7	-7.6	49.9	17.03	49.9	17.54	49.7	18.08	49.7	18.35	49.7	18.62	49.5	19.16
	-5	-5.6	52.6	17.52	52.4	18.03	52.2	18.52	52.2	18.79	52.2	19.03	52	19.57
	-3	-3.7	55	17.95	55	18.44	54.9	18.92	54.9	19.16	54.7	19.41	54.7	19.89
	0	-0.7	59.4	18.62	59.4	19.08	59.2	19.54	59.2	19.76	59.2	19.97	57.5	19.6
	3	2.2	64.2	19.25	64	19.65	64	20.08	63.8	20.27	61.7	19.43	57.5	17.84
	5	4.1	67.4	19.62	67.4	20.03	66.1	19.84	63.8	19.03	61.7	18.27	57.5	16.76
	7	6	70.8	19.97	70.3	20.11	66.1	18.62	63.8	17.9	61.7	17.19	57.5	15.79
	9	7.9	74.5	20.3	70.3	18.89	66.1	17.52	63.8	16.84	61.7	16.17	57.5	14.87
	11	9.8	74.5	19.11	70.3	17.79	66.1	16.49	63.8	15.87	61.7	15.25	57.5	14.04
	13	11.8	74.5	17.92	70.3	16.68	66.1	15.49	63.8	14.93	61.7	14.33	57.5	13.23
	15	13.7	74.5	15.9	70.3	15.74	66.1	14.63	63.8	14.09	61.7	13.55	57.5	12.5

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	38.3	15.09	38.1	15.71	38.1	16.36	37.9	16.68	37.9	16.98	37.7	17.63
	-18.8	-19	38.9	15.28	38.9	15.9	38.7	16.55	38.7	16.87	38.5	17.19	38.5	17.81
	-16.7	-17	40.4	15.71	40.2	16.33	40.2	16.92	40	17.22	40	17.52	40	18.14
	-13.7	-15	42.1	16.17	41.9	16.76	41.7	17.33	41.7	17.63	41.7	17.92	41.5	18.49
	-11.8	-13	43.8	16.65	43.8	17.19	43.6	17.73	43.6	18.03	43.6	18.3	43.4	18.87
	-9.8	-11	45.9	17.09	45.7	17.63	45.7	18.17	45.7	18.44	45.5	18.68	45.5	19.22
	-9.5	-10	47	17.33	46.9	17.84	46.9	18.35	46.7	18.62	46.7	18.89	46.5	19.41
	-8.5	-9.1	48	17.52	47.8	18.06	47.8	18.54	47.8	18.79	47.6	19.06	47.6	19.54
	-7	-7.6	49.7	17.87	49.7	18.35	49.5	18.84	49.5	19.11	49.5	19.33	49.3	19.84
	-5	-5.6	52.4	18.33	52.2	18.79	52.2	19.25	52	19.46	52	19.7	51.8	20.19
	-3	-3.7	54.9	18.73	54.9	17	54.7	19.62	54.7	19.84	54.7	20.05	52.4	19.22
	0	-0.7	59.2	19.33	59.2	19.76	59	20.16	58.1	19.84	56.2	19	52.4	17.44
	3	2.2	64	19.89	63.8	20.27	60	18.76	58.1	18.03	56.2	17.3	52.4	15.9
	5	4.1	67.2	20.27	63.8	19.03	60	17.63	58.1	16.98	56.2	16.3	52.4	14.98
	7	6	67.6	19.22	63.8	17.9	60	16.6	58.1	15.98	56.2	15.36	52.4	14.12
90%	9	7.9	67.6	18.06	63.8	16.84	60	15.63	58.1	14.85	56.2	14.47	52.4	13.33
	11	9.8	67.6	17	63.8	15.87	60	14.74	58.1	14.2	56.2	13.66	52.4	12.58
	13	11.8	67.6	15.98	63.8	14.93	60	13.87	58.1	13.36	56.2	12.88	52.4	11.88
	15	13.7	67.6	15.06	63.8	14.09	60	13.12	58.1	12.63	56.2	12.15	52.4	11.26
	-19.8	-20	38	16.22	37.8	16.76	37.8	17.36	37.6	17.63	37.6	17.92	37.6	18.49
	-18.8	-19	38.6	16.38	38.6	16.98	38.4	17.52	38.4	17.81	38.4	18.08	38.2	18.65
	-16.7	-17	40.1	16.79	39.9	17.33	39.9	17.87	39.9	18.14	39.7	18.41	39.7	18.95
	-13.7	-15	41.8	17.19	41.6	17.73	41.6	18.25	41.4	18.49	41.4	18.76	41.4	19.27
	-11.8	-13	43.5	17.63	43.5	18.11	43.4	18.6	43.4	18.87	43.4	19.11	43.2	19.6
	-9.8	-11	45.6	18.03	45.6	18.49	45.4	18.98	45.4	19.22	45.4	19.46	45.2	19.95
	-9.5	-10	46.8	18.25	46.6	18.71	46.6	19.16	46.4	19.41	46.4	19.65	46.4	20.08
	-8.5	-9.1	47.7	18.44	47.7	18.89	47.5	19.33	47.5	19.54	47.5	19.79	47	19.97
	-7	-7.6	49.4	18.73	49.4	19.16	49.2	19.62	49.2	19.84	49.2	20.05	47	19.08
	-5	-5.6	52.1	19.14	51.9	19.54	51.9	19.97	51.7	20.19	50.4	19.54	47	17.92
	-3	-3.7	54.6	19.52	54.6	19.89	54	19.97	52.1	19.19	50.4	18.41	47	16.9
	0	-0.7	59.1	20.08	57.4	19.57	54	18.14	52.1	17.41	50.4	16.73	47	15.36
80%	3	2.2	60.8	19.11	57.4	17.81	54	16.52	52.1	15.9	50.4	15.25	47	14.06
	5	4.1	60.8	17.98	57.4	16.76	54	15.57	52.1	14.95	50.4	14.41	47	13.25
	7	6	60.8	16.9	57.4	15.79	54	14.66	52.1	14.12	50.4	13.58	47	12.52
	9	7.9	60.8	15.93	57.4	14.85	54	13.82	52.1	13.33	50.4	12.82	47	11.85
	11	9.8	60.8	15.01	57.4	14.01	54	13.06	52.1	12.58	50.4	12.12	47	11.2
	13	11.8	60.8	14.12	57.4	13.23	54	12.31	52.1	11.88	50.4	11.44	47	10.58
	15	13.7	60.8	13.33	57.4	12.47	54	11.66	52.1	11.26	50.4	10.85	47	10.04
	-19.8	-20	37.9	17.33	37.7	17.84	37.7	18.35	37.7	18.6	37.5	18.87	37.5	19.35
	-18.8	-19	38.5	17.49	38.5	18	38.3	18.49	38.3	18.76	38.3	19	38.1	19.52
	-16.7	-17	40	17.84	39.8	18.33	39.8	18.81	39.8	19.06	39.8	19.3	39.6	19.76
	-13.7	-15	41.7	18.22	41.5	18.68	41.5	19.14	41.5	19.35	41.3	19.6	41.3	20.08
	-11.8	-13	43.4	18.57	43.4	19.03	43.2	19.46	43.2	19.68	43.2	19.92	41.9	19.38
	-9.8	-11	45.5	18.95	45.5	19.38	45.3	19.81	45.3	20	45	19.97	41.9	18.3
	-9.5	-10	46.7	19.14	46.5	19.54	46.5	19.97	46.5	20.19	45	19.38	41.9	17.76
	-8.5	-9.1	47.6	19.33	44.3	19.73	47.4	20.11	46.5	19.65	45	18.87	41.9	17.3
	-7	-7.6	49.3	19.6	49.3	19.97	48	19.54	46.5	18.79	45	18.03	41.9	16.55
	-5	-5.6	52	19.95	51	19.84	48	18.35	46.5	17.65	45	16.95	41.9	15.57
	-3	-3.7	54.1	20.05	51	18.68	48	17.3	46.5	16.65	45	15.98	41.9	14.71
	0	-0.7	54.1	18.19	51	16.95	48	15.74	46.5	15.14	45	14.55	41.9	13.41
	3	2.2	54.1	16.57	51	15.47	48	14.39	46.5	13.85	45	13.33	41.9	12.28
	5	4.1	54.1	15.6	51	14.58	48	13.55	46.5	13.06	45	12.58	41.9	11.61
	7	6	54.1	14.71	51	13.77	48	12.79	46.5	12.36	45	11.9	41.9	10.99
	9	7.9	54.1	13.87	51	12.98	48	12.09	46.5	11.66	45	11.26	41.9	10.42
	11	9.8	54.1	13.12	51	12.25	48	11.44	46.5	11.04	45	10.66	41.9	9.88
	13	11.8	54.1	12.36	51	11.58	48	10.82	46.5	10.45	45	10.07	41.9	9.34
	15	13.7	54.1	11.69	51	10.99	48	10.26	46.5	9.91	45	9.56	41.9	8.88

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	37.6	18.46	37.4	18.89	37.4	19.33	37.4	19.54	37.4	19.79	36.5	19.57
	-18.8	-19	38.2	18.6	38.2	19.03	38	19.46	38	19.68	38	19.92	36.5	19.16
	-16.7	-17	39.7	18.89	39.7	19.33	39.5	19.76	39.5	19.97	39.2	17.79	36.5	18.27
	-13.7	-15	41.4	19.22	41.2	19.65	41.2	20.05	40.5	19.76	39.2	18.95	36.5	17.38
	-11.8	-13	43.1	19.54	43.1	19.95	42	19.46	40.5	18.71	39.2	17.95	36.5	16.47
	-9.8	-11	45.2	19.87	44.7	19.87	42	18.38	40.5	17.68	39.2	16.98	36.5	15.57
	-9.5	-10	46.4	20.05	44.7	19.27	42	17.84	40.5	17.17	39.2	16.49	36.5	15.14
	-8.5	-9.1	47.3	20.16	44.7	18.76	42	17.38	40.5	16.71	39.2	16.06	36.5	14.76
	-7	-7.6	47.3	19.25	44.7	17.92	42	16.63	40.5	16.01	39.2	15.36	36.5	14.14
	-5	-5.6	47.3	18.08	44.7	16.87	42	15.66	40.5	15.03	39.2	17.79	36.5	13.33
	-3	-3.7	47.3	17.03	44.7	15.9	42	14.76	40.5	14.2	39.2	13.66	36.5	12.61
	0	-0.7	47.3	15.49	44.7	14.49	42	13.47	40.5	12.98	39.2	12.5	36.5	11.55
	3	2.2	47.3	14.17	44.7	13.25	42	12.36	40.5	11.9	39.2	11.47	36.5	10.61
	5	4.1	47.3	13.36	44.7	12.5	42	11.69	40.5	11.26	39.2	10.85	36.5	10.04
	7	6	47.3	12.63	44.7	11.82	42	11.04	40.5	10.66	39.2	10.28	36.5	9.53
60%	9	7.9	47.3	11.93	44.7	11.2	42	10.45	40.5	10.09	39.2	9.74	36.5	9.04
	11	9.8	47.3	11.28	44.7	10.58	42	9.91	40.5	9.58	39.2	9.26	36.5	8.58
	13	11.8	47.3	10.66	44.7	10.01	42	9.37	40.5	9.07	39.2	8.75	36.5	8.15
	15	13.7	47.3	10.12	44.7	9.5	42	8.91	40.5	8.61	39.2	8.31	36.5	7.77
	-19.8	-20	37.5	19.57	37.3	19.95	36	19.19	34.9	18.44	33.7	17.71	31.4	16.22
	-18.8	-19	38.1	19.7	38.1	20.08	36	18.79	34.9	18.03	33.7	17.3	31.4	15.9
	-16.7	-17	39.6	19.97	38.3	19.33	36	17.92	34.9	17.22	33.7	16.55	31.4	15.2
	-13.7	-15	40.6	19.76	38.3	18.35	36	17.03	34.9	16.38	33.7	15.74	31.4	14.47
	-11.8	-13	40.6	18.68	38.3	17.38	36	16.14	34.9	15.55	33.7	14.93	31.4	13.82
	-9.8	-11	40.6	17.65	38.3	16.44	36	15.28	34.9	14.71	33.7	14.14	31.4	13.04
	-9.5	-10	40.6	17.17	38.3	16.01	36	14.85	34.9	14.31	33.7	13.77	31.4	12.69
	-8.5	-9.1	40.6	16.71	38.3	15.57	36	14.49	34.9	13.95	33.7	13.41	31.4	12.36
	-7	-7.6	40.6	15.98	38.3	14.93	36	13.87	34.9	13.36	33.7	12.85	31.4	11.88
	-5	-5.6	40.6	15.03	38.3	14.06	36	13.09	34.9	12.61	33.7	12.15	31.4	11.23
	-3	-3.7	40.6	14.2	38.3	13.28	36	12.36	34.9	11.93	33.7	11.5	31.4	10.63
	0	-0.7	40.6	12.98	38.3	12.15	36	11.34	34.9	10.96	33.7	10.55	31.4	9.77
50%	3	2.2	40.6	11.9	38.3	11.17	36	10.45	34.9	10.07	33.7	9.72	31.4	9.02
	5	4.1	40.6	11.26	38.3	10.55	36	9.88	34.9	9.56	33.7	9.2	31.4	8.56
	7	6	40.6	10.66	38.3	10.01	36	9.37	34.9	9.04	33.7	8.75	31.4	8.12
	9	7.9	40.6	10.09	38.3	9.47	36	8.88	34.9	8.61	33.7	8.29	31.4	7.75
	11	9.8	40.6	9.58	38.3	9.02	36	8.45	34.9	8.18	33.7	7.88	31.4	7.37
	13	11.8	40.6	9.04	38.3	8.53	36	8.02	34.9	7.77	33.7	7.5	31.4	7.02
	15	13.7	40.6	8.61	38.3	8.1	36	7.64	34.9	7.4	33.7	7.15	31.4	6.69
	-19.8	-20	33.8	17.81	31.9	16.57	30	15.39	28.9	14.82	27.9	14.25	26	13.12
	-18.8	-19	33.8	17.41	31.9	16.22	30	15.09	28.9	14.52	27.9	13.95	26	12.88
	-16.7	-17	33.8	16.63	31.9	15.49	30	14.41	28.9	13.87	27.9	13.36	26	12.34
	-13.7	-15	33.8	15.82	31.9	14.76	30	13.74	28.9	13.23	27.9	12.74	26	11.77
	-11.8	-13	33.8	15.03	31.9	14.04	30	13.06	28.9	12.58	27.9	12.12	26	11.2
	-9.8	-11	33.8	14.22	31.9	13.31	30	12.39	28.9	11.93	27.9	11.5	26	10.66
	-9.5	-10	33.8	13.85	31.9	12.93	30	12.07	28.9	11.63	27.9	11.2	26	10.36
	-8.5	-9.1	33.8	13.5	31.9	12.63	30	11.77	28.9	11.36	27.9	10.96	26	10.12
	-7	-7.6	33.8	12.93	31.9	12.12	30	11.28	28.9	10.9	27.9	10.53	26	9.74
	-5	-5.6	33.8	12.2	31.9	11.44	30	10.69	28.9	10.34	27.9	9.96	26	9.23
	-3	-3.7	33.8	11.55	31.9	10.85	30	10.12	28.9	9.8	27.9	9.45	26	8.77
	0	-0.7	33.8	10.61	31.9	9.96	30	9.34	28.9	9.02	27.9	8.72	26	8.1
	3	2.2	33.8	9.77	31.9	9.18	30	8.61	28.9	8.31	27.9	8.04	26	7.5
	5	4.1	33.8	9.26	31.9	8.72	30	8.18	28.9	7.91	27.9	7.67	26	7.13
	7	6	33.8	8.8	31.9	8.29	30	7.77	28.9	7.53	27.9	7.29	26	6.8
	9	7.9	33.8	8.34	31.9	7.88	30	7.4	28.9	7.18	27.9	6.94	26	6.48
	11	9.8	33.8	7.94	31.9	7.48	30	7.04	28.9	6.83	27.9	6.61	26	6.18
	13	11.8	33.8	7.56	31.9	7.13	30	6.69	28.9	6.51	27.9	6.29	26	5.91
	15	13.7	33.8	7.18	31.9	6.8	30	6.4	28.9	6.21	27.9	6.02	26	5.64

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	27	13.54	25.5	12.6	24	11.69	23.1	11.26	22.3	10.83	20.8	9.97
	-18.8	-19	27	13.23	25.5	12.33	24	11.47	23.1	11.04	22.3	10.61	20.8	9.79
	-16.7	-17	27	12.64	25.5	11.77	24	10.95	23.1	10.54	22.3	10.15	20.8	9.37
	-13.7	-15	27	12.02	25.5	11.22	24	10.44	23.1	10.05	22.3	9.68	20.8	8.94
	-11.8	-13	27	11.43	25.5	10.67	24	9.93	23.1	9.56	22.3	9.21	20.8	8.51
	-9.8	-11	27	10.81	25.5	10.11	24	9.42	23.1	9.07	22.3	8.74	20.8	8.1
	-9.5	-10	27	10.52	25.5	9.83	24	9.17	23.1	8.84	22.3	8.51	20.8	7.88
	-8.5	-9.1	27	10.26	25.5	9.6	24	8.94	23.1	8.64	22.3	8.33	20.8	7.69
	-7	-7.6	27	9.83	25.5	9.21	24	8.57	23.1	8.29	22.3	8	20.8	7.41
	-5	-5.6	27	9.27	25.5	8.7	24	8.12	23.1	7.86	22.3	7.57	20.8	7.02
	-3	-3.7	27	8.78	25.5	8.25	24	7.69	23.1	7.45	22.3	7.18	20.8	6.67
	0	-0.7	27	8.06	25.5	7.57	24	7.1	23.1	6.85	22.3	6.63	20.8	6.15
	3	2.2	27	7.43	25.5	6.97	24	6.54	23.1	6.32	22.3	6.11	20.8	5.7
	5	4.1	27	7.04	25.5	6.63	24	6.22	23.1	6.01	22.3	5.83	20.8	5.42
	7	6	27	6.69	25.5	6.3	24	5.91	23.1	5.72	22.3	5.54	20.8	5.17
30%	9	7.9	27	6.34	25.5	5.99	24	5.62	23.1	5.46	22.3	5.27	20.8	4.92
	11	9.8	27	6.03	25.5	5.68	24	5.35	23.1	5.19	22.3	5.03	20.8	4.7
	13	11.8	27	5.74	25.5	5.42	24	5.09	23.1	4.94	22.3	4.78	20.8	4.49
	15	13.7	27	5.46	25.5	5.17	24	4.86	23.1	4.72	22.3	4.57	20.8	4.29
	-19.8	-20	20.3	9.94	19.1	9.25	18	6.87	17.3	8.27	16.7	7.95	15.6	7.32
	-18.8	-19	20.3	9.71	19.1	9.05	18	6.74	17.3	8.1	16.7	7.79	15.6	7.18
	-16.7	-17	20.3	9.28	19.1	8.65	18	6.43	17.3	7.74	16.7	7.46	15.6	6.88
	-13.7	-15	20.3	8.83	19.1	8.24	18	6.13	17.3	7.38	16.7	7.11	15.6	6.57
	-11.8	-13	20.3	8.39	19.1	7.83	18	5.83	17.3	7.02	16.7	6.76	15.6	6.25
	-9.8	-11	20.3	7.94	19.1	7.43	18	5.53	17.3	6.66	16.7	6.42	15.6	5.95
	-9.5	-10	20.3	7.73	19.1	7.21	18	5.39	17.3	6.49	16.7	6.25	15.6	5.78
	-8.5	-9.1	20.3	7.53	19.1	7.05	18	5.25	17.3	6.34	16.7	6.11	15.6	5.65
	-7	-7.6	20.3	7.21	19.1	6.76	18	5.04	17.3	6.08	16.7	5.87	15.6	5.44
	-5	-5.6	20.3	6.81	19.1	6.39	18	4.77	17.3	5.77	16.7	5.56	15.6	5.15
	-3	-3.7	20.3	6.45	19.1	6.05	18	4.52	17.3	5.47	16.7	5.27	15.6	4.89
	0	-0.7	20.3	5.92	19.1	5.56	18	4.17	17.3	5.03	16.7	4.86	15.6	4.52
20%	3	2.2	20.3	5.45	19.1	5.12	18	3.84	17.3	4.64	16.7	4.49	15.6	4.19
	5	4.1	20.3	5.17	19.1	4.86	18	3.65	17.3	4.41	16.7	4.28	15.6	3.98
	7	6	20.3	4.91	19.1	4.62	18	3.47	17.3	4.2	16.7	4.07	15.6	3.8
	9	7.9	20.3	4.65	19.1	4.4	18	3.3	17.3	4.01	16.7	3.87	15.6	3.61
	11	9.8	20.3	4.43	19.1	4.17	18	3.14	17.3	3.81	16.7	3.69	15.6	3.45
	13	11.8	20.3	4.22	19.1	3.98	18	2.99	17.3	3.63	16.7	3.51	15.6	3.3
	15	13.7	20.3	4.01	19.1	3.8	18	2.86	17.3	3.46	16.7	3.36	15.6	3.15
	-19.8	-20	13.5	6.41	12.8	5.97	12	5.54	11.5	5.33	11.2	5.13	10.4	4.72
	-18.8	-19	13.5	6.27	12.8	5.84	12	5.43	11.5	5.23	11.2	5.02	10.4	4.64
	-16.7	-17	13.5	5.99	12.8	5.58	12	5.19	11.5	4.99	11.2	4.81	10.4	4.44
	-13.7	-15	13.5	5.69	12.8	5.32	12	4.95	11.5	4.76	11.2	4.59	10.4	4.24
	-11.8	-13	13.5	5.41	12.8	5.05	12	4.7	11.5	4.53	11.2	4.36	10.4	4.03
	-9.8	-11	13.5	5.12	12.8	4.79	12	4.46	11.5	4.29	11.2	4.14	10.4	3.84
	-9.5	-10	13.5	4.98	12.8	4.65	12	4.34	11.5	4.19	11.2	4.03	10.4	3.73
	-8.5	-9.1	13.5	4.86	12.8	4.55	12	4.24	11.5	4.09	11.2	3.95	10.4	3.64
	-7	-7.6	13.5	4.65	12.8	4.36	12	4.06	11.5	3.93	11.2	3.79	10.4	3.51
	-5	-5.6	13.5	4.39	12.8	4.12	12	3.85	11.5	3.72	11.2	3.59	10.4	3.32
	-3	-3.7	13.5	4.16	12.8	3.91	12	3.64	11.5	3.53	11.2	3.4	10.4	3.16
	0	-0.7	13.5	3.82	12.8	3.59	12	3.36	11.5	3.25	11.2	3.14	10.4	2.92
	3	2.2	13.5	3.52	12.8	3.3	12	3.1	11.5	2.99	11.2	2.9	10.4	2.7
	5	4.1	13.5	3.33	12.8	3.14	12	2.94	11.5	2.85	11.2	2.76	10.4	2.57
	7	6	13.5	3.17	12.8	2.98	12	2.8	11.5	2.71	11.2	2.62	10.4	2.45
	9	7.9	13.5	3	12.8	2.84	12	2.66	11.5	2.58	11.2	2.5	10.4	2.33
	11	9.8	13.5	2.86	12.8	2.69	12	2.54	11.5	2.46	11.2	2.38	10.4	2.23
	13	11.8	13.5	2.72	12.8	2.57	12	2.41	11.5	2.34	11.2	2.26	10.4	2.13
	15	13.7	13.5	2.58	12.8	2.45	12	2.3	11.5	2.23	11.2	2.12	10.4	2.03

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR220ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	38.8	12.42	38.7	13.31	38.5	14.20	38.5	14.62	38.3	15.06	38.3	15.94
	-18.8	-19	39.4	12.70	39.2	13.56	39.2	14.45	39	14.89	39	15.28	38.8	16.17
	-16.7	-17	41	13.31	40.8	14.13	40.6	14.97	40.6	15.36	40.6	15.80	40.4	16.62
	-13.7	-15	42.7	13.91	42.5	14.71	42.3	15.51	42.3	15.91	42.1	16.32	42.1	17.11
	-11.8	-13	44.4	14.54	44.4	15.31	44.2	16.05	44	16.45	44	16.86	43.8	17.60
	-9.8	-11	46.5	15.17	46.3	15.91	46.1	16.62	46.1	17.00	46.1	17.37	45.9	18.12
	-9.5	-10	47.6	15.51	47.4	16.20	47.2	16.91	47.2	17.28	47	17.63	47	18.34
	-8.5	-9.1	48.6	15.77	48.4	16.45	48.4	17.18	48.2	17.52	48.2	17.85	48	18.58
	-7	-7.6	50.3	16.22	50.3	16.91	50.1	17.57	50.1	17.92	49.9	18.23	49.7	18.91
	-5	-5.6	53	16.86	52.8	17.48	52.6	18.12	52.6	18.46	52.4	18.75	52.4	19.37
	-3	-3.7	55.4	17.40	55.2	18.00	55.2	18.60	55	18.91	55	19.23	54.8	19.81
	0	-0.7	59.8	18.23	59.8	18.80	59.6	19.35	59.6	19.57	59.4	19.92	59.4	20.49
	3	2.2	64.6	19.00	64.4	19.52	64.2	20.03	64.2	20.29	64.2	20.58	64	21.07
	5	4.1	67.8	19.46	67.6	19.97	67.6	20.46	67.4	20.72	67.4	20.95	67.2	21.44
	7	6	71.2	19.94	71	20.38	71	20.87	70.8	21.09	70.8	21.32	68	20.49
	9	7.9	74.8	20.35	74.7	20.80	74.7	21.24	74.5	21.46	73	21.00	68	19.23
120%	11	9.8	78.7	20.75	78.5	21.17	78.1	21.44	75.4	20.60	73	19.74	68	18.12
	13	11.8	82.8	21.15	82.7	21.54	78.1	20.09	75.4	19.29	73	18.54	68	17.00
	15	13.7	86.8	21.52	83	20.41	78.1	18.91	75.4	18.20	73	17.46	68	16.05
	-19.8	-20	38.7	13.62	38.5	14.42	38.3	15.26	38.3	15.63	38.3	16.05	38.1	16.86
	-18.8	-19	39.2	13.88	39	14.68	39	15.48	38.9	15.85	38.9	16.29	38.7	17.08
	-16.7	-17	40.8	14.42	40.6	15.19	40.3	15.94	40.4	16.34	40.4	16.74	40.2	17.48
	-13.7	-15	42.5	14.99	42.3	15.74	42.1	16.45	42.1	16.86	42.1	17.20	41.9	17.94
	-11.8	-13	44.2	15.56	44.2	16.29	44	16.97	44	17.35	43.8	17.68	43.8	18.41
	-9.8	-11	46.3	16.17	46.1	16.83	46.1	17.52	45.9	17.85	45.9	18.17	45.7	18.86
	-9.5	-10	47.4	16.45	47.2	17.11	47	17.77	47	18.12	47	18.43	46.9	19.08
	-8.5	-9.1	48.4	16.71	48.2	17.35	48.2	18.00	48	18.31	48	18.66	47.8	19.29
	-7	-7.6	50.1	17.14	50.1	17.77	49.9	18.37	49.9	18.69	49.7	19.00	49.7	19.60
	-5	-5.6	52.8	17.68	52.6	18.29	52.4	18.88	52.4	19.17	52.4	19.49	52.2	20.03
	-3	-3.7	55.2	18.23	55.2	18.80	55	19.35	55	19.60	54.9	19.92	54.9	20.46
	0	-0.7	59.6	19.00	59.6	19.52	59.4	20.03	59.4	20.29	59.2	20.55	59.2	21.07
	3	2.2	64.4	19.72	64.2	20.18	64.2	20.66	64	20.92	64	21.15	62.7	21.04
110%	5	4.1	67.6	20.14	67.4	20.60	67.4	21.07	67.2	21.29	67.2	21.52	62.7	19.74
	7	6	71	20.55	71	20.98	70.9	21.41	69.7	21.12	67.4	20.26	62.7	18.58
	9	7.9	74.7	20.95	74.5	21.37	72	20.66	69.7	19.84	67.4	19.03	62.7	17.48
	11	9.8	78.5	21.32	76.6	20.95	72	19.43	69.7	18.69	67.4	17.92	62.7	16.49
	13	11.8	81.3	21.12	76.6	19.66	72	18.23	69.7	17.55	67.4	16.86	62.7	15.51
	15	13.7	81.3	19.89	76.6	18.51	72	17.20	69.7	16.51	67.4	15.88	62.7	14.62
	-19.8	-20	38.5	14.82	38.3	15.54	38.1	16.29	38.1	16.66	38.1	17.03	37.9	17.77
	-18.8	-19	39	15.06	38.9	15.77	38.9	16.51	38.9	16.86	38.7	17.23	38.7	17.97
	-16.7	-17	40.6	15.54	40.4	16.25	41	16.97	40.2	17.31	40.2	17.65	40	18.34
	-13.7	-15	42.3	16.08	42.1	16.74	41.9	17.43	41.9	17.77	41.9	18.12	41.7	18.78
	-11.8	-13	44	16.62	44	17.26	43.8	17.89	43.8	18.23	43.6	18.54	43.6	19.20
	-9.8	-11	46.1	17.14	45.9	17.77	45.9	18.37	45.7	18.69	45.7	19.00	45.7	19.60
	-9.5	-10	47.2	17.43	47	18.00	46.8	18.63	46.8	18.91	46.8	19.23	46.7	19.84
	-8.5	-9.1	48.2	17.65	48	18.23	48	18.83	47.8	19.15	47.8	19.43	47.8	17.72
	-7	-7.6	49.9	18.06	49.9	18.60	49.7	19.17	49.7	19.46	49.7	19.74	49.5	20.31
	-5	-5.6	52.6	18.58	52.4	19.12	52.2	19.64	52.2	19.92	52.2	20.18	52	20.75
	-3	-3.7	55	19.03	55	19.55	54.9	20.06	54.9	20.31	54.7	20.58	54.7	21.09
	0	-0.7	59.4	19.74	59.4	20.23	59.2	20.72	59.2	20.95	59.2	21.17	57.5	20.78
	3	2.2	64.2	20.41	64	20.83	64	21.29	63.8	21.49	61.7	20.60	57.5	18.91
	5	4.1	67.4	20.80	67.4	21.24	66.1	21.04	63.8	20.18	61.7	19.37	57.5	17.77
	7	6	70.8	21.17	70.3	21.32	66.1	19.74	63.8	18.98	61.7	18.23	57.5	16.74
	9	7.9	74.5	21.52	70.3	20.03	66.1	18.58	63.8	17.85	61.7	17.14	57.5	15.77
	11	9.8	74.5	20.26	70.3	18.86	66.1	17.48	63.8	16.83	61.7	16.17	57.5	14.89
	13	11.8	74.5	19.00	70.3	17.68	66.1	16.42	63.8	15.83	61.7	15.19	57.5	14.03
	15	13.7	74.5	16.86	70.3	16.69	66.1	15.51	63.8	14.94	61.7	14.37	57.5	13.25

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	38.3	16.00	38.1	16.66	38.1	17.35	37.9	17.68	37.9	18.00	37.7	18.69
	-18.8	-19	38.9	16.20	38.9	16.86	38.7	17.55	38.7	17.89	38.5	18.23	38.5	18.88
	-16.7	-17	40.4	16.66	40.2	17.31	40.2	17.94	40	18.26	40	18.58	40	19.23
	-13.7	-15	42.1	17.14	41.9	17.77	41.7	18.37	41.7	18.69	41.7	19.00	41.5	19.60
	-11.8	-13	43.8	17.65	43.8	18.23	43.6	18.80	43.6	19.12	43.6	19.40	43.4	20.01
	-9.8	-11	45.9	18.12	45.7	18.69	45.7	19.26	45.7	19.55	45.5	19.81	45.5	20.38
	-9.5	-10	47	18.37	46.9	18.91	46.9	19.46	46.7	19.74	46.7	20.03	46.5	20.58
	-8.5	-9.1	48	18.58	47.8	19.15	47.8	19.66	47.8	19.92	47.6	20.21	47.6	20.72
	-7	-7.6	49.7	18.95	49.7	19.46	49.5	19.97	49.5	20.26	49.5	20.49	49.3	21.04
	-5	-5.6	52.4	19.43	52.2	19.92	52.2	20.41	52	20.63	52	20.89	51.8	21.41
	-3	-3.7	54.9	19.86	54.9	20.02	54.7	20.80	54.7	21.04	54.7	21.26	52.4	20.38
	0	-0.7	59.2	20.49	59.2	20.95	59	21.37	58.1	21.04	56.2	20.14	52.4	18.49
	3	2.2	64	21.09	63.8	21.49	60	19.89	58.1	19.12	56.2	18.34	52.4	16.86
	5	4.1	67.2	21.49	63.8	20.18	60	18.69	58.1	18.00	56.2	17.28	52.4	15.88
	7	6	67.6	20.38	63.8	18.98	60	17.60	58.1	16.94	56.2	16.29	52.4	14.97
90%	9	7.9	67.6	19.15	63.8	17.85	60	16.57	58.1	15.74	56.2	15.34	52.4	14.13
	11	9.8	67.6	18.02	63.8	16.83	60	15.63	58.1	15.06	56.2	14.48	52.4	13.34
	13	11.8	67.6	16.94	63.8	15.83	60	14.71	58.1	14.16	56.2	13.66	52.4	12.60
	15	13.7	67.6	15.97	63.8	14.94	60	13.91	58.1	13.39	56.2	12.88	52.4	11.94
	-19.8	-20	38	17.20	37.8	17.77	37.8	18.41	37.6	18.69	37.6	19.00	37.6	19.60
	-18.8	-19	38.6	17.37	38.6	18.00	38.4	18.58	38.4	18.88	38.4	19.17	38.2	19.77
	-16.7	-17	40.1	17.80	39.9	18.37	39.9	18.95	39.9	19.23	39.7	19.52	39.7	20.09
	-13.7	-15	41.8	18.23	41.6	18.80	41.6	19.35	41.4	19.60	41.4	19.89	41.4	20.43
	-11.8	-13	43.5	18.69	43.5	19.20	43.4	19.72	43.4	20.01	43.4	20.26	43.2	20.78
	-9.8	-11	45.6	19.12	45.6	19.60	45.4	20.12	45.4	20.38	45.4	20.63	45.2	21.15
	-9.5	-10	46.8	19.35	46.6	19.84	46.6	20.31	46.4	20.58	46.4	20.83	46.4	21.29
	-8.5	-9.1	47.7	19.55	47.7	20.03	47.5	20.49	47.5	20.72	47.5	20.98	47	21.17
	-7	-7.6	49.4	19.86	49.4	20.31	49.2	20.80	49.2	21.04	49.2	21.26	47	20.23
	-5	-5.6	52.1	20.29	51.9	20.72	51.9	21.17	51.7	21.41	50.4	20.72	47	19.00
	-3	-3.7	54.6	20.70	54.6	21.09	54	21.17	52.1	20.35	50.4	19.52	47	17.92
80%	0	-0.7	59.1	21.29	57.4	20.75	54	19.23	52.1	18.46	50.4	17.74	47	16.29
	3	2.2	60.8	20.26	57.4	18.88	54	17.52	52.1	16.86	50.4	16.17	47	14.91
	5	4.1	60.8	19.06	57.4	17.77	54	16.51	52.1	15.85	50.4	15.28	47	14.05
	7	6	60.8	17.92	57.4	16.74	54	15.54	52.1	14.97	50.4	14.40	47	13.27
	9	7.9	60.8	16.89	57.4	15.74	54	14.65	52.1	14.13	50.4	13.59	47	12.56
	11	9.8	60.8	15.91	57.4	14.85	54	13.85	52.1	13.34	50.4	12.85	47	11.87
	13	11.8	60.8	14.97	57.4	14.03	54	13.05	52.1	12.60	50.4	12.13	47	11.22
	15	13.7	60.8	14.13	57.4	13.22	54	12.36	52.1	11.94	50.4	11.50	47	10.64
	-19.8	-20	37.9	18.37	37.7	18.91	37.7	19.46	37.7	19.72	37.5	20.01	37.5	20.52
	-18.8	-19	38.5	18.54	38.5	19.08	38.3	19.60	38.3	19.89	38.3	20.14	38.1	20.70
	-16.7	-17	40	18.91	39.8	19.43	39.8	19.94	39.8	20.21	39.8	20.46	39.6	20.95
	-13.7	-15	41.7	19.32	41.5	19.81	41.5	20.29	41.5	20.52	41.3	20.78	41.3	21.29
	-11.8	-13	43.4	19.69	43.4	20.18	43.2	20.63	43.2	20.87	43.2	21.12	41.9	20.55
	-9.8	-11	45.5	20.09	45.5	20.55	45.3	21.00	45.3	21.20	45	21.17	41.9	19.40
	-9.5	-10	46.7	20.29	46.5	20.72	46.5	21.17	46.5	21.41	45	20.55	41.9	18.83
	-8.5	-9.1	47.6	20.49	44.3	20.92	47.4	21.32	46.5	20.83	45	20.01	41.9	18.34

Note: TC: Total capacity, PI: Power input.

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## Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	37.6	19.57	37.4	20.03	37.4	20.49	37.4	20.72	37.4	20.98	36.5	20.75
	-18.8	-19	38.2	19.72	38.2	20.18	38	20.63	38	20.87	38	21.12	36.5	20.31
	-16.7	-17	39.7	20.03	39.7	20.49	39.5	20.95	39.5	21.17	39.2	18.86	36.5	19.37
	-13.7	-15	41.4	20.38	41.2	20.83	41.2	21.26	40.5	20.95	39.2	20.09	36.5	18.43
	-11.8	-13	43.1	20.72	43.1	21.15	42	20.63	40.5	19.84	39.2	19.03	36.5	17.46
	-9.8	-11	45.2	21.07	44.7	21.07	42	19.49	40.5	18.75	39.2	18.00	36.5	16.51
	-9.5	-10	46.4	21.26	44.7	20.43	42	18.91	40.5	18.20	39.2	17.48	36.5	16.05
	-8.5	-9.1	47.3	21.37	44.7	19.89	42	18.43	40.5	17.72	39.2	17.03	36.5	15.65
	-7	-7.6	47.3	20.41	44.7	19.00	42	17.63	40.5	16.97	39.2	16.29	36.5	14.99
	-5	-5.6	47.3	19.17	44.7	17.89	42	16.60	40.5	15.94	39.2	18.86	36.5	14.13
	-3	-3.7	47.3	18.06	44.7	16.86	42	15.65	40.5	15.06	39.2	14.48	36.5	13.37
	0	-0.7	47.3	16.42	44.7	15.36	42	14.28	40.5	13.76	39.2	13.25	36.5	12.25
	3	2.2	47.3	15.02	44.7	14.05	42	13.10	40.5	12.62	39.2	12.16	36.5	11.25
	5	4.1	47.3	14.16	44.7	13.25	42	12.39	40.5	11.94	39.2	11.50	36.5	10.64
	7	6	47.3	13.39	44.7	12.53	42	11.71	40.5	11.30	39.2	10.90	36.5	10.10
60%	9	7.9	47.3	12.65	44.7	11.87	42	11.08	40.5	10.70	39.2	10.33	36.5	9.58
	11	9.8	47.3	11.96	44.7	11.22	42	10.51	40.5	10.16	39.2	9.82	36.5	9.10
	13	11.8	47.3	11.30	44.7	10.61	42	9.93	40.5	9.62	39.2	9.28	36.5	8.64
	15	13.7	47.3	10.73	44.7	10.07	42	9.45	40.5	9.13	39.2	8.81	36.5	8.24
	-19.8	-20	37.5	20.75	37.3	21.15	36	20.35	34.9	19.55	33.7	18.78	31.4	17.20
	-18.8	-19	38.1	20.89	38.1	21.29	36	19.92	34.9	19.12	33.7	18.34	31.4	16.86
	-16.7	-17	39.6	21.17	38.3	20.49	36	19.00	34.9	18.26	33.7	17.55	31.4	16.12
	-13.7	-15	40.6	20.95	38.3	19.46	36	18.06	34.9	17.37	33.7	16.69	31.4	15.34
	-11.8	-13	40.6	19.81	38.3	18.43	36	17.11	34.9	16.49	33.7	15.83	31.4	14.65
	-9.8	-11	40.6	18.71	38.3	17.43	36	16.20	34.9	15.60	33.7	14.99	31.4	13.83
	-9.5	-10	40.6	18.20	38.3	16.97	36	15.74	34.9	15.17	33.7	14.60	31.4	13.45
	-8.5	-9.1	40.6	17.72	38.3	16.51	36	15.36	34.9	14.79	33.7	14.22	31.4	13.10
	-7	-7.6	40.6	16.94	38.3	15.83	36	14.71	34.9	14.16	33.7	13.62	31.4	12.60
	-5	-5.6	40.6	15.94	38.3	14.91	36	13.88	34.9	13.37	33.7	12.88	31.4	11.91
	-3	-3.7	40.6	15.06	38.3	14.08	36	13.10	34.9	12.65	33.7	12.19	31.4	11.27
	0	-0.7	40.6	13.76	38.3	12.88	36	12.02	34.9	11.62	33.7	11.19	31.4	10.36
50%	3	2.2	40.6	12.62	38.3	11.84	36	11.08	34.9	10.68	33.7	10.31	31.4	9.56
	5	4.1	40.6	11.94	38.3	11.19	36	10.48	34.9	10.14	33.7	9.75	31.4	9.08
	7	6	40.6	11.30	38.3	10.61	36	9.93	34.9	9.58	33.7	9.28	31.4	8.61
	9	7.9	40.6	10.70	38.3	10.04	36	9.41	34.9	9.13	33.7	8.79	31.4	8.22
	11	9.8	40.6	10.16	38.3	9.56	36	8.96	34.9	8.67	33.7	8.35	31.4	7.81
	13	11.8	40.6	9.58	38.3	9.04	36	8.50	34.9	8.24	33.7	7.95	31.4	7.44
	15	13.7	40.6	9.13	38.3	8.59	36	8.10	34.9	7.85	33.7	7.58	31.4	7.09
	-19.8	-20	33.8	18.88	31.9	17.57	30	16.32	28.9	15.71	27.9	15.11	26	13.91
	-18.8	-19	33.8	18.46	31.9	17.20	30	16.00	28.9	15.39	27.9	14.79	26	13.66
	-16.7	-17	33.8	17.63	31.9	16.42	30	15.28	28.9	14.71	27.9	14.16	26	13.08
	-13.7	-15	33.8	16.77	31.9	15.65	30	14.57	28.9	14.03	27.9	13.51	26	12.48
	-11.8	-13	33.8	15.94	31.9	14.89	30	13.85	28.9	13.34	27.9	12.85	26	11.87
	-9.8	-11	33.8	15.08	31.9	14.11	30	13.14	28.9	12.65	27.9	12.19	26	11.30
	-9.5	-10	33.8	14.68	31.9	13.71	30	12.80	28.9	12.33	27.9	11.87	26	10.98
	-8.5	-9.1	33.8	14.31	31.9	13.39	30	12.48	28.9	12.04	27.9	11.62	26	10.73
	-7	-7.6	33.8	13.71	31.9	12.85	30	11.96	28.9	11.56	27.9	11.16	26	10.33
	-5	-5.6	33.8	12.93	31.9	12.13	30	11.33	28.9	10.96	27.9	10.56	26	9.79
	-3	-3.7	33.8	12.25	31.9	11.50	30	10.73	28.9	10.39	27.9	10.02	26	9.30
	0	-0.7	33.8	11.25	31.9	10.56	30	9.90	28.9	9.56	27.9	9.25	26	8.59
	3	2.2	33.8	10.36	31.9	9.73	30	9.13	28.9	8.81	27.9	8.52	26	7.95
	5	4.1	33.8	9.82	31.9	9.25	30	8.67	28.9	8.39	27.9	8.13	26	7.56
	7	6	33.8	9.33	31.9	8.79	30	8.24	28.9	7.98	27.9	7.73	26	7.21
	9	7.9	33.8	8.84	31.9	8.35	30	7.85	28.9	7.61	27.9	7.36	26	6.87
	11	9.8	33.8	8.42	31.9	7.93	30	7.46	28.9	7.24	27.9	7.01	26	6.55
	13	11.8	33.8	8.02	31.9	7.56	30	7.09	28.9	6.90	27.9	6.67	26	6.27
	15	13.7	33.8	7.61	31.9	7.21	30	6.79	28.9	6.58	27.9	6.38	26	5.98

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	27	14.36	25.5	13.36	24	12.39	23.1	11.94	22.3	11.48	20.8	10.57
	-18.8	-19	27	14.03	25.5	13.07	24	12.16	23.1	11.71	22.3	11.25	20.8	10.38
	-16.7	-17	27	13.40	25.5	12.48	24	11.61	23.1	11.17	22.3	10.76	20.8	9.93
	-13.7	-15	27	12.74	25.5	11.90	24	11.07	23.1	10.66	22.3	10.26	20.8	9.48
	-11.8	-13	27	12.12	25.5	11.31	24	10.53	23.1	10.14	22.3	9.76	20.8	9.02
	-9.8	-11	27	11.46	25.5	10.72	24	9.99	23.1	9.62	22.3	9.27	20.8	8.59
	-9.5	-10	27	11.15	25.5	10.42	24	9.72	23.1	9.37	22.3	9.02	20.8	8.35
	-8.5	-9.1	27	10.88	25.5	10.18	24	9.48	23.1	9.16	22.3	8.83	20.8	8.15
	-7	-7.6	27	10.42	25.5	9.76	24	9.09	23.1	8.79	22.3	8.48	20.8	7.86
	-5	-5.6	27	9.83	25.5	9.22	24	8.61	23.1	8.33	22.3	8.03	20.8	7.44
	-3	-3.7	27	9.31	25.5	8.75	24	8.15	23.1	7.90	22.3	7.61	20.8	7.07
	0	-0.7	27	8.55	25.5	8.03	24	7.53	23.1	7.26	22.3	7.03	20.8	6.52
	3	2.2	27	7.88	25.5	7.39	24	6.93	23.1	6.70	22.3	6.48	20.8	6.04
	5	4.1	27	7.46	25.5	7.03	24	6.59	23.1	6.37	22.3	6.18	20.8	5.75
	7	6	27	7.09	25.5	6.68	24	6.27	23.1	6.06	22.3	5.87	20.8	5.48
30%	9	7.9	27	6.72	25.5	6.35	24	5.96	23.1	5.79	22.3	5.59	20.8	5.22
	11	9.8	27	6.39	25.5	6.02	24	5.67	23.1	5.50	22.3	5.33	20.8	4.98
	13	11.8	27	6.09	25.5	5.75	24	5.40	23.1	5.24	22.3	5.07	20.8	4.76
	15	13.7	27	5.79	25.5	5.48	24	5.15	23.1	5.00	22.3	4.85	20.8	4.55
	-19.8	-20	20.3	10.54	19.1	9.81	18	7.28	17.3	8.77	16.7	8.43	15.6	7.76
	-18.8	-19	20.3	10.29	19.1	9.60	18	7.15	17.3	8.59	16.7	8.26	15.6	7.61
	-16.7	-17	20.3	9.84	19.1	9.17	18	6.82	17.3	8.21	16.7	7.91	15.6	7.29
	-13.7	-15	20.3	9.36	19.1	8.74	18	6.50	17.3	7.82	16.7	7.54	15.6	6.97
	-11.8	-13	20.3	8.90	19.1	8.30	18	6.18	17.3	7.44	16.7	7.17	15.6	6.63
	-9.8	-11	20.3	8.42	19.1	7.88	18	5.86	17.3	7.06	16.7	6.81	15.6	6.31
	-9.5	-10	20.3	8.20	19.1	7.64	18	5.71	17.3	6.88	16.7	6.63	15.6	6.13
	-8.5	-9.1	20.3	7.98	19.1	7.47	18	5.57	17.3	6.72	16.7	6.48	15.6	5.99
	-7	-7.6	20.3	7.64	19.1	7.17	18	5.34	17.3	6.45	16.7	6.22	15.6	5.77
	-5	-5.6	20.3	7.22	19.1	6.77	18	5.06	17.3	6.12	16.7	5.89	15.6	5.46
	-3	-3.7	20.3	6.84	19.1	6.41	18	4.79	17.3	5.80	16.7	5.59	15.6	5.18
	0	-0.7	20.3	6.28	19.1	5.89	18	4.42	17.3	5.33	16.7	5.15	15.6	4.79
20%	3	2.2	20.3	5.78	19.1	5.43	18	4.07	17.3	4.92	16.7	4.76	15.6	4.44
	5	4.1	20.3	5.48	19.1	5.15	18	3.87	17.3	4.68	16.7	4.54	15.6	4.22
	7	6	20.3	5.21	19.1	4.90	18	3.68	17.3	4.45	16.7	4.32	15.6	4.03
	9	7.9	20.3	4.93	19.1	4.67	18	3.50	17.3	4.25	16.7	4.10	15.6	3.83
	11	9.8	20.3	4.70	19.1	4.42	18	3.33	17.3	4.04	16.7	3.91	15.6	3.66
	13	11.8	20.3	4.47	19.1	4.22	18	3.17	17.3	3.85	16.7	3.72	15.6	3.50
	15	13.7	20.3	4.25	19.1	4.03	18	3.03	17.3	3.67	16.7	3.56	15.6	3.34
	-19.8	-20	13.5	6.80	12.8	6.33	12	5.87	11.5	5.65	11.2	5.44	10.4	5.00
	-18.8	-19	13.5	6.65	12.8	6.19	12	5.76	11.5	5.55	11.2	5.32	10.4	4.92
	-16.7	-17	13.5	6.35	12.8	5.92	12	5.50	11.5	5.29	11.2	5.10	10.4	4.71
	-13.7	-15	13.5	6.03	12.8	5.64	12	5.25	11.5	5.05	11.2	4.87	10.4	4.50
	-11.8	-13	13.5	5.74	12.8	5.35	12	4.98	11.5	4.80	11.2	4.62	10.4	4.27
	-9.8	-11	13.5	5.43	12.8	5.08	12	4.73	11.5	4.55	11.2	4.39	10.4	4.07
	-9.5	-10	13.5	5.28	12.8	4.93	12	4.60	11.5	4.44	11.2	4.27	10.4	3.95
	-8.5	-9.1	13.5	5.15	12.8	4.82	12	4.50	11.5	4.34	11.2	4.19	10.4	3.86
	-7	-7.6	13.5	4.93	12.8	4.62	12	4.30	11.5	4.17	11.2	4.02	10.4	3.72
	-5	-5.6	13.5	4.65	12.8	4.37	12	4.08	11.5	3.94	11.2	3.81	10.4	3.52
	-3	-3.7	13.5	4.41	12.8	4.15	12	3.86	11.5	3.74	11.2	3.60	10.4	3.35
	0	-0.7	13.5	4.05	12.8	3.81	12	3.56	11.5	3.45	11.2	3.33	10.4	3.10
	3	2.2	13.5	3.73	12.8	3.50	12	3.29	11.5	3.17	11.2	3.07	10.4	2.86
	5	4.1	13.5	3.53	12.8	3.33	12	3.12	11.5	3.02	11.2	2.93	10.4	2.72
	7	6	13.5	3.36	12.8	3.16	12	2.97	11.5	2.87	11.2	2.78	10.4	2.60
	9	7.9	13.5	3.18	12.8	3.01	12	2.82	11.5	2.74	11.2	2.65	10.4	2.47
	11	9.8	13.5	3.03	12.8	2.85	12	2.69	11.5	2.61	11.2	2.52	10.4	2.36
	13	11.8	13.5	2.88	12.8	2.72	12	2.56	11.5	2.48	11.2	2.40	10.4	2.26
	15	13.7	13.5	2.74	12.8	2.60	12	2.44	11.5	2.36	11.2	2.36	10.4	2.15

Note: TC: Total capacity, PI: Power input.

Outdoor unit

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Recommended Combination Table

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Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

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**■ TMR240ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	48.6	13.12	48.4	14.06	48.2	15	48.2	15.46	47.8	15.9	47.8	16.84
	-18.8	-19	49.2	13.42	49	14.34	49	15.28	48.8	15.72	48.8	16.16	48.6	17.08
	-16.7	-17	51.2	14.06	51	14.94	50.8	15.82	50.8	16.24	50.8	16.7	50.4	17.58
	-13.7	-15	53.4	14.7	53.2	15.54	52.8	16.4	52.8	16.82	52.6	17.24	52.6	18.08
	-11.8	-13	55.4	15.36	55.4	16.18	55.2	16.96	55	17.4	55	17.82	54.8	18.6
	-9.8	-11	58.2	16.02	57.8	16.82	57.6	17.58	57.6	17.96	57.6	18.36	57.4	19.14
	-9.5	-10	59.6	16.4	59.2	17.12	59	17.88	59	18.26	58.8	18.64	58.8	19.38
	-8.5	-9.1	60.8	16.66	60.4	17.4	60.4	18.14	60.2	18.5	60.2	18.88	60	19.62
	-7	-7.6	62.8	17.14	62.8	17.88	62.6	18.56	62.6	18.94	62.4	19.26	62.2	20
	-5	-5.6	66.2	17.82	66	18.48	65.8	19.14	65.8	19.5	65.4	19.8	65.4	20.48
	-3	-3.7	69.2	18.38	69	19.02	69	19.66	68.8	20	68.8	20.32	68.6	20.92
	0	-0.7	74.8	19.26	74.8	19.88	74.6	20.44	74.6	20.68	74.2	21.04	74.2	21.66
	3	2.2	80.6	20.08	80.4	20.62	80.2	21.18	80.2	21.44	80.2	21.74	80	22.26
	5	4.1	84.8	20.56	84.6	21.12	84.6	21.62	84.2	21.9	84.2	22.14	84	22.66
	7	6	89	21.08	88.8	21.54	88.8	22.04	88.6	22.28	88.6	22.54	85	21.66
	9	7.9	93.6	21.5	93.4	21.98	93.4	22.44	93	22.68	91.2	22.2	85	20.32
120%	11	9.8	98.4	21.92	98	22.38	97.6	22.66	94.2	21.78	91.2	20.86	85	19.14
	13	11.8	103.6	22.36	103.4	22.78	97.6	21.24	94.2	20.38	91.2	19.6	85	17.96
	15	13.7	108.6	22.74	103.8	21.56	97.6	20	94.2	19.24	91.2	18.44	85	16.96
	-19.8	-20	48.4	14.4	48	15.24	47.8	16.12	47.8	16.52	47.8	16.96	47.6	17.82
	-18.8	-19	49	14.66	48.8	15.52	48.8	16.36	48.6	16.76	48.6	17.2	48.4	18.06
	-16.7	-17	51	15.24	50.8	16.06	50.4	16.84	50.4	17.26	50.4	17.7	50.2	18.48
	-13.7	-15	53.2	15.84	52.8	16.64	52.6	17.4	52.6	17.82	52.6	18.18	52.4	18.96
	-11.8	-13	55.2	16.46	55.2	17.2	55	17.94	55	18.32	54.8	18.7	54.8	19.44
	-9.8	-11	57.8	17.08	57.6	17.78	57.6	18.5	57.4	18.88	57.4	19.2	57.2	19.94
	-9.5	-10	59.4	17.4	59	18.08	58.8	18.78	58.8	19.14	58.8	19.48	58.6	20.18
	-8.5	-9.1	60.4	17.66	60.2	18.32	60.2	19.02	60	19.36	60	19.72	59.8	20.38
	-7	-7.6	62.6	18.12	62.6	18.78	62.4	19.42	62.4	19.74	62.2	20.08	62.2	20.72
	-5	-5.6	66	18.7	65.8	19.32	65.4	19.96	65.4	20.26	65.4	20.6	65.2	21.18
	-3	-3.7	69	19.26	69	19.88	68.8	20.44	68.8	20.72	68.6	21.04	68.6	21.62
	0	-0.7	74.6	20.08	74.6	20.62	74.2	21.18	74.2	21.44	74	21.72	74	22.26
	3	2.2	80.4	20.84	80.2	21.32	80.2	21.84	80	22.1	80	22.36	78.4	22.22
	5	4.1	84.6	21.3	84.2	21.78	84.2	22.26	84	22.5	84	22.74	78.4	20.86
110%	7	6	88.8	21.72	88.8	22.16	88.6	22.62	87.2	22.32	84.2	21.42	78.4	19.62
	9	7.9	93.4	22.14	93.2	22.6	90	21.84	87.2	20.96	84.2	20.12	78.4	18.48
	11	9.8	98	22.54	95.8	22.14	90	20.54	87.2	19.74	84.2	18.94	78.4	17.42
	13	11.8	101.6	22.32	95.8	20.78	90	19.26	87.2	18.54	84.2	17.82	78.4	16.4
	15	13.7	101.6	21.02	95.8	19.56	90	18.18	87.2	17.46	84.2	16.78	78.4	15.46
	-19.8	-20	48	15.66	47.8	16.42	47.6	17.2	47.6	17.6	47.6	18	47.4	18.78
	-18.8	-19	48.8	15.9	48.6	16.66	48.6	17.46	48.6	17.82	48.4	18.2	48.4	19
	-16.7	-17	50.8	16.42	50.4	17.18	51.2	17.94	50.2	18.3	50.2	18.66	50	19.38
	-13.7	-15	52.8	17	52.6	17.7	52.4	18.42	52.4	18.78	52.4	19.14	52.2	19.84
	-11.8	-13	55	17.58	55	18.24	54.8	18.9	54.8	19.26	54.6	19.6	54.6	20.3
	-9.8	-11	57.6	18.12	57.4	18.78	57.4	19.42	57.2	19.74	57.2	20.08	57.2	20.72
	-9.5	-10	59	18.42	58.8	19.02	58.6	19.68	58.6	20	58.6	20.32	58.4	20.96
	-8.5	-9.1	60.2	18.66	60	19.26	60	19.9	59.8	20.24	59.8	20.54	59.8	18.72
	-7	-7.6	62.4	19.08	62.4	19.66	62.2	20.26	62.2	20.56	62.2	20.86	62	21.48
	-5	-5.6	65.8	19.62	65.4	20.2	65.2	20.74	65.2	21.04	65.2	21.32	65	21.92
	-3	-3.7	68.8	20.12	68.8	20.66	68.6	21.2	68.6	21.48	68.4	21.74	68.4	22.28
	0	-0.7	74.2	20.86	74.2	21.38	74	21.9	74	22.14	74	22.38	72	21.96
	3	2.2	80.2	21.56	80	22.02	80	22.5	79.8	22.72	77.2	21.78	72	20
	5	4.1	84.2	21.98	84.2	22.44	82.6	22.22	79.8	21.32	77.2	20.48	72	18.78
	7	6	88.6	22.38	87.8	22.54	82.6	20.86	79.8	20.06	77.2	19.26	72	17.7
	9	7.9	93	22.74	87.8	21.18	82.6	19.62	79.8	18.88	77.2	18.12	72	16.66
	11	9.8	93	21.42	87.8	19.94	82.6	18.48	79.8	17.78	77.2	17.08	72	15.72
	13	11.8	93	20.08	87.8	18.7	82.6	17.36	79.8	16.72	77.2	16.06	72	14.82
	15	13.7	93	17.82	87.8	17.64	82.6	16.4	79.8	15.78	77.2	15.18	72	14

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	47.8	16.9	47.6	17.6	47.6	18.32	47.4	18.7	47.4	19.02	47.2	19.74
	-18.8	-19	48.6	17.12	48.6	17.82	48.4	18.54	48.4	18.9	48.2	19.26	48.2	19.96
	-16.7	-17	50.4	17.6	50.2	18.3	50.2	18.96	50	19.3	50	19.62	50	20.32
	-13.7	-15	52.6	18.12	52.4	18.78	52.2	19.42	52.2	19.74	52.2	20.08	52	20.72
	-11.8	-13	54.8	18.66	54.8	19.26	54.6	19.88	54.6	20.2	54.6	20.5	54.2	21.14
	-9.8	-11	57.4	19.14	57.2	19.74	57.2	20.36	57.2	20.66	56.8	20.92	56.8	21.54
	-9.5	-10	58.8	19.42	58.6	20	58.6	20.56	58.4	20.86	58.4	21.18	58	21.74
	-8.5	-9.1	60	19.62	59.8	20.24	59.8	20.78	59.8	21.04	59.6	21.36	59.6	21.9
	-7	-7.6	62.2	20.02	62.2	20.56	62	21.12	62	21.42	62	21.66	61.6	22.22
	-5	-5.6	65.4	20.54	65.2	21.04	65.2	21.56	65	21.8	65	22.08	64.8	22.62
	-3	-3.7	68.6	20.98	68.6	21.06	68.4	21.98	68.4	22.22	68.4	22.48	65.4	21.54
	0	-0.7	74	21.66	74	22.14	73.8	22.6	72.6	22.22	70.2	21.3	65.4	19.54
	3	2.2	80	22.28	79.8	22.72	75	21.02	72.6	20.2	70.2	19.38	65.4	17.82
	5	4.1	84	22.72	79.8	21.32	75	19.74	72.6	19.02	70.2	18.26	65.4	16.78
	7	6	84.6	21.54	79.8	20.06	75	18.6	72.6	17.9	70.2	17.2	65.4	15.82
90%	9	7.9	84.6	20.24	79.8	18.88	75	17.52	72.6	16.64	70.2	16.22	65.4	14.94
	11	9.8	84.6	19.06	79.8	17.78	75	16.52	72.6	15.9	70.2	15.3	65.4	14.1
	13	11.8	84.6	17.9	79.8	16.72	75	15.54	72.6	14.98	70.2	14.42	65.4	13.3
	15	13.7	84.6	16.88	79.8	15.78	75	14.7	72.6	14.16	70.2	13.6	65.4	12.62
	-19.8	-20	47.6	18.18	47.4	18.78	47.4	19.44	47	19.74	47	20.08	47	20.72
	-18.8	-19	48.2	18.36	48.2	19.02	48	19.62	48	19.96	48	20.26	47.8	20.9
	-16.7	-17	50.2	18.82	50	19.42	50	20.02	50	20.32	49.6	20.62	49.6	21.24
	-13.7	-15	52.2	19.26	52	19.88	52	20.44	51.8	20.72	51.8	21.02	51.8	21.6
	-11.8	-13	54.4	19.74	54.4	20.3	54.2	20.84	54.2	21.14	54.2	21.42	54	21.96
	-9.8	-11	57	20.2	57	20.72	56.8	21.26	56.8	21.54	56.8	21.8	56.6	22.36
	-9.5	-10	58.4	20.44	58.2	20.96	58.2	21.48	58	21.74	58	22.02	58	22.5
	-8.5	-9.1	59.6	20.66	59.6	21.18	59.4	21.66	59.4	21.9	59.4	22.16	58.6	22.38
	-7	-7.6	61.8	20.98	61.8	21.48	61.6	21.98	61.6	22.22	61.6	22.48	58.6	21.38
	-5	-5.6	65.2	21.44	64.8	21.9	64.8	22.38	64.6	22.62	63	21.9	58.6	20.08
	-3	-3.7	68.2	21.86	68.2	22.28	67.6	22.38	65.2	21.5	63	20.62	58.6	18.94
80%	0	-0.7	74	22.5	71.8	21.92	67.6	20.32	65.2	19.5	63	18.76	58.6	17.2
	3	2.2	76	21.42	71.8	19.96	67.6	18.5	65.2	17.82	63	17.08	58.6	15.76
	5	4.1	76	20.14	71.8	18.78	67.6	17.46	65.2	16.76	63	16.16	58.6	14.84
	7	6	76	18.94	71.8	17.7	67.6	16.42	65.2	15.82	63	15.22	58.6	14.04
	9	7.9	76	17.84	71.8	16.64	67.6	15.48	65.2	14.94	63	14.36	58.6	13.28
	11	9.8	76	16.82	71.8	15.7	67.6	14.64	65.2	14.1	63	13.58	58.6	12.56
	13	11.8	76	15.82	71.8	14.82	67.6	13.8	65.2	13.3	63	12.82	58.6	11.86
	15	13.7	76	14.94	71.8	13.98	67.6	13.06	65.2	12.62	63	12.16	58.6	11.26
	-19.8	-20	47.4	19.42	47.2	20	47.2	20.56	47.2	20.84	46.8	21.14	46.8	21.68
	-18.8	-19	48	19.6	48	20.18	47.8	20.72	47.8	21.02	47.8	21.3	47.6	21.86
	-16.7	-17	50	20	49.8	20.54	49.8	21.08	49.8	21.36	49.8	21.62	49.6	22.14
	-13.7	-15	52.2	20.42	52	20.92	52	21.44	52	21.68	51.6	21.96	51.6	22.5
	-11.8	-13	54.2	20.8	54.2	21.32	54	21.8	54	22.04	54	22.32	52.4	21.72
	-9.8	-11	57	21.24	57	21.72	56.6	22.2	56.6	22.42	56.2	22.38	52.4	20.5
	-9.5	-10	58.4	21.44	58	21.9	58.2	22.38	58.2	22.62	56.2	21.72	52.4	19.9
	-8.5	-9.1	59.6	21.66	55.4	22.1	59.2	22.54	58.2	22.02	56.2	21.14	52.4	19.38

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	47	20.68	46.8	21.18	46.8	21.66	46.8	21.9	46.8	22.16	45.6	21.92
	-18.8	-19	47.8	20.84	47.8	21.32	47.6	21.8	47.6	22.04	47.6	22.32	45.6	21.48
	-16.7	-17	49.6	21.18	49.6	21.66	49.4	22.14	49.4	22.38	49	19.94	45.6	20.48
	-13.7	-15	51.8	21.54	51.6	22.02	51.6	22.48	50.6	22.14	49	21.24	45.6	19.48
	-11.8	-13	54	21.9	54	22.36	52.6	21.8	50.6	20.96	49	20.12	45.6	18.44
	-9.8	-11	56.6	22.26	55.8	22.26	52.6	20.6	50.6	19.8	49	19.02	45.6	17.46
	-9.5	-10	58	22.48	55.8	21.6	52.6	20	50.6	19.24	49	18.48	45.6	16.96
	-8.5	-9.1	59.2	22.6	55.8	21.02	52.6	19.48	50.6	18.72	49	18	45.6	16.54
	-7	-7.6	59.2	21.56	55.8	20.08	52.6	18.64	50.6	17.94	49	17.2	45.6	15.84
	-5	-5.6	59.2	20.26	55.8	18.9	52.6	17.54	50.6	16.84	49	19.94	45.6	14.94
	-3	-3.7	59.2	19.08	55.8	17.82	52.6	16.54	50.6	15.9	49	15.3	45.6	14.12
	0	-0.7	59.2	17.36	55.8	16.24	52.6	15.1	50.6	14.54	49	14	45.6	12.94
	3	2.2	59.2	15.88	55.8	14.84	52.6	13.86	50.6	13.34	49	12.86	45.6	11.88
	5	4.1	59.2	14.98	55.8	14	52.6	13.1	50.6	12.62	49	12.16	45.6	11.26
	7	6	59.2	14.16	55.8	13.24	52.6	12.36	50.6	11.94	49	11.52	45.6	10.68
	9	7.9	59.2	13.36	55.8	12.56	52.6	11.7	50.6	11.32	49	10.92	45.6	10.14
60%	11	9.8	59.2	12.64	55.8	11.86	52.6	11.1	50.6	10.74	49	10.38	45.6	9.62
	13	11.8	59.2	11.94	55.8	11.22	52.6	10.5	50.6	10.16	49	9.8	45.6	9.14
	15	13.7	59.2	11.34	55.8	10.64	52.6	9.98	50.6	9.64	49	9.32	45.6	8.72
	-19.8	-20	47	21.92	46.6	22.36	45	21.5	43.6	20.66	42.2	19.84	39.2	18.18
	-18.8	-19	47.6	22.08	47.6	22.5	45	21.04	43.6	20.2	42.2	19.38	39.2	17.82
	-16.7	-17	49.6	22.38	47.8	21.66	45	20.08	43.6	19.3	42.2	18.54	39.2	17.02
	-13.7	-15	50.8	22.14	47.8	20.56	45	19.08	43.6	18.36	42.2	17.64	39.2	16.22
	-11.8	-13	50.8	20.92	47.8	19.48	45	18.08	43.6	17.42	42.2	16.72	39.2	15.48
	-9.8	-11	50.8	19.78	47.8	18.42	45	17.12	43.6	16.48	42.2	15.84	39.2	14.6
	-9.5	-10	50.8	19.24	47.8	17.94	45	16.64	43.6	16.02	42.2	15.42	39.2	14.22
	-8.5	-9.1	50.8	18.72	47.8	17.46	45	16.24	43.6	15.64	42.2	15.04	39.2	13.86
	-7	-7.6	50.8	17.9	47.8	16.72	45	15.54	43.6	14.98	42.2	14.4	39.2	13.3
	-5	-5.6	50.8	16.84	47.8	15.76	45	14.66	43.6	14.12	42.2	13.6	39.2	12.58
	-3	-3.7	50.8	15.9	47.8	14.88	45	13.86	43.6	13.36	42.2	12.88	39.2	11.92
	0	-0.7	50.8	14.54	47.8	13.6	45	12.7	43.6	12.28	42.2	11.82	39.2	10.94
	3	2.2	50.8	13.34	47.8	12.52	45	11.7	43.6	11.28	42.2	10.88	39.2	10.1
50%	5	4.1	50.8	12.62	47.8	11.82	45	11.06	43.6	10.7	42.2	10.32	39.2	9.58
	7	6	50.8	11.94	47.8	11.22	45	10.5	43.6	10.14	42.2	9.8	39.2	9.1
	9	7.9	50.8	11.32	47.8	10.62	45	9.96	43.6	9.64	42.2	9.28	39.2	8.68
	11	9.8	50.8	10.74	47.8	10.1	45	9.46	43.6	9.16	42.2	8.84	39.2	8.26
	13	11.8	50.8	10.14	47.8	9.56	45	8.98	43.6	8.72	42.2	8.4	39.2	7.86
	15	13.7	50.8	9.64	47.8	9.08	45	8.56	43.6	8.28	42.2	8.02	39.2	7.5
	-19.8	-20	42.2	19.96	39.8	18.56	37.6	17.24	36	16.6	34.8	15.96	32.6	14.7
	-18.8	-19	42.2	19.5	39.8	18.18	37.6	16.9	36	16.28	34.8	15.64	32.6	14.42
	-16.7	-17	42.2	18.64	39.8	17.36	37.6	16.16	36	15.54	34.8	14.98	32.6	13.82
	-13.7	-15	42.2	17.72	39.8	16.54	37.6	15.4	36	14.82	34.8	14.28	32.6	13.18
	-11.8	-13	42.2	16.84	39.8	15.72	37.6	14.64	36	14.1	34.8	13.58	32.6	12.56
	-9.8	-11	42.2	15.94	39.8	14.92	37.6	13.88	36	13.36	34.8	12.88	32.6	11.94
	-9.5	-10	42.2	15.52	39.8	14.48	37.6	13.52	36	13.04	34.8	12.56	32.6	11.62
	-8.5	-9.1	42.2	15.12	39.8	14.16	37.6	13.18	36	12.74	34.8	12.28	32.6	11.34
	-7	-7.6	42.2	14.48	39.8	13.58	37.6	12.64	36	12.22	34.8	11.8	32.6	10.92
	-5	-5.6	42.2	13.68	39.8	12.82	37.6	11.98	36	11.58	34.8	11.16	32.6	10.34
	-3	-3.7	42.2	12.94	39.8	12.16	37.6	11.34	36	10.98	34.8	10.58	32.6	9.82
	0	-0.7	42.2	11.88	39.8	11.16	37.6	10.46	36	10.1	34.8	9.76	32.6	9.08
	3	2.2	42.2	10.94	39.8	10.28	37.6	9.64	36	9.32	34.8	9.02	32.6	8.4
	5	4.1	42.2	10.38	39.8	9.76	37.6	9.16	36	8.86	34.8	8.58	32.6	7.98
	7	6	42.2	9.86	39.8	9.28	37.6	8.72	36	8.44	34.8	8.16	32.6	7.62
	9	7.9	42.2	9.34	39.8	8.84	37.6	8.28	36	8.04	34.8	7.78	32.6	7.26
	11	9.8	42.2	8.9	39.8	8.38	37.6	7.9	36	7.66	34.8	7.4	32.6	6.92
	13	11.8	42.2	8.46	39.8	7.98	37.6	7.5	36	7.28	34.8	7.04	32.6	6.62
	15	13.7	42.2	8.04	39.8	7.62	37.6	7.16	36	6.96	34.8	6.74	32.6	6.32

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	33.8	15.18	31.8	14.12	30	13.1	28.8	12.62	28	12.14	26	11.18
	-18.8	-19	33.8	14.82	31.8	13.82	30	12.84	28.8	12.36	28	11.88	26	10.96
	-16.7	-17	33.8	14.16	31.8	13.2	30	12.28	28.8	11.82	28	11.38	26	10.5
	-13.7	-15	33.8	13.46	31.8	12.58	30	11.7	28.8	11.26	28	10.84	26	10.02
	-11.8	-13	33.8	12.8	31.8	11.96	30	11.12	28.8	10.72	28	10.32	26	9.54
	-9.8	-11	33.8	12.12	31.8	11.34	30	10.56	28.8	10.16	28	9.8	26	9.08
	-9.5	-10	33.8	11.8	31.8	11	30	10.28	28.8	9.9	28	9.54	26	8.82
	-8.5	-9.1	33.8	11.5	31.8	10.76	30	10.02	28.8	9.68	28	9.34	26	8.62
	-7	-7.6	33.8	11	31.8	10.32	30	9.6	28.8	9.28	28	8.96	26	8.3
	-5	-5.6	33.8	10.38	31.8	9.74	30	9.1	28.8	8.8	28	8.48	26	7.86
	-3	-3.7	33.8	9.84	31.8	9.24	30	8.62	28.8	8.34	28	8.04	26	7.48
	0	-0.7	33.8	9.04	31.8	8.48	30	7.96	28.8	7.68	28	7.42	26	6.9
	3	2.2	33.8	8.32	31.8	7.82	30	7.34	28.8	7.08	28	6.84	26	6.38
	5	4.1	33.8	7.88	31.8	7.42	30	6.96	28.8	6.74	28	6.52	26	6.06
	7	6	33.8	7.5	31.8	7.06	30	6.62	28.8	6.42	28	6.2	26	5.8
30%	9	7.9	33.8	7.1	31.8	6.72	30	6.3	28.8	6.12	28	5.9	26	5.52
	11	9.8	33.8	6.76	31.8	6.36	30	6	28.8	5.82	28	5.64	26	5.26
	13	11.8	33.8	6.44	31.8	6.06	30	5.7	28.8	5.54	28	5.36	26	5.04
	15	13.7	33.8	6.12	31.8	5.8	30	5.44	28.8	5.28	28	5.12	26	4.8
	-19.8	-20	25.4	11.14	24	10.36	22.6	7.7	21.6	9.26	21	8.92	19.6	8.2
	-18.8	-19	25.4	10.88	24	10.14	22.6	7.54	21.6	9.08	21	8.72	19.6	8.04
	-16.7	-17	25.4	10.4	24	9.68	22.6	7.2	21.6	8.68	21	8.36	19.6	7.72
	-13.7	-15	25.4	9.88	24	9.24	22.6	6.88	21.6	8.26	21	7.96	19.6	7.36
	-11.8	-13	25.4	9.4	24	8.78	22.6	6.54	21.6	7.86	21	7.58	19.6	7
	-9.8	-11	25.4	8.9	24	8.32	22.6	6.2	21.6	7.46	21	7.18	19.6	6.66
	-9.5	-10	25.4	8.66	24	8.08	22.6	6.04	21.6	7.28	21	7	19.6	6.48
	-8.5	-9.1	25.4	8.44	24	7.9	22.6	5.88	21.6	7.1	21	6.86	19.6	6.32
	-7	-7.6	25.4	8.08	24	7.58	22.6	5.64	21.6	6.82	21	6.58	19.6	6.1
	-5	-5.6	25.4	7.62	24	7.16	22.6	5.34	21.6	6.46	21	6.22	19.6	5.78
	-3	-3.7	25.4	7.22	24	6.78	22.6	5.06	21.6	6.12	21	5.9	19.6	5.48
20%	0	-0.7	25.4	6.64	24	6.22	22.6	4.68	21.6	5.64	21	5.46	19.6	5.06
	3	2.2	25.4	6.1	24	5.74	22.6	4.3	21.6	5.2	21	5.02	19.6	4.7
	5	4.1	25.4	5.78	24	5.46	22.6	4.1	21.6	4.94	21	4.8	19.6	4.46
	7	6	25.4	5.5	24	5.18	22.6	3.88	21.6	4.7	21	4.56	19.6	4.26
	9	7.9	25.4	5.22	24	4.92	22.6	3.7	21.6	4.48	21	4.34	19.6	4.06
	11	9.8	25.4	4.96	24	4.68	22.6	3.52	21.6	4.26	21	4.14	19.6	3.86
	13	11.8	25.4	4.72	24	4.46	22.6	3.34	21.6	4.06	21	3.94	19.6	3.7
	15	13.7	25.4	4.48	24	4.26	22.6	3.2	21.6	3.88	21	3.76	19.6	3.52
	-19.8	-20	17	7.18	16	6.68	15	6.2	14.4	5.98	14	5.74	13	5.3
	-18.8	-19	17	7.02	16	6.54	15	6.08	14.4	5.86	14	5.62	13	5.2
	-16.7	-17	17	6.7	16	6.24	15	5.82	14.4	5.6	14	5.38	13	4.98
	-13.7	-15	17	6.38	16	5.96	15	5.54	14.4	5.34	14	5.14	13	4.74
	-11.8	-13	17	6.06	16	5.66	15	5.26	14.4	5.08	14	4.88	13	4.52
	-9.8	-11	17	5.74	16	5.36	15	5	14.4	4.82	14	4.64	13	4.3
	-9.5	-10	17	5.58	16	5.22	15	4.86	14.4	4.7	14	4.52	13	4.18
	-8.5	-9.1	17	5.44	16	5.1	15	4.74	14.4	4.58	14	4.42	13	4.08

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR260ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	52.8	15.03	52.5	16.1	52.3	17.18	52.3	17.7	52	18.21	52	19.29
	-18.8	-19	53.6	15.37	53.3	16.42	53.3	17.49	53	18.01	53	18.49	52.8	19.57
	-16.7	-17	55.6	16.1	55.4	17.1	55.1	18.12	55.1	18.6	55.1	19.12	54.8	20.13
	-13.7	-15	58	16.84	57.7	17.8	57.4	18.77	57.4	19.26	57.2	19.74	57.2	20.71
	-11.8	-13	60.3	17.6	60.3	18.52	60	19.43	59.8	19.91	59.8	20.4	59.5	21.3
	-9.8	-11	63.1	18.35	62.9	19.26	62.6	20.13	62.6	20.57	62.6	21.02	62.4	21.92
	-9.5	-10	64.7	18.77	64.4	19.6	64.2	20.47	64.2	20.92	63.9	21.33	63.9	22.2
	-8.5	-9.1	66	19.08	65.7	19.91	65.7	20.78	65.5	21.19	65.5	21.61	65.2	22.47
	-7	-7.6	68.3	19.63	68.3	20.47	68	21.27	68	21.68	67.8	22.06	67.5	22.89
	-5	-5.6	71.9	20.4	71.7	21.16	71.4	21.92	71.4	22.34	71.1	22.69	71.1	23.45
	-3	-3.7	75.3	21.05	75	21.78	75	22.52	74.8	22.89	74.8	23.28	74.5	23.97
	0	-0.7	81.2	22.06	81.2	22.75	81	23.41	81	23.69	80.7	24.11	80.7	24.8
	3	2.2	87.7	23	87.4	23.62	87.2	24.25	87.2	24.56	87.2	24.9	86.9	25.5
	5	4.1	92.1	23.55	91.9	24.17	91.9	24.76	91.6	25.08	91.6	25.36	91.3	25.94
	7	6	96.8	24.14	96.5	24.66	96.5	25.25	96.2	25.53	96.2	25.81	92.4	24.8
	9	7.9	101.7	24.62	101.4	25.18	101.4	25.7	101.2	25.98	99.1	25.42	92.4	23.28
	11	9.8	106.9	25.11	106.6	25.62	106.1	25.94	102.5	24.94	99.1	23.89	92.4	21.92
	13	11.8	112.5	25.59	112.3	26.08	106.1	24.31	102.5	23.34	99.1	22.44	92.4	20.57
	15	13.7	118	26.04	112.8	24.7	106.1	22.89	102.5	22.03	99.1	21.13	92.4	19.43
120%	-19.8	-20	52.5	16.48	52.3	17.46	52	18.46	52	18.91	52	19.43	51.7	20.4
	-18.8	-19	53.3	16.79	53	17.77	53	18.74	52.8	19.19	52.8	19.71	52.5	20.68
	-16.7	-17	55.4	17.46	55.1	18.4	54.8	19.29	54.8	19.77	54.8	20.26	54.6	21.16
	-13.7	-15	57.7	18.15	57.4	19.05	57.2	19.91	57.2	20.4	57.2	20.82	56.9	21.72
	-11.8	-13	60	18.84	60	19.71	59.8	20.54	59.8	20.99	59.5	21.41	59.5	22.27
	-9.8	-11	62.9	19.57	62.6	20.36	62.6	21.19	62.4	21.61	62.4	21.99	62.1	22.83
	-9.5	-10	64.4	19.91	64.2	20.71	63.9	21.5	63.9	21.92	63.9	22.3	63.7	23.1
	-8.5	-9.1	65.7	20.22	65.5	20.99	65.5	21.78	65.2	22.16	65.2	22.58	64.9	23.34
	-7	-7.6	68	20.74	68	21.5	67.8	22.24	67.8	22.61	67.5	23	67.5	23.72
	-5	-5.6	71.7	21.41	71.4	22.13	71.1	22.86	71.1	23.2	71.1	23.58	70.9	24.25
	-3	-3.7	75	22.06	75	22.75	74.8	23.41	74.8	23.72	74.5	24.11	74.5	24.76
	0	-0.7	81	23	81	23.62	80.7	24.25	80.7	24.56	80.5	24.87	80.5	25.5
	3	2.2	87.4	23.86	87.2	24.42	87.2	25	86.9	25.31	86.9	25.59	85.1	25.45
	5	4.1	91.9	24.39	91.6	24.94	91.6	25.5	91.3	25.76	91.3	26.04	85.1	23.89
	7	6	96.5	24.87	96.5	25.39	96.3	25.9	94.7	25.56	91.6	24.52	85.1	22.47
	9	7.9	101.4	25.36	101.2	25.87	97.8	25	94.7	24	91.6	23.03	85.1	21.16
	11	9.8	106.6	25.81	104	25.36	97.8	23.52	94.7	22.61	91.6	21.68	85.1	19.94
	13	11.8	110.5	25.56	104	23.8	97.8	22.06	94.7	21.24	91.6	20.4	85.1	18.77
	15	13.7	110.5	24.08	104	22.41	97.8	20.82	94.7	19.99	91.6	19.22	85.1	17.7
110%	-19.8	-20	52.3	17.94	52	18.8	51.7	19.71	51.7	20.16	51.8	20.61	51.5	21.5
	-18.8	-19	53	18.21	52.8	19.08	52.8	19.99	52.8	20.4	52.5	20.85	52.5	21.75
	-16.7	-17	55.1	18.8	54.8	19.68	55.6	20.54	54.6	20.96	54.6	21.36	54.3	22.2
	-13.7	-15	57.4	19.46	57.2	20.26	56.9	21.1	56.9	21.5	56.9	21.92	56.7	22.72
	-11.8	-13	59.8	20.13	59.8	20.88	59.5	21.64	59.5	22.06	59.3	22.44	59.3	23.24
	-9.8	-11	62.6	20.74	62.4	21.5	62.4	22.24	62.1	22.61	62.1	23	62.1	23.72
	-9.5	-10	64.2	21.1	63.9	21.78	63.6	22.55	63.6	22.89	63.6	23.28	63.4	24
	-8.5	-9.1	65.5	21.36	65.2	22.06	65.2	22.78	64.9	23.17	64.9	23.52	64.9	21.44
	-7	-7.6	67.8	21.86	67.8	22.52	67.5	23.2	67.5	23.55	67.5	23.89	67.3	24.59
	-5	-5.6	71.4	22.47	71.1	23.14	70.9	23.76	70.9	24.11	70.9	24.42	70.6	25.11
	-3	-3.7	74.8	23.03	74.8	23.66	74.5	24.28	74.5	24.59	74.3	24.9	74.3	25.53
	0	-0.7	80.7	23.89	80.7	24.48	80.5	25.08	80.5	25.36	80.5	25.62	78.1	25.14
	3	2.2	87.2	24.7	86.9	25.22	86.9	25.76	86.7	26.01	83.8	24.94	78.1	22.89
	5	4.1	91.6	25.18	91.6	25.7	89.8	25.45	86.7	24.42	83.8	23.45	78.1	21.5
	7	6	96.2	25.62	95.5	25.81	89.8	23.89	86.7	22.97	83.8	22.06	78.1	20.26
	9	7.9	101.2	26.04	95.5	24.25	89.8	22.47	86.7	21.61	83.8	20.74	78.1	19.08
	11	9.8	101.2	24.52	95.5	22.83	89.8	21.16	86.7	20.36	83.8	19.57	78.1	18.01
	13	11.8	101.2	23	95.5	21.41	89.8	19.88	86.7	19.15	83.8	18.4	78.1	16.98
	15	13.7	101.2	20.4	95.5	20.19	89.8	18.77	86.7	18.08	83.8	17.38	78.1	16.04

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	52	19.36	51.7	20.16	51.7	20.99	51.5	21.41	51.5	21.78	51.2	22.61
	-18.8	-19	52.8	19.6	52.8	20.4	52.5	21.24	52.5	21.64	52.3	22.06	52.3	22.86
	-16.7	-17	54.8	20.16	54.6	20.96	54.6	21.72	54.3	22.1	54.3	22.47	54.3	23.28
	-13.7	-15	57.2	20.74	56.9	21.5	56.7	22.24	56.7	22.61	56.7	23	56.4	23.72
	-11.8	-13	59.5	21.36	59.5	22.06	59.3	22.75	59.3	23.14	59.3	23.48	59	24.2
	-9.8	-11	62.4	21.92	62.1	22.61	62.1	23.31	62.1	23.66	61.8	23.97	61.8	24.66
	-9.5	-10	63.9	22.24	63.7	22.89	63.7	23.55	63.4	23.89	63.4	24.25	63.1	24.9
	-8.5	-9.1	65.2	22.47	64.9	23.17	64.9	23.8	64.9	24.11	64.7	24.45	64.7	25.08
	-7	-7.6	67.5	22.92	67.5	23.55	67.3	24.17	67.3	24.52	67.3	24.8	67	25.45
	-5	-5.6	71.1	23.52	70.9	24.11	70.9	24.7	70.6	24.97	70.6	25.28	70.4	25.9
	-3	-3.7	74.5	24.03	74.5	21.82	74.3	25.18	74.3	25.45	74.3	25.73	71.1	24.66
	0	-0.7	80.5	24.8	80.5	25.36	80.2	25.87	78.9	25.45	76.3	24.39	71.1	22.38
	3	2.2	86.9	25.53	86.7	26.01	81.5	24.08	78.9	23.14	76.3	22.2	71.1	20.4
	5	4.1	91.3	26.01	86.7	24.42	81.5	22.61	78.9	21.78	76.3	20.92	71.1	19.22
	7	6	91.9	24.66	86.7	22.97	81.5	21.3	78.9	20.5	76.3	19.71	71.1	18.12
90%	9	7.9	91.9	23.17	86.7	21.61	81.5	20.05	78.9	19.05	76.3	18.57	71.1	17.1
	11	9.8	91.9	21.82	86.7	20.36	81.5	18.91	78.9	18.21	76.3	17.52	71.1	16.14
	13	11.8	91.9	20.5	86.7	19.15	81.5	17.8	78.9	17.15	76.3	16.52	71.1	15.24
	15	13.7	91.9	19.32	86.7	18.08	81.5	16.84	78.9	16.21	76.3	15.59	71.1	14.45
	-19.8	-20	51.7	20.82	51.4	21.5	51.4	22.27	51.2	22.61	51.2	23	51.2	23.72
	-18.8	-19	52.5	21.02	52.5	21.78	52.2	22.47	52.2	22.86	52.2	23.2	52	23.94
	-16.7	-17	54.5	21.55	54.3	22.24	54.3	22.92	54.3	23.28	54	23.62	54	24.31
	-13.7	-15	56.9	22.06	56.6	22.75	56.6	23.41	56.3	23.72	56.3	24.08	56.3	24.73
	-11.8	-13	59.2	22.61	59.2	23.24	58.9	23.86	58.9	24.2	58.9	24.52	58.7	25.14
	-9.8	-11	62	23.14	62	23.72	61.8	24.34	61.8	24.66	61.8	24.97	61.5	25.59
	-9.5	-10	63.6	23.41	63.3	24	63.3	24.59	63.1	24.9	63.1	25.22	63.1	25.76
	-8.5	-9.1	64.9	23.66	64.9	24.25	64.6	24.8	64.6	25.08	64.6	25.39	63.8	25.62
	-7	-7.6	67.2	24.03	67.2	24.59	66.9	25.18	66.9	25.45	66.9	25.73	63.8	24.48
	-5	-5.6	70.7	24.56	70.6	25.08	70.6	25.62	70.2	25.9	68.4	25.08	63.8	23
	-3	-3.7	74.2	25.04	74.2	25.53	73.4	25.62	70.7	24.62	68.4	23.62	63.8	21.68
80%	0	-0.7	80.3	25.76	78	25.11	73.4	23.28	70.7	22.34	68.4	21.47	63.8	19.71
	3	2.2	82.6	24.52	78	22.86	73.4	21.19	70.7	20.4	68.4	19.57	63.8	18.04
	5	4.1	82.6	23.06	78	21.5	73.4	19.99	70.7	19.19	68.4	18.49	63.8	17.01
	7	6	82.6	21.68	78	20.26	73.4	18.8	70.7	18.12	68.4	17.42	63.8	16.07
	9	7.9	82.6	20.44	78	19.05	73.4	17.73	70.7	17.1	68.4	16.45	63.8	15.2
	11	9.8	82.6	19.26	78	17.98	73.4	16.76	70.7	16.14	68.4	15.56	63.8	14.37
	13	11.8	82.6	18.12	78	16.98	73.4	15.79	70.7	15.24	68.4	14.68	63.8	13.58
	15	13.7	82.6	17.1	78	16	73.4	14.96	70.7	14.45	68.4	13.92	63.8	12.89
	-19.8	-20	51.5	22.24	51.2	22.89	51.2	23.55	51.2	23.86	51	24.2	51	24.83
	-18.8	-19	52.3	22.44	52.3	23.1	52	23.72	52	24.08	52	24.39	51.7	25.04
	-16.7	-17	54.3	22.89	54.1	23.52	54.1	24.14	54.1	24.45	54.1	24.76	53.8	25.36
	-13.7	-15	56.7	23.38	56.4	23.97	56.4	24.56	56.4	24.83	56.1	25.14	56.1	25.76
	-11.8	-13	59	23.83	59	24.42	58.7	24.97	58.7	25.25	58.7	25.56	56.9	24.87
	-9.8	-11	61.8	24.31	61.8	24.87	61.6	25.42	61.6	25.67	61.1	25.62	56.9	23.48
	-9.5	-10	63.4	24.56	63.1	25.08	63.1	25.62	63.1	25.9	61.1	24.87	56.9	22.78
	-8.5	-9.1	64.7	24.8	60.1	25.31	64.4	25.81	63.1	25.22	61.1	24.2	56.9	22.2

Note: TC: Total capacity, PI: Power input.

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# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	51.2	23.69	50.9	24.25	50.9	24.8	50.9	25.08	50.9	25.39	49.6	25.11
	-18.8	-19	51.9	23.86	51.9	24.42	51.7	24.97	51.7	25.25	51.7	25.56	49.6	24.59
	-16.7	-17	53.9	24.25	53.9	24.8	53.7	25.36	53.7	25.62	53.2	22.83	49.6	23.45
	-13.7	-15	56.2	24.66	56.1	25.22	56.1	25.73	55	25.36	53.2	24.31	49.6	22.3
	-11.8	-13	58.5	25.08	58.5	25.59	57.1	24.97	55	24	53.2	23.03	49.6	21.13
	-9.8	-11	61.4	25.5	60.7	25.5	57.1	23.58	55	22.69	53.2	21.78	49.6	19.99
	-9.5	-10	62.9	25.73	60.7	24.73	57.1	22.89	55	22.03	53.2	21.16	49.6	19.43
	-8.5	-9.1	64.2	25.87	60.7	24.08	57.1	22.3	55	21.44	53.2	20.61	49.6	18.94
	-7	-7.6	64.2	24.7	60.7	23	57.1	21.33	55	20.54	53.2	19.71	49.6	18.15
	-5	-5.6	64.2	23.2	60.7	21.64	57.1	20.08	55	19.29	53.2	22.83	49.6	17.1
	-3	-3.7	64.2	21.86	60.7	20.4	57.1	18.94	55	18.21	53.2	17.52	49.6	16.18
	0	-0.7	64.2	19.88	60.7	18.6	57.1	17.29	55	16.66	53.2	16.04	49.6	14.82
	3	2.2	64.2	18.18	60.7	17.01	57.1	15.87	55	15.28	53.2	14.72	49.6	13.61
	5	4.1	64.2	17.15	60.7	16.04	57.1	15	55	14.45	53.2	13.92	49.6	12.89
	7	6	64.2	16.21	60.7	15.17	57.1	14.17	55	13.68	53.2	13.2	49.6	12.22
	9	7.9	64.2	15.31	60.7	14.37	57.1	13.4	55	12.95	53.2	12.5	49.6	11.61
	11	9.8	64.2	14.48	60.7	13.58	57.1	12.72	55	12.3	53.2	11.88	49.6	11.02
	13	11.8	64.2	13.68	60.7	12.84	57.1	12.02	55	11.64	53.2	11.22	49.6	10.46
	15	13.7	64.2	12.98	60.7	12.19	57.1	11.42	55	11.05	53.2	10.67	49.6	9.97
60%	-19.8	-20	51	25.11	50.7	25.59	48.9	24.62	47.4	23.66	45.8	22.72	42.7	20.82
	-18.8	-19	51.7	25.28	51.7	25.76	48.9	24.11	47.4	23.14	45.8	22.2	42.7	20.4
	-16.7	-17	53.8	25.62	52	24.8	48.9	23	47.4	22.1	45.8	21.24	42.7	19.5
	-13.7	-15	55.1	25.36	52	23.55	48.9	21.86	47.4	21.02	45.8	20.19	42.7	18.57
	-11.8	-13	55.1	23.97	52	22.3	48.9	20.71	47.4	19.94	45.8	19.15	42.7	17.73
	-9.8	-11	55.1	22.66	52	21.1	48.9	19.6	47.4	18.88	45.8	18.15	42.7	16.73
	-9.5	-10	55.1	22.03	52	20.54	48.9	19.05	47.4	18.35	45.8	17.66	42.7	16.28
	-8.5	-9.1	55.1	21.44	52	19.99	48.9	18.6	47.4	17.9	45.8	17.21	42.7	15.87
	-7	-7.6	55.1	20.5	52	19.15	48.9	17.8	47.4	17.15	45.8	16.48	42.7	15.24
	-5	-5.6	55.1	19.29	52	18.04	48.9	16.79	47.4	16.18	45.8	15.59	42.7	14.4
	-3	-3.7	55.1	18.21	52	17.04	48.9	15.87	47.4	15.31	45.8	14.76	42.7	13.64
	0	-0.7	55.1	16.66	52	15.59	48.9	14.54	47.4	14.06	45.8	13.54	42.7	12.53
	3	2.2	55.1	15.28	52	14.34	48.9	13.4	47.4	12.92	45.8	12.47	42.7	11.56
	5	4.1	55.1	14.45	52	13.54	48.9	12.67	47.4	12.26	45.8	11.81	42.7	10.98
	7	6	55.1	13.68	52	12.84	48.9	12.02	47.4	11.61	45.8	11.22	42.7	10.42
	9	7.9	55.1	12.95	52	12.16	48.9	11.39	47.4	11.05	45.8	10.63	42.7	9.94
	11	9.8	55.1	12.3	52	11.56	48.9	10.84	47.4	10.5	45.8	10.11	42.7	9.46
	13	11.8	55.1	11.61	52	10.94	48.9	10.28	47.4	9.97	45.8	9.63	42.7	9
	15	13.7	55.1	11.05	52	10.39	48.9	9.8	47.4	9.49	45.8	9.18	42.7	8.58
50%	-19.8	-20	45.9	22.86	43.3	21.27	40.8	19.74	39.3	19.02	38	18.29	35.4	16.84
	-18.8	-19	45.9	22.34	43.3	20.82	40.8	19.36	39.3	18.63	38	17.9	35.4	16.52
	-16.7	-17	45.9	21.33	43.3	19.88	40.8	18.49	39.3	17.8	38	17.15	35.4	15.82
	-13.7	-15	45.9	20.3	43.3	18.94	40.8	17.63	39.3	16.98	38	16.35	35.4	15.1
	-11.8	-13	45.9	19.29	43.3	18.01	40.8	16.76	39.3	16.14	38	15.56	35.4	14.37
	-9.8	-11	45.9	18.26	43.3	17.07	40.8	15.9	39.3	15.31	38	14.76	35.4	13.68
	-9.5	-10	45.9	17.77	43.3	16.59	40.8	15.48	39.3	14.93	38	14.37	35.4	13.3
	-8.5	-9.1	45.9	17.32	43.3	16.21	40.8	15.1	39.3	14.58	38	14.06	35.4	12.98
	-7	-7.6	45.9	16.59	43.3	15.56	40.8	14.48	39.3	14	38	13.51	35.4	12.5
	-5	-5.6	45.9	15.65	43.3	14.68	40.8	13.72	39.3	13.26	38	12.78	35.4	11.84
	-3	-3.7	45.9	14.82	43.3	13.92	40.8	12.98	39.3	12.58	38	12.12	35.4	11.25
	0	-0.7	45.9	13.61	43.3	12.78	40.8	11.98	39.3	11.56	38	11.19	35.4	10.39
	3	2.2	45.9	12.53	43.3	11.78	40.8	11.05	39.3	10.67	38	10.32	35.4	9.63
	5	4.1	45.9	11.88	43.3	11.19	40.8	10.5	39.3	10.14	38	9.83	35.4	9.14
	7	6	45.9	11.3	43.3	10.63	40.8	9.97	39.3	9.66	38	9.35	35.4	8.72
	9	7.9	45.9	10.7	43.3	10.11	40.8	9.49	39.3	9.21	38	8.9	35.4	8.32
	11	9.8	45.9	10.19	43.3	9.6	40.8	9.04	39.3	8.77	38	8.49	35.4	7.93
	13	11.8	45.9	9.69	43.3	9.14	40.8	8.58	39.3	8.35	38	8.07	35.4	7.58
	15	13.7	45.9	9.21	43.3	8.72	40.8	8.21	39.3	7.96	38	7.72	35.4	7.24

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	36.7	17.38	34.7	16.16	32.6	15	31.3	14.45	30.3	13.89	28.2	12.79
	-18.8	-19	36.7	16.98	34.7	15.82	32.6	14.71	31.3	14.16	30.3	13.61	28.2	12.55
	-16.7	-17	36.7	16.22	34.7	15.11	32.6	14.06	31.3	13.53	30.3	13.03	28.2	12.03
	-13.7	-15	36.7	15.42	34.7	14.4	32.6	13.4	31.3	12.9	30.3	12.42	28.2	11.48
	-11.8	-13	36.7	14.66	34.7	13.69	32.6	12.74	31.3	12.27	30.3	11.82	28.2	10.93
	-9.8	-11	36.7	13.87	34.7	12.98	32.6	12.08	31.3	11.64	30.3	11.21	28.2	10.4
	-9.5	-10	36.7	13.5	34.7	12.61	32.6	11.76	31.3	11.34	30.3	10.93	28.2	10.11
	-8.5	-9.1	36.7	13.16	34.7	12.32	32.6	11.48	31.3	11.08	30.3	10.68	28.2	9.88
	-7	-7.6	36.7	12.61	34.7	11.82	32.6	11	31.3	10.63	30.3	10.26	28.2	9.51
	-5	-5.6	36.7	11.9	34.7	11.16	32.6	10.42	31.3	10.08	30.3	9.71	28.2	9
	-3	-3.7	36.7	11.27	34.7	10.59	32.6	9.88	31.3	9.55	30.3	9.21	28.2	8.55
	0	-0.7	36.7	10.34	34.7	9.71	32.6	9.11	31.3	8.8	30.3	8.5	28.2	7.9
	3	2.2	36.7	9.53	34.7	8.95	32.6	8.4	31.3	8.1	30.3	7.84	28.2	7.32
	5	4.1	36.7	9.03	34.7	8.5	32.6	7.98	31.3	7.72	30.3	7.47	28.2	6.95
	7	6	36.7	8.58	34.7	8.09	32.6	7.58	31.3	7.35	30.3	7.1	28.2	6.64
30%	9	7.9	36.7	8.13	34.7	7.69	32.6	7.21	31.3	7.01	30.3	6.76	28.2	6.31
	11	9.8	36.7	7.73	34.7	7.29	32.6	6.87	31.3	6.65	30.3	6.45	28.2	6.03
	13	11.8	36.7	7.38	34.7	6.95	32.6	6.53	31.3	6.34	30.3	6.13	28.2	5.76
	15	13.7	36.7	7.01	34.7	6.64	32.6	6.24	31.3	6.05	30.3	5.87	28.2	5.5
	-19.8	-20	27.5	12.75	25.9	11.87	24.5	8.81	23.5	10.61	22.8	10.2	21.2	9.4
	-18.8	-19	27.5	12.47	25.9	11.62	24.5	8.64	23.5	10.4	22.8	9.99	21.2	9.22
	-16.7	-17	27.5	11.9	25.9	11.1	24.5	8.26	23.5	9.94	22.8	9.57	21.2	8.83
	-13.7	-15	27.5	11.33	25.9	10.57	24.5	7.87	23.5	9.47	22.8	9.12	21.2	8.43
	-11.8	-13	27.5	10.76	25.9	10.05	24.5	7.48	23.5	9	22.8	8.68	21.2	8.02
	-9.8	-11	27.5	10.19	25.9	9.52	24.5	7.1	23.5	8.54	22.8	8.23	21.2	7.64
	-9.5	-10	27.5	9.91	25.9	9.26	24.5	6.91	23.5	8.33	22.8	8.02	21.2	7.42
	-8.5	-9.1	27.5	9.66	25.9	9.04	24.5	6.74	23.5	8.13	22.8	7.84	21.2	7.25
	-7	-7.6	27.5	9.26	25.9	8.68	24.5	6.47	23.5	7.81	22.8	7.53	21.2	6.98
	-5	-5.6	27.5	8.74	25.9	8.2	24.5	6.13	23.5	7.41	22.8	7.13	21.2	6.61
	-3	-3.7	27.5	8.27	25.9	7.77	24.5	5.8	23.5	7.02	22.8	6.76	21.2	6.28
	0	-0.7	27.5	7.59	25.9	7.13	24.5	5.35	23.5	6.45	22.8	6.24	21.2	5.8
20%	3	2.2	27.5	6.99	25.9	6.57	24.5	4.94	23.5	5.96	22.8	5.76	21.2	5.37
	5	4.1	27.5	6.62	25.9	6.24	24.5	4.69	23.5	5.66	22.8	5.49	21.2	5.11
	7	6	27.5	6.3	25.9	5.93	24.5	4.45	23.5	5.39	22.8	5.22	21.2	4.87
	9	7.9	27.5	5.97	25.9	5.65	24.5	4.23	23.5	5.14	22.8	4.97	21.2	4.64
	11	9.8	27.5	5.68	25.9	5.35	24.5	4.03	23.5	4.89	22.8	4.74	21.2	4.43
	13	11.8	27.5	5.42	25.9	5.11	24.5	3.83	23.5	4.66	22.8	4.51	21.2	4.23
	15	13.7	27.5	5.14	25.9	4.87	24.5	3.66	23.5	4.45	22.8	4.31	21.2	4.04
	-19.8	-20	18.4	8.23	17.3	7.66	16.3	7.1	15.7	6.84	15.2	6.59	14.2	6.06
	-18.8	-19	18.4	8.04	17.3	7.49	16.3	6.97	15.7	6.71	15.2	6.45	14.2	5.94
	-16.7	-17	18.4	7.68	17.3	7.16	16.3	6.65	15.7	6.41	15.2	6.17	14.2	5.7
	-13.7	-15	18.4	7.3	17.3	6.82	16.3	6.34	15.7	6.11	15.2	5.88	14.2	5.43
	-11.8	-13	18.4	6.95	17.3	6.48	16.3	6.03	15.7	5.81	15.2	5.6	14.2	5.17
	-9.8	-11	18.4	6.57	17.3	6.14	16.3	5.73	15.7	5.51	15.2	5.31	14.2	4.92
	-9.5	-10	18.4	6.39	17.3	5.97	16.3	5.57	15.7	5.37	15.2	5.17	14.2	4.79
	-8.5	-9.1	18.4	6.24	17.3	5.83	16.3	5.43	15.7	5.25	15.2	5.06	14.2	4.68
	-7	-7.6	18.4	5.97	17.3	5.6	16.3	5.22	15.7	5.03	15.2	4.86	14.2	4.5
	-5	-5.6	18.4	5.63	17.3	5.29	16.3	4.94	15.7	4.77	15.2	4.6	14.2	4.26
	-3	-3.7	18.4	5.34	17.3	5.01	16.3	4.68	15.7	4.52	15.2	4.37	14.2	4.06
	0	-0.7	18.4	4.9	17.3	4.6	16.3	4.32	15.7	4.17	15.2	4.03	14.2	3.74
	3	2.2	18.4	4.51	17.3	4.24	16.3	3.98	15.7	3.84	15.2	3.72	14.2	3.47
	5	4.1	18.4	4.28	17.3	4.03	16.3	3.78	15.7	3.66	15.2	3.54	14.2	3.29
	7	6	18.4	4.06	17.3	3.83	16.3	3.59	15.7	3.47	15.2	3.37	14.2	3.15
	9	7.9	18.4	3.86	17.3	3.64	16.3	3.41	15.7	3.32	15.2	3.21	14.2	2.99
	11	9.8	18.4	3.66	17.3	3.46	16.3	3.26	15.7	3.15	15.2	3.06	14.2	2.86
	13	11.8	18.4	3.49	17.3	3.29	16.3	3.09	15.7	3.01	15.2	2.9	14.2	2.73
	15	13.7	18.4	3.32	17.3	3.15	16.3	2.95	15.7	2.87	15.2	2.72	14.2	2.61

Note: TC: Total capacity, PI: Power input.

Outdoor unit

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Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

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**■ TMR280ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	56.7	16.3	56.4	17.46	56.2	18.63	56.2	19.2	55.8	19.75	55.8	20.92
	-18.8	-19	57.5	16.67	57.2	17.81	57.2	18.97	56.9	19.53	56.9	20.06	56.7	21.22
	-16.7	-17	59.7	17.46	59.5	18.55	59.2	19.65	59.2	20.17	59.2	20.74	58.8	21.83
	-13.7	-15	62.3	18.26	62	19.3	61.6	20.36	61.6	20.89	61.4	21.41	61.4	22.46
	-11.8	-13	64.7	19.08	64.7	20.09	64.4	21.07	64.2	21.6	64.2	22.13	63.9	23.1
	-9.8	-11	67.8	19.9	67.5	20.89	67.2	21.83	67.2	22.31	67.2	22.8	67	23.77
	-9.5	-10	69.5	20.36	69.1	21.26	68.9	22.2	68.9	22.68	68.6	23.14	68.6	24.07
	-8.5	-9.1	70.9	20.69	70.5	21.6	70.5	22.53	70.3	22.98	70.3	23.44	70	24.37
	-7	-7.6	73.3	21.29	73.3	22.2	73	23.06	73	23.52	72.8	23.92	72.5	24.83
	-5	-5.6	77.2	22.13	77	22.95	76.7	23.77	76.7	24.22	76.3	24.6	76.3	25.43
	-3	-3.7	80.8	22.83	80.5	23.62	80.5	24.42	80.3	24.83	80.3	25.24	80	25.99
	0	-0.7	87.2	23.92	87.2	24.68	87	25.39	87	25.69	86.6	26.14	86.6	26.9
	3	2.2	94.1	24.94	93.8	25.61	93.6	26.3	93.6	26.63	93.6	27	93.3	27.65
	5	4.1	98.9	25.54	98.7	26.22	98.7	26.85	98.3	27.2	98.3	27.5	98	28.14
	7	6	103.9	26.18	103.6	26.75	103.6	27.38	103.3	27.68	103.3	27.99	99.2	26.9
120%	9	7.9	109.2	26.7	108.9	27.3	108.9	27.87	108.6	28.17	106.4	27.57	99.2	25.24
	11	9.8	114.8	27.23	114.4	27.79	113.9	28.14	110	27.05	106.4	25.91	99.2	23.77
	13	11.8	120.8	27.76	120.6	28.29	113.9	26.37	110	25.31	106.4	24.34	99.2	22.31
	15	13.7	126.7	28.24	121.1	26.78	113.9	24.83	110	23.89	106.4	22.91	99.2	21.07
	-19.8	-20	56.4	17.88	56.1	18.93	55.8	20.02	55.8	20.51	55.8	21.07	55.5	22.13
	-18.8	-19	57.2	18.21	56.9	19.27	56.9	20.32	56.7	20.81	56.7	21.37	56.4	22.43
	-16.7	-17	59.5	18.93	59.2	19.95	58.8	20.92	58.8	21.44	58.8	21.98	58.6	22.95
	-13.7	-15	62	19.68	61.6	20.66	61.4	21.6	61.4	22.13	61.4	22.58	61.1	23.55
	-11.8	-13	64.4	20.44	64.4	21.37	64.2	22.28	64.2	22.76	63.9	23.22	63.9	24.15
	-9.8	-11	67.5	21.22	67.2	22.08	67.2	22.98	67	23.44	67	23.85	66.7	24.76
	-9.5	-10	69.2	21.6	68.9	22.46	68.6	23.32	68.6	23.77	68.6	24.19	68.4	25.06
	-8.5	-9.1	70.5	21.93	70.3	22.76	70.3	23.62	70	24.04	70	24.49	69.7	25.31
	-7	-7.6	73	22.5	73	23.32	72.8	24.12	72.8	24.52	72.5	24.94	72.5	25.73
	-5	-5.6	77	23.22	76.7	24	76.3	24.79	76.3	25.16	76.3	25.58	76.1	26.3
	-3	-3.7	80.5	23.92	80.5	24.68	80.3	25.39	80.3	25.73	80	26.14	80	26.85
	0	-0.7	87	24.94	87	25.61	86.6	26.3	86.6	26.63	86.4	26.97	86.4	27.65
110%	3	2.2	93.8	25.88	93.6	26.48	93.6	27.12	93.3	27.45	93.3	27.76	91.4	27.6
	5	4.1	98.7	26.45	98.3	27.05	98.3	27.65	98	27.94	98	28.24	91.4	25.91
	7	6	103.6	26.97	103.6	27.53	103.4	28.09	101.7	27.72	98.3	26.6	91.4	24.37
	9	7.9	108.9	27.5	108.7	28.06	105	27.12	101.7	26.03	98.3	24.98	91.4	22.95
	11	9.8	114.4	27.99	111.7	27.5	105	25.51	101.7	24.52	98.3	23.52	91.4	21.63
	13	11.8	118.6	27.72	111.7	25.81	105	23.92	101.7	23.03	98.3	22.13	91.4	20.36
	15	13.7	118.6	26.11	111.7	24.3	105	22.58	101.7	21.68	98.3	20.84	91.4	19.2
	-19.8	-20	56.1	19.45	55.8	20.39	55.5	21.37	55.5	21.86	55.6	22.35	55.3	23.32
	-18.8	-19	56.9	19.75	56.7	20.69	56.7	21.68	56.7	22.13	56.4	22.61	56.4	23.59
	-16.7	-17	59.2	20.39	58.8	21.34	59.7	22.28	58.6	22.73	58.6	23.17	58.3	24.07
	-13.7	-15	61.6	21.11	61.4	21.98	61.1	22.88	61.1	23.32	61.1	23.77	60.9	24.64
	-11.8	-13	64.2	21.83	64.2	22.65	63.9	23.47	63.9	23.92	63.7	24.34	63.7	25.21
	-9.8	-11	67.2	22.5	67	23.32	67	24.12	66.7	24.52	66.7	24.94	66.7	25.73
	-9.5	-10	68.9	22.88	68.6	23.62	68.3	24.45	68.3	24.83	68.3	25.24	68.1	26.03
	-8.5	-9.1	70.3	23.17	70	23.92	70	24.71	69.7	25.13	69.7	25.51	69.7	26.35
	-7	-7.6	72.8	23.7	72.8	24.42	72.5	25.16	72.5	25.54	72.5	25.91	72.3	26.67
	-5	-5.6	76.7	24.37	76.3	25.09	76.1	25.76	76.1	26.14	76.1	26.48	75.8	27.23
	-3	-3.7	80.3	24.98	80.3	25.66	80	26.33	80	26.67	79.8	27	79.8	27.68
	0	-0.7	86.6	25.91	86.6	26.55	86.4	27.2	86.4	27.5	86.4	27.79	83.9	27.27
	3	2.2	93.6	26.78	93.3	27.35	93.3	27.94	93.1	28.21	90	27.05	83.9	24.83
	5	4.1	98.3	27.3	98.3	27.87	96.4	27.6	93.1	26.48	90	25.43	83.9	23.32
	7	6	103.3	27.79	102.5	27.99	96.4	25.91	93.1	24.91	90	23.92	83.9	21.98
	9	7.9	108.6	28.24	102.5	26.3	96.4	24.37	93.1	23.44	90	22.5	83.9	20.69
	11	9.8	108.6	26.6	102.5	24.76	96.4	22.95	93.1	22.08	90	21.22	83.9	19.53
	13	11.8	108.6	24.94	102.5	23.22	96.4	21.56	93.1	20.77	90	19.95	83.9	18.41
	15	13.7	108.6	22.13	102.5	21.9	96.4	20.36	93.1	19.6	90	18.85	83.9	17.39

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	55.8	20.99	55.5	21.86	55.5	22.76	55.3	23.22	55.3	23.62	55	24.52
	-18.8	-19	56.7	21.26	56.7	22.13	56.4	23.03	56.4	23.47	56.2	23.92	56.2	24.79
	-16.7	-17	58.8	21.86	58.6	22.73	58.6	23.55	58.3	23.97	58.3	24.37	58.3	25.24
	-13.7	-15	61.4	22.5	61.1	23.32	60.9	24.12	60.9	24.52	60.9	24.94	60.6	25.73
	-11.8	-13	63.9	23.17	63.9	23.92	63.7	24.68	63.7	25.09	63.7	25.46	63.3	26.25
	-9.8	-11	67	23.77	66.7	24.52	66.7	25.28	66.7	25.66	66.3	25.99	66.3	26.75
	-9.5	-10	68.6	24.12	68.4	24.83	68.4	25.54	68.1	25.91	68.1	26.3	67.7	27
	-8.5	-9.1	70	24.37	69.7	25.13	69.7	25.81	69.7	26.14	69.5	26.52	69.5	27.2
	-7	-7.6	72.5	24.86	72.5	25.54	72.3	26.22	72.3	26.6	72.3	26.9	71.9	27.6
	-5	-5.6	76.3	25.51	76.1	26.14	76.1	26.78	75.8	27.08	75.8	27.42	75.6	28.09
	-3	-3.7	80	26.06	80	26.67	79.8	27.3	79.8	27.6	79.8	27.91	76.3	26.75
	0	-0.7	86.4	26.9	86.4	27.5	86.1	28.06	84.7	27.6	81.9	26.45	76.3	24.27
	3	2.2	93.3	27.68	93.1	28.21	87.5	26.11	84.7	25.09	81.9	24.07	76.3	22.13
	5	4.1	98	28.21	93.1	26.48	87.5	24.52	84.7	23.62	81.9	22.68	76.3	20.84
	7	6	98.7	26.75	93.1	24.91	87.5	23.1	84.7	22.23	81.9	21.37	76.3	19.65
	9	7.9	98.7	25.13	93.1	23.44	87.5	21.75	84.7	20.66	81.9	20.14	76.3	18.55
90%	11	9.8	98.7	23.67	93.1	22.08	87.5	20.51	84.7	19.75	81.9	19	76.3	17.51
	13	11.8	98.7	22.23	93.1	20.77	87.5	19.3	84.7	18.6	81.9	17.91	76.3	16.52
	15	13.7	98.7	20.96	93.1	19.6	87.5	18.26	84.7	17.58	81.9	16.9	76.3	15.67
	-19.8	-20	55.5	22.58	55.2	23.32	55.2	24.15	54.9	24.52	54.9	24.94	54.9	25.73
	-18.8	-19	56.3	22.8	56.3	23.62	56	24.37	56	24.79	56	25.16	55.8	25.96
	-16.7	-17	58.5	23.37	58.3	24.12	58.3	24.86	58.3	25.24	57.9	25.61	57.9	26.37
	-13.7	-15	61	23.92	60.7	24.68	60.7	25.39	60.4	25.73	60.4	26.11	60.4	26.82
	-11.8	-13	63.5	24.52	63.5	25.21	63.2	25.88	63.2	26.25	63.2	26.6	63	27.27
	-9.8	-11	66.5	25.09	66.5	25.73	66.3	26.4	66.3	26.75	66.3	27.08	66	27.76
	-9.5	-10	68.2	25.39	67.9	26.03	67.9	26.67	67.7	27	67.7	27.35	67.7	27.94
	-8.5	-9.1	69.6	25.66	69.6	26.3	69.3	26.9	69.3	27.2	69.3	27.53	68.4	27.79
	-7	-7.6	72.1	26.06	72.1	26.67	71.8	27.3	71.8	27.6	71.8	27.91	68.4	26.55
	-5	-5.6	76	26.63	75.7	27.2	75.7	27.79	75.4	28.09	73.5	27.2	68.4	24.94
	-3	-3.7	79.6	27.15	79.6	27.68	78.8	27.79	76	26.7	73.5	25.61	68.4	23.52
	0	-0.7	86.3	27.94	83.8	27.23	78.8	25.24	76	24.22	73.5	23.29	68.4	21.37
	3	2.2	88.7	26.6	83.8	24.79	78.8	22.98	76	22.13	73.5	21.22	68.4	19.57
	5	4.1	88.7	25.01	83.8	23.32	78.8	21.68	76	20.81	73.5	20.06	68.4	18.44
80%	7	6	88.7	23.52	83.8	21.98	78.8	20.39	76	19.65	73.5	18.9	68.4	17.43
	9	7.9	88.7	22.16	83.8	20.66	78.8	19.23	76	18.55	73.5	17.84	68.4	16.49
	11	9.8	88.7	20.89	83.8	19.5	78.8	18.18	76	17.51	73.5	16.87	68.4	15.59
	13	11.8	88.7	19.65	83.8	18.41	78.8	17.13	76	16.52	73.5	15.92	68.4	14.73
	15	13.7	88.7	18.55	83.8	17.36	78.8	16.22	76	15.67	73.5	15.1	68.4	13.98
	-19.8	-20	55.3	24.12	55	24.83	55	25.54	55	25.88	54.7	26.25	54.7	26.93
	-18.8	-19	56.1	24.34	56.1	25.06	55.8	25.73	55.8	26.11	55.8	26.45	55.5	27.15
	-16.7	-17	58.3	24.83	58.1	25.51	58.1	26.18	58.1	26.52	58.1	26.85	57.8	27.5
	-13.7	-15	60.9	25.36	60.6	25.99	60.6	26.63	60.6	26.93	60.2	27.27	60.2	27.94
	-11.8	-13	63.3	25.84	63.3	26.48	63	27.08	63	27.38	63	27.72	61.1	26.97
	-9.8	-11	66.4	26.37	66.4	26.97	66.1	27.57	66.1	27.84	65.6	27.79	61.1	25.46
	-9.5	-10	68.1	26.63	67.7	27.2	67.8	27.79	67.8	28.09	65.6	26.97	61.1	24.71
	-8.5	-9.1	69.5	26.9	64.6	27.45	69.1	27.99	67.8	27.35	65.6	26.25	61.1	24.07
	-7	-7.6	71.9	27.27	71.9	27.79	70	27.2	67.8	26.14	65.6	25.09	61.1	23.03
	-5	-5.6	75.8	27.76	74.4	27.6	70	25.54	67.8	24.57	65.6	23.59	61.1	21.68
	-3	-3.7	78.9	27.91	74.4	25.99	70	24.07	67.8	23.17	65.6	22.23	61.1	20.47
	0	-0.7	78.9	25.31	74.4	23.59	70	21.9	67.8	21.07	65.6	20.24	61.1	18.67
	3	2.2	78.9	23.06	74.4	21.52	70	20.02	67.8	19.27	65.6	18.55	61.1	17.09
	5	4.1	78.9	21.71	74.4	20.29	70	18.85	67.8	18.18	65.6	17.51	61.1	16.15
	7	6	78.9	20.47	74.4	19.15	70	17.81	67.8	17.21	65.6	16.57	61.1	15.28
	9	7.9	78.9	19.3	74.4	18.06	70	16.82	67.8	16.22	65.6	15.67	61.1	14.5
	11	9.8	78.9	18.26	74.4	17.06	70	15.92	67.8	15.36	65.6	14.83	61.1	13.74
	13	11.8	78.9	17.21	74.4	16.12	70	15.06	67.8	14.53	65.6	14.01	61.1	12.99
	15	13.7	78.9	16.27	74.4	15.28	70	14.28	67.8	13.79	65.6	13.29	61.1	12.36

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	54.9	25.69	54.6	26.3	54.6	26.9	54.6	27.2	54.6	27.53	53.2	27.23
	-18.8	-19	55.7	25.88	55.7	26.48	55.5	27.08	55.5	27.38	55.5	27.72	53.2	26.67
	-16.7	-17	57.9	26.3	57.9	26.9	57.6	27.5	57.6	27.79	57.1	24.76	53.2	25.43
	-13.7	-15	60.4	26.75	60.2	27.35	60.2	27.91	59	27.5	57.1	26.37	53.2	24.19
	-11.8	-13	62.9	27.2	62.9	27.76	61.3	27.08	59	26.03	57.1	24.98	53.2	22.91
	-9.8	-11	66	27.65	65.1	27.65	61.3	25.58	59	24.6	57.1	23.62	53.2	21.68
	-9.5	-10	67.6	27.91	65.1	26.82	61.3	24.83	59	23.89	57.1	22.95	53.2	21.07
	-8.5	-9.1	69	28.06	65.1	26.11	61.3	24.19	59	23.25	57.1	22.35	53.2	20.54
	-7	-7.6	69	26.78	65.1	24.94	61.3	23.14	59	22.28	57.1	21.37	53.2	19.68
	-5	-5.6	69	25.16	65.1	23.47	61.3	21.78	59	20.92	57.1	24.76	53.2	18.55
	-3	-3.7	69	23.7	65.1	22.13	61.3	20.54	59	19.75	57.1	19	53.2	17.54
	0	-0.7	69	21.56	65.1	20.17	61.3	18.75	59	18.06	57.1	17.39	53.2	16.07
	3	2.2	69	19.72	65.1	18.44	61.3	17.21	59	16.57	57.1	15.97	53.2	14.76
	5	4.1	69	18.6	65.1	17.39	61.3	16.27	59	15.67	57.1	15.1	53.2	13.98
	7	6	69	17.58	65.1	16.45	61.3	15.36	59	14.83	57.1	14.31	53.2	13.26
	9	7.9	69	16.6	65.1	15.59	61.3	14.53	59	14.05	57.1	13.56	53.2	12.59
60%	11	9.8	69	15.7	65.1	14.73	61.3	13.79	59	13.34	57.1	12.89	53.2	11.95
	13	11.8	69	14.83	65.1	13.93	61.3	13.04	59	12.62	57.1	12.17	53.2	11.35
	15	13.7	69	14.08	65.1	13.22	61.3	12.39	59	11.98	57.1	11.57	53.2	10.82
	-19.8	-20	54.8	27.23	54.4	27.76	52.5	26.7	50.9	25.66	49.2	24.64	45.8	22.58
	-18.8	-19	55.5	27.42	55.5	27.94	52.5	26.14	50.9	25.09	49.2	24.07	45.8	22.13
	-16.7	-17	57.8	27.79	55.8	26.9	52.5	24.94	50.9	23.97	49.2	23.03	45.8	21.14
	-13.7	-15	59.2	27.5	55.8	25.54	52.5	23.7	50.9	22.8	49.2	21.9	45.8	20.14
	-11.8	-13	59.2	25.99	55.8	24.19	52.5	22.46	50.9	21.63	49.2	20.77	45.8	19.23
	-9.8	-11	59.2	24.57	55.8	22.88	52.5	21.26	50.9	20.47	49.2	19.68	45.8	18.14
	-9.5	-10	59.2	23.89	55.8	22.28	52.5	20.66	50.9	19.9	49.2	19.15	45.8	17.66
	-8.5	-9.1	59.2	23.25	55.8	21.68	52.5	20.17	50.9	19.42	49.2	18.67	45.8	17.21
	-7	-7.6	59.2	22.23	55.8	20.77	52.5	19.3	50.9	18.6	49.2	17.88	45.8	16.52
	-5	-5.6	59.2	20.92	55.8	19.57	52.5	18.21	50.9	17.54	49.2	16.9	45.8	15.62
	-3	-3.7	59.2	19.75	55.8	18.48	52.5	17.21	50.9	16.6	49.2	16	45.8	14.8
	0	-0.7	59.2	18.06	55.8	16.9	52.5	15.77	50.9	15.25	49.2	14.68	45.8	13.59
	3	2.2	59.2	16.57	55.8	15.55	52.5	14.53	50.9	14.01	49.2	13.52	45.8	12.54
50%	5	4.1	59.2	15.67	55.8	14.68	52.5	13.74	50.9	13.29	49.2	12.81	45.8	11.9
	7	6	59.2	14.83	55.8	13.93	52.5	13.04	50.9	12.59	49.2	12.17	45.8	11.3
	9	7.9	59.2	14.05	55.8	13.19	52.5	12.36	50.9	11.98	49.2	11.53	45.8	10.78
	11	9.8	59.2	13.34	55.8	12.54	52.5	11.75	50.9	11.38	49.2	10.97	45.8	10.26
	13	11.8	59.2	12.59	55.8	11.87	52.5	11.15	50.9	10.82	49.2	10.44	45.8	9.76
	15	13.7	59.2	11.98	55.8	11.27	52.5	10.63	50.9	10.29	49.2	9.96	45.8	9.31
	-19.8	-20	49.3	24.79	46.5	23.06	43.8	21.41	42.1	20.62	40.7	19.83	38	18.26
	-18.8	-19	49.3	24.22	46.5	22.58	43.8	20.99	42.1	20.21	40.7	19.42	38	17.91
	-16.7	-17	49.3	23.14	46.5	21.56	43.8	20.06	42.1	19.3	40.7	18.6	38	17.16
	-13.7	-15	49.3	22.01	46.5	20.54	43.8	19.12	42.1	18.41	40.7	17.73	38	16.37
	-11.8	-13	49.3	20.92	46.5	19.53	43.8	18.18	42.1	17.51	40.7	16.87	38	15.59
	-9.8	-11	49.3	19.8	46.5	18.52	43.8	17.24	42.1	16.6	40.7	16	38	14.83
	-9.5	-10	49.3	19.27	46.5	17.99	43.8	16.79	42.1	16.19	40.7	15.59	38	14.43
	-8.5	-9.1	49.3	18.78	46.5	17.58	43.8	16.37	42.1	15.82	40.7	15.25	38	14.08
	-7	-7.6	49.3	17.99	46.5	16.87	43.8	15.7	42.1	15.18	40.7	14.65	38	13.56
	-5	-5.6	49.3	16.98	46.5	15.92	43.8	14.88	42.1	14.38	40.7	13.86	38	12.84
	-3	-3.7	49.3	16.07	46.5	15.1	43.8	14.08	42.1	13.64	40.7	13.14	38	12.2
	0	-0.7	49.3	14.76	46.5	13.86	43.8	12.99	42.1	12.54	40.7	12.13	38	11.27
	3	2.2	49.3	13.59	46.5	12.77	43.8	11.98	42.1	11.57	40.7	11.2	38	10.44
	5	4.1	49.3	12.89	46.5	12.13	43.8	11.38	42.1	11	40.7	10.66	38	9.91
	7	6	49.3	12.25	46.5	11.53	43.8	10.82	42.1	10.48	40.7	10.14	38	9.46
	9	7.9	49.3	11.6	46.5	10.97	43.8	10.29	42.1	9.99	40.7	9.66	38	9.02
	11	9.8	49.3	11.05	46.5	10.41	43.8	9.81	42.1	9.51	40.7	9.2	38	8.6
	13	11.8	49.3	10.51	46.5	9.91	43.8	9.31	42.1	9.05	40.7	8.75	38	8.22
	15	13.7	49.3	9.99	46.5	9.46	43.8	8.9	42.1	8.64	40.7	8.37	38	7.85

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	39.4	18.85	37.2	17.53	35	16.27	33.6	15.67	32.6	15.07	30.3	13.88
	-18.8	-19	39.4	18.41	37.2	17.16	35	15.95	33.6	15.35	32.6	14.76	30.3	13.61
	-16.7	-17	39.4	17.59	37.2	16.39	35	15.25	33.6	14.68	32.6	14.13	30.3	13.04
	-13.7	-15	39.4	16.72	37.2	15.62	35	14.53	33.6	13.99	32.6	13.47	30.3	12.45
	-11.8	-13	39.4	15.9	37.2	14.85	35	13.81	33.6	13.31	32.6	12.82	30.3	11.85
	-9.8	-11	39.4	15.05	37.2	14.08	35	13.11	33.6	12.62	32.6	12.16	30.3	11.28
	-9.5	-10	39.4	14.65	37.2	13.67	35	12.76	33.6	12.3	32.6	11.85	30.3	10.96
	-8.5	-9.1	39.4	14.28	37.2	13.36	35	12.45	33.6	12.02	32.6	11.59	30.3	10.71
	-7	-7.6	39.4	13.67	37.2	12.82	35	11.93	33.6	11.53	32.6	11.13	30.3	10.31
	-5	-5.6	39.4	12.9	37.2	12.1	35	11.3	33.6	10.93	32.6	10.53	30.3	9.76
	-3	-3.7	39.4	12.22	37.2	11.48	35	10.71	33.6	10.36	32.6	9.99	30.3	9.28
	0	-0.7	39.4	11.22	37.2	10.53	35	9.88	33.6	9.54	32.6	9.22	30.3	8.57
	3	2.2	39.4	10.33	37.2	9.71	35	9.11	33.6	8.79	32.6	8.5	30.3	7.93
	5	4.1	39.4	9.79	37.2	9.22	35	8.65	33.6	8.37	32.6	8.1	30.3	7.53
	7	6	39.4	9.31	37.2	8.77	35	8.22	33.6	7.97	32.6	7.7	30.3	7.2
30%	9	7.9	39.4	8.82	37.2	8.34	35	7.82	33.6	7.6	32.6	7.33	30.3	6.85
	11	9.8	39.4	8.39	37.2	7.9	35	7.45	33.6	7.22	32.6	7	30.3	6.54
	13	11.8	39.4	8	37.2	7.53	35	7.08	33.6	6.88	32.6	6.65	30.3	6.25
	15	13.7	39.4	7.6	37.2	7.2	35	6.76	33.6	6.56	32.6	6.36	30.3	5.96
	-19.8	-20	29.6	13.83	27.9	12.87	26.3	9.56	25.2	11.5	24.5	11.07	22.8	10.19
	-18.8	-19	29.6	13.52	27.9	12.6	26.3	9.37	25.2	11.28	24.5	10.83	22.8	9.99
	-16.7	-17	29.6	12.91	27.9	12.03	26.3	8.95	25.2	10.78	24.5	10.38	22.8	9.58
	-13.7	-15	29.6	12.28	27.9	11.47	26.3	8.54	25.2	10.27	24.5	9.89	22.8	9.14
	-11.8	-13	29.6	11.67	27.9	10.9	26.3	8.12	25.2	9.76	24.5	9.41	22.8	8.7
	-9.8	-11	29.6	11.05	27.9	10.33	26.3	7.7	25.2	9.26	24.5	8.92	22.8	8.28
	-9.5	-10	29.6	10.75	27.9	10.04	26.3	7.5	25.2	9.04	24.5	8.7	22.8	8.05
	-8.5	-9.1	29.6	10.48	27.9	9.81	26.3	7.31	25.2	8.82	24.5	8.51	22.8	7.86
	-7	-7.6	29.6	10.04	27.9	9.41	26.3	7.01	25.2	8.47	24.5	8.17	22.8	7.57
	-5	-5.6	29.6	9.47	27.9	8.89	26.3	6.64	25.2	8.03	24.5	7.73	22.8	7.17
	-3	-3.7	29.6	8.97	27.9	8.42	26.3	6.29	25.2	7.61	24.5	7.33	22.8	6.81
	0	-0.7	29.6	8.24	27.9	7.73	26.3	5.81	25.2	7	24.5	6.77	22.8	6.29
20%	3	2.2	29.6	7.58	27.9	7.13	26.3	5.35	25.2	6.46	24.5	6.24	22.8	5.83
	5	4.1	29.6	7.18	27.9	6.77	26.3	5.09	25.2	6.14	24.5	5.96	22.8	5.54
	7	6	29.6	6.83	27.9	6.43	26.3	4.82	25.2	5.84	24.5	5.66	22.8	5.29
	9	7.9	29.6	6.48	27.9	6.12	26.3	4.59	25.2	5.57	24.5	5.39	22.8	5.04
	11	9.8	29.6	6.16	27.9	5.81	26.3	4.37	25.2	5.3	24.5	5.14	22.8	4.8
	13	11.8	29.6	5.87	27.9	5.54	26.3	4.15	25.2	5.05	24.5	4.89	22.8	4.59
	15	13.7	29.6	5.57	27.9	5.29	26.3	3.97	25.2	4.82	24.5	4.67	22.8	4.38
	-19.8	-20	19.8	8.92	18.6	8.3	17.5	7.7	16.8	7.42	16.3	7.14	15.2	6.58
	-18.8	-19	19.8	8.72	18.6	8.12	17.5	7.56	16.8	7.28	16.3	6.99	15.2	6.45
	-16.7	-17	19.8	8.33	18.6	7.76	17.5	7.22	16.8	6.95	16.3	6.69	15.2	6.18
	-13.7	-15	19.8	7.92	18.6	7.4	17.5	6.88	16.8	6.63	16.3	6.38	15.2	5.89
	-11.8	-13	19.8	7.53	18.6	7.03	17.5	6.54	16.8	6.3	16.3	6.07	15.2	5.61
	-9.8	-11	19.8	7.13	18.6	6.66	17.5	6.21	16.8	5.98	16.3	5.76	15.2	5.34
	-9.5	-10	19.8	6.93	18.6	6.48	17.5	6.04	16.8	5.83	16.3	5.61	15.2	5.19
	-8.5	-9.1	19.8	6.76	18.6	6.33	17.5	5.89	16.8	5.69	16.3	5.49	15.2	5.07
	-7	-7.6	19.8	6.48	18.6	6.07	17.5	5.66	16.8	5.46	16.3	5.27	15.2	4.89
	-5	-5.6	19.8	6.11	18.6	5.74	17.5	5.36	16.8	5.18	16.3	4.99	15.2	4.62
	-3	-3.7	19.8	5.79	18.6	5.44	17.5	5.07	16.8	4.91	16.3	4.74	15.2	4.4
	0	-0.7	19.8	5.31	18.6	4.99	17.5	4.68	16.8	4.52	16.3	4.37	15.2	4.05
	3	2.2	19.8	4.89	18.6	4.6	17.5	4.32	16.8	4.17	16.3	4.03	15.2	3.76
	5	4.1	19.8	4.64	18.6	4.37	17.5	4.1	16.8	3.97	16.3	3.84	15.2	3.57
	7	6	19.8	4.4	18.6	4.15	17.5	3.9	16.8	3.77	16.3	3.65	15.2	3.41
	9	7.9	19.8	4.18	18.6	3.95	17.5	3.7	16.8	3.6	16.3	3.48	15.2	3.25
	11	9.8	19.8	3.97	18.6	3.75	17.5	3.53	16.8	3.42	16.3	3.31	15.2	3.1
	13	11.8	19.8	3.78	18.6	3.57	17.5	3.35	16.8	3.26	16.3	3.15	15.2	2.96
	15	13.7	19.8	3.6	18.6	3.41	17.5	3.2	16.8	3.11	16.3	3.03	15.2	2.83

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR300ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	61.5	18.07	61.2	19.35	61	20.65	61	21.27	60.6	21.89	60.6	23.19
	-18.8	-19	62.5	18.48	62.1	19.73	62.1	21.02	61.8	21.65	61.8	22.23	61.5	23.52
	-16.7	-17	64.8	19.35	64.6	20.56	64.2	21.77	64.2	22.35	64.2	22.98	63.9	24.19
	-13.7	-15	67.6	20.23	67.3	21.39	66.9	22.56	66.9	23.15	66.7	23.73	66.7	24.89
	-11.8	-13	70.3	21.15	70.3	22.27	70	23.35	69.7	23.93	69.7	24.52	69.4	25.6
	-9.8	-11	73.6	22.06	73.3	23.15	73	24.19	73	24.73	73	25.27	72.7	26.35
	-9.5	-10	75.4	22.56	75.1	23.56	74.8	24.6	74.8	25.14	74.5	25.64	74.5	26.68
	-8.5	-9.1	76.9	22.93	76.6	23.93	76.6	24.97	76.4	25.47	76.4	25.97	76	27.01
	-7	-7.6	79.6	23.6	79.6	24.6	79.3	25.56	79.3	26.06	79	26.51	78.7	27.51
	-5	-5.6	83.8	24.52	83.6	25.43	83.2	26.35	83.2	26.85	82.9	27.27	82.9	28.18
	-3	-3.7	87.8	25.31	87.4	26.18	87.4	27.06	87.2	27.51	87.2	27.97	86.8	28.81
	0	-0.7	94.7	26.51	94.7	27.35	94.4	28.14	94.4	28.47	94.1	28.97	94.1	29.81
	3	2.2	102.2	27.64	101.9	28.39	101.7	29.14	101.7	29.51	101.7	29.93	101.3	30.64
	5	4.1	107.4	28.31	107.1	29.05	107.1	29.76	106.8	30.14	106.8	30.47	106.4	31.18
	7	6	112.8	29.01	112.5	29.64	112.5	30.35	112.1	30.68	112.1	31.01	107.7	29.81
	9	7.9	118.5	29.59	118.2	30.26	118.2	30.89	118	31.22	115.5	30.55	107.7	27.97
120%	11	9.8	124.6	30.18	124.3	30.8	123.7	31.18	119.5	29.97	115.5	28.72	107.7	26.35
	13	11.8	131.1	30.76	130.9	31.35	123.7	29.22	119.5	28.05	115.5	26.97	107.7	24.73
	15	13.7	137.5	31.3	131.5	29.68	123.7	27.51	119.5	26.47	115.5	25.39	107.7	23.35
	-19.8	-20	61.2	19.81	61	20.98	60.6	22.19	60.6	22.73	60.6	23.35	60.3	24.52
	-18.8	-19	62.1	20.19	61.8	21.35	61.8	22.52	61.6	23.06	61.6	23.69	61.2	24.85
	-16.7	-17	64.6	20.98	64.2	22.11	63.8	23.19	63.9	23.77	63.9	24.35	63.7	25.43
	-13.7	-15	67.3	21.81	66.9	22.89	66.7	23.93	66.7	24.52	66.7	25.02	66.3	26.1
	-11.8	-13	70	22.65	70	23.69	69.7	24.69	69.7	25.23	69.4	25.73	69.4	26.77
	-9.8	-11	73.3	23.52	73	24.47	73	25.47	72.7	25.97	72.7	26.43	72.4	27.43
	-9.5	-10	75.1	23.93	74.8	24.89	74.5	25.85	74.5	26.35	74.5	26.81	74.3	27.77
	-8.5	-9.1	76.6	24.31	76.4	25.23	76.4	26.18	76	26.64	76	27.14	75.7	28.05
	-7	-7.6	79.3	24.93	79.3	25.85	79	26.73	79	27.18	78.7	27.64	78.7	28.51
	-5	-5.6	83.6	25.73	83.2	26.6	82.9	27.47	82.9	27.89	82.9	28.35	82.7	29.14
	-3	-3.7	87.4	26.51	87.4	27.35	87.2	28.14	87.2	28.51	86.9	28.97	86.9	29.76
	0	-0.7	94.4	27.64	94.4	28.39	94.1	29.14	94.1	29.51	93.8	29.89	93.8	30.64
	3	2.2	101.9	28.68	101.7	29.35	101.7	30.05	101.3	30.43	101.3	30.76	99.2	30.59
110%	5	4.1	107.1	29.31	106.8	29.97	106.8	30.64	106.4	30.97	106.4	31.3	99.2	28.72
	7	6	112.5	29.89	112.5	30.51	112.3	31.13	110.4	30.72	106.8	29.47	99.2	27.01
	9	7.9	118.2	30.47	118	31.09	114	30.05	110.4	28.85	106.8	27.68	99.2	25.43
	11	9.8	124.3	31.01	121.2	30.47	114	28.27	110.4	27.18	106.8	26.06	99.2	23.97
	13	11.8	128.8	30.72	121.2	28.6	114	26.51	110.4	25.52	106.8	24.52	99.2	22.56
	15	13.7	128.8	28.93	121.2	26.93	114	25.02	110.4	24.02	106.8	23.1	99.2	21.27
	-19.8	-20	61	21.56	60.6	22.6	60.3	23.69	60.3	24.23	60.4	24.77	60	25.85
	-18.8	-19	61.8	21.89	61.6	22.93	61.6	24.02	61.6	24.52	61.2	25.06	61.2	26.14
	-16.7	-17	64.2	22.6	63.9	23.65	64.8	24.69	63.7	25.19	63.7	25.68	63.3	26.68
	-13.7	-15	66.9	23.39	66.7	24.35	66.3	25.35	66.3	25.85	66.3	26.35	66.1	27.31
	-11.8	-13	69.7	24.19	69.7	25.1	69.4	26.01	69.4	26.51	69.1	26.97	69.1	27.93
	-9.8	-11	73	24.93	72.7	25.85	72.7	26.73	72.4	27.18	72.4	27.64	72.4	28.51
	-9.5	-10	74.8	25.35	74.5	26.18	74.1	27.1	74.1	27.51	74.1	27.97	73.9	28.85
	-8.5	-9.1	76.4	25.68	76	26.51	76	27.39	75.7	27.85	75.7	28.27	75.7	29.77
	-7	-7.6	79	26.27	79	27.06	78.7	27.89	78.7	28.31	78.7	28.72	78.5	29.55
	-5	-5.6	83.2	27.01	82.9	27.81	82.7	28.55	82.7	28.97	82.7	29.35	82.3	30.18
	-3	-3.7	87.2	27.68	87.2	28.43	86.9	29.18	86.9	29.55	86.6	29.93	86.6	30.68
	0	-0.7	94.1	28.72	94.1	29.43	93.8	30.14	93.8	30.47	93.8	30.8	91.1	30.22
	3	2.2	101.7	29.68	101.3	30.31	101.3	30.97	101.1	31.26	97.7	29.97	91.1	27.51
	5	4.1	106.8	30.26	106.8	30.89	104.7	30.59	101.1	29.35	97.7	28.18	91.1	25.85
	7	6	112.1	30.8	111.3	31.01	104.7	28.72	101.1	27.6	97.7	26.51	91.1	24.35
	9	7.9	118	31.3	111.3	29.14	104.7	27.01	101.1	25.97	97.7	24.93	91.1	22.93
	11	9.8	118	29.47	111.3	27.43	104.7	25.43	101.1	24.47	97.7	23.52	91.1	21.65
	13	11.8	118	27.64	111.3	25.73	104.7	23.89	101.1	23.02	97.7	22.11	91.1	20.4
	15	13.7	118	24.52	111.3	24.27	104.7	22.56	101.1	21.73	97.7	20.89	91.1	19.27

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	60.6	23.27	60.3	24.23	60.3	25.23	60	25.73	60	26.18	59.7	27.18
	-18.8	-19	61.6	23.56	61.6	24.52	61.2	25.52	61.2	26.01	61	26.51	61	27.47
	-16.7	-17	63.9	24.23	63.6	25.19	63.6	26.1	63.3	26.56	63.3	27.01	63.3	27.97
	-13.7	-15	66.7	24.93	66.3	25.85	66.1	26.73	66.1	27.18	66.1	27.64	65.8	28.51
	-11.8	-13	69.4	25.68	69.4	26.51	69.1	27.35	69.1	27.81	69.1	28.22	68.8	29.09
	-9.8	-11	72.7	26.35	72.4	27.18	72.4	28.01	72.4	28.43	72	28.81	72	29.64
	-9.5	-10	74.5	26.73	74.3	27.51	74.3	28.31	73.9	28.72	73.9	29.14	73.6	29.93
	-8.5	-9.1	76	27.01	75.7	27.85	75.7	28.6	75.7	28.97	75.4	29.39	75.4	30.14
	-7	-7.6	78.7	27.55	78.7	28.31	78.5	29.05	78.5	29.47	78.5	29.81	78.1	30.59
	-5	-5.6	82.9	28.27	82.6	28.97	82.6	29.68	82.3	30.01	82.3	30.39	82.1	31.13
	-3	-3.7	86.9	28.89	86.9	29.63	86.6	30.26	86.6	30.59	86.6	30.93	82.9	29.64
	0	-0.7	93.8	29.81	93.8	30.47	93.5	31.09	92	30.59	89	29.31	82.9	26.89
	3	2.2	101.3	30.68	101.1	31.26	95	28.93	92	27.81	89	26.68	82.9	24.52
	5	4.1	106.4	31.26	101.1	29.35	95	27.18	92	26.18	89	25.14	82.9	23.1
	7	6	107.1	29.64	101.1	27.6	95	25.6	92	24.64	89	23.69	82.9	21.77
90%	9	7.9	107.1	27.85	101.1	25.97	95	24.1	92	22.89	89	22.31	82.9	20.56
	11	9.8	107.1	26.23	101.1	24.47	95	22.73	92	21.89	89	21.06	82.9	19.4
	13	11.8	107.1	24.64	101.1	23.02	95	21.39	92	20.61	89	19.85	82.9	18.31
	15	13.7	107.1	23.23	101.1	21.73	95	20.23	92	19.48	89	18.73	82.9	17.36
	-19.8	-20	60.2	25.02	59.9	25.85	59.9	26.77	59.6	27.18	59.6	27.64	59.6	28.51
	-18.8	-19	61.2	25.27	61.2	26.18	60.8	27.01	60.8	27.47	60.8	27.89	60.6	28.77
	-16.7	-17	63.5	25.89	63.3	26.73	63.3	27.55	63.3	27.97	62.9	28.39	62.9	29.22
	-13.7	-15	66.3	26.51	65.9	27.35	65.9	28.14	65.6	28.51	65.6	28.93	65.6	29.72
	-11.8	-13	69	27.18	69	27.93	68.6	28.68	68.6	29.09	68.6	29.47	68.4	30.22
	-9.8	-11	72.2	27.81	72.2	28.51	72	29.26	72	29.64	72	30.01	71.6	30.76
	-9.5	-10	74.1	28.14	73.7	28.85	73.7	29.55	73.5	29.93	73.5	30.31	73.5	30.97
	-8.5	-9.1	75.6	28.43	75.6	29.14	75.3	29.81	75.3	30.14	75.3	30.51	74.3	30.8
	-7	-7.6	78.3	28.89	78.3	29.55	77.9	30.26	77.9	30.59	77.9	30.93	74.3	29.43
	-5	-5.6	82.5	29.51	82.2	30.14	82.2	30.8	81.9	31.13	79.8	30.14	74.3	27.64
	-3	-3.7	86.4	30.09	86.4	30.68	85.5	30.8	82.5	29.59	79.8	28.39	74.3	26.06
80%	0	-0.7	93.7	30.97	91	30.18	85.5	27.97	82.5	26.85	79.8	25.81	74.3	23.69
	3	2.2	96.3	29.47	91	27.47	85.5	25.47	82.5	24.52	79.8	23.52	74.3	21.69
	5	4.1	96.3	27.72	91	25.85	85.5	24.02	82.5	23.06	79.8	22.23	74.3	20.44
	7	6	96.3	26.06	91	24.35	85.5	22.6	82.5	21.77	79.8	20.94	74.3	19.31
	9	7.9	96.3	24.56	91	22.89	85.5	21.31	82.5	20.56	79.8	19.77	74.3	18.27
	11	9.8	96.3	23.15	91	21.61	85.5	20.15	82.5	19.4	79.8	18.69	74.3	17.27
	13	11.8	96.3	21.77	91	20.4	85.5	18.98	82.5	18.31	79.8	17.65	74.3	16.32
	15	13.7	96.3	20.56	91	19.23	85.5	17.98	82.5	17.36	79.8	16.73	74.3	15.49
	-19.8	-20	60	26.73	59.7	27.51	59.7	28.31	59.7	28.68	59.4	29.09	59.4	29.85
	-18.8	-19	61	26.97	61	27.77	60.6	28.51	60.6	28.93	60.6	29.31	60.3	30.09
	-16.7	-17	63.3	27.51	63.1	28.27	63.1	29.01	63.1	29.39	63.1	29.76	62.7	30.47
	-13.7	-15	66.1	28.1	65.8	28.81	65.8	29.51	65.8	29.85	65.4	30.22	65.4	30.97
	-11.8	-13	68.8	28.64	68.8	29.35	68.4	30.01	68.4	30.35	68.4	30.72	66.3	29.89
	-9.8	-11	72.1	29.22	72.1	29.89	71.8	30.55	71.8	30.85	71.2	30.8	66.3	28.22
	-9.5	-10	73.9	29.51	73.6	30.14	73.6	30.8	73.6	31.13	71.2	29.89	66.3	27.39
	-8.5	-9.1	75.4	29.81	70.1	30.43	75.1	31.01	73.6	30.31	71.2	29.09	66.3	26.68

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	59.6	28.47	59.3	29.14	59.3	29.81	59.3	30.14	59.3	30.51	57.8	30.18
	-18.8	-19	60.5	28.68	60.5	29.35	60.2	30.01	60.2	30.35	60.2	30.72	57.8	29.55
	-16.7	-17	62.9	29.14	62.9	29.81	62.6	30.47	62.6	30.8	62	27.43	57.8	28.18
	-13.7	-15	65.6	29.64	65.3	30.31	65.3	30.93	64.1	30.47	62	29.22	57.8	26.81
	-11.8	-13	68.3	30.14	68.3	30.76	66.5	30.01	64.1	28.85	62	27.68	57.8	25.39
	-9.8	-11	71.6	30.64	70.7	30.64	66.5	28.35	64.1	27.27	62	26.18	57.8	24.02
	-9.5	-10	73.4	30.93	70.7	29.72	66.5	27.51	64.1	26.47	62	25.43	57.8	23.35
	-8.5	-9.1	74.9	31.09	70.7	28.93	66.5	26.81	64.1	25.77	62	24.77	57.8	22.77
	-7	-7.6	74.9	29.68	70.7	27.64	66.5	25.64	64.1	24.69	62	23.69	57.8	21.81
	-5	-5.6	74.9	27.89	70.7	26.01	66.5	24.14	64.1	23.19	62	22.43	57.8	20.56
	-3	-3.7	74.9	26.27	70.7	24.52	66.5	22.77	64.1	21.89	62	21.06	57.8	19.44
	0	-0.7	74.9	23.89	70.7	22.35	66.5	20.77	64.1	20.02	62	19.27	57.8	17.81
	3	2.2	74.9	21.85	70.7	20.44	66.5	19.07	64.1	18.36	62	17.69	57.8	16.36
	5	4.1	74.9	20.61	70.7	19.27	66.5	18.03	64.1	17.36	62	16.73	57.8	15.49
	7	6	74.9	19.48	70.7	18.23	66.5	17.03	64.1	16.44	62	15.86	57.8	14.69
	9	7.9	74.9	18.4	70.7	17.27	66.5	16.11	64.1	15.57	62	15.03	57.8	13.95
	11	9.8	74.9	17.4	70.7	16.32	66.5	15.28	64.1	14.78	62	14.28	57.8	13.24
	13	11.8	74.9	16.44	70.7	15.44	66.5	14.45	64.1	13.99	62	13.49	57.8	12.57
	15	13.7	74.9	15.61	70.7	14.65	66.5	13.73	64.1	13.28	62	12.82	57.8	11.99
60%	-19.8	-20	59.5	30.18	59.1	30.76	57	29.59	55.3	28.43	53.4	27.31	49.8	25.02
	-18.8	-19	60.3	30.39	60.3	30.97	57	28.97	55.3	27.81	53.4	26.68	49.8	24.52
	-16.7	-17	62.7	30.8	60.6	29.81	57	27.64	55.3	26.56	53.4	25.52	49.8	23.43
	-13.7	-15	64.2	30.47	60.6	28.31	57	26.27	55.3	25.27	53.4	24.27	49.8	22.31
	-11.8	-13	64.2	28.81	60.6	26.81	57	24.89	55.3	23.97	53.4	23.02	49.8	21.31
	-9.8	-11	64.2	27.23	60.6	25.35	57	23.56	55.3	22.69	53.4	21.81	49.8	20.11
	-9.5	-10	64.2	26.47	60.6	24.69	57	22.89	55.3	22.06	53.4	21.23	49.8	19.57
	-8.5	-9.1	64.2	25.77	60.6	24.02	57	22.35	55.3	21.52	53.4	20.69	49.8	19.07
	-7	-7.6	64.2	24.64	60.6	23.02	57	21.39	55.3	20.61	53.4	19.81	49.8	18.31
	-5	-5.6	64.2	23.19	60.6	21.69	57	20.19	55.3	19.44	53.4	18.73	49.8	17.31
	-3	-3.7	64.2	21.89	60.6	20.48	57	19.07	55.3	18.4	53.4	17.73	49.8	16.4
	0	-0.7	64.2	20.02	60.6	18.73	57	17.48	55.3	16.9	53.4	16.27	49.8	15.07
	3	2.2	64.2	18.36	60.6	17.23	57	16.11	55.3	15.53	53.4	14.99	49.8	13.9
	5	4.1	64.2	17.36	60.6	16.27	57	15.23	55.3	14.73	53.4	14.19	49.8	13.19
	7	6	64.2	16.44	60.6	15.44	57	14.45	55.3	13.95	53.4	13.49	49.8	12.53
	9	7.9	64.2	15.57	60.6	14.61	57	13.69	55.3	13.28	53.4	12.78	49.8	11.95
	11	9.8	64.2	14.78	60.6	13.9	57	13.03	55.3	12.61	53.4	12.15	49.8	11.37
	13	11.8	64.2	13.95	60.6	13.15	57	12.36	55.3	11.99	53.4	11.57	49.8	10.82
	15	13.7	64.2	13.28	60.6	12.49	57	11.78	55.3	11.41	53.4	11.03	49.8	10.32
50%	-19.8	-20	53.6	27.47	50.5	25.56	47.5	23.73	45.8	22.85	44.2	21.98	41.2	20.23
	-18.8	-19	53.6	26.85	50.5	25.02	47.5	23.27	45.8	22.39	44.2	21.52	41.2	19.85
	-16.7	-17	53.6	25.64	50.5	23.89	47.5	22.23	45.8	21.39	44.2	20.61	41.2	19.02
	-13.7	-15	53.6	24.39	50.5	22.77	47.5	21.19	45.8	20.4	44.2	19.65	41.2	18.15
	-11.8	-13	53.6	23.19	50.5	21.65	47.5	20.15	45.8	19.4	44.2	18.69	41.2	17.27
	-9.8	-11	53.6	21.94	50.5	20.52	47.5	19.11	45.8	18.4	44.2	17.73	41.2	16.44
	-9.5	-10	53.6	21.35	50.5	19.94	47.5	18.61	45.8	17.94	44.2	17.27	41.2	15.99
	-8.5	-9.1	53.6	20.81	50.5	19.48	47.5	18.15	45.8	17.53	44.2	16.9	41.2	15.61
	-7	-7.6	53.6	19.94	50.5	18.69	47.5	17.4	45.8	16.82	44.2	16.23	41.2	15.03
	-5	-5.6	53.6	18.81	50.5	17.65	47.5	16.49	45.8	15.94	44.2	15.36	41.2	14.23
	-3	-3.7	53.6	17.81	50.5	16.73	47.5	15.61	45.8	15.11	44.2	14.57	41.2	13.53
	0	-0.7	53.6	16.36	50.5	15.36	47.5	14.4	45.8	13.9	44.2	13.45	41.2	12.49
	3	2.2	53.6	15.07	50.5	14.15	47.5	13.28	45.8	12.82	44.2	12.41	41.2	11.57
	5	4.1	53.6	14.28	50.5	13.45	47.5	12.61	45.8	12.19	44.2	11.82	41.2	10.99
	7	6	53.6	13.57	50.5	12.78	47.5	11.99	45.8	11.61	44.2	11.24	41.2	10.49
	9	7.9	53.6	12.86	50.5	12.15	47.5	11.41	45.8	11.07	44.2	10.7	41.2	9.99
	11	9.8	53.6	12.24	50.5	11.53	47.5	10.87	45.8	10.53	44.2	10.2	41.2	9.53
	13	11.8	53.6	11.65	50.5	10.99	47.5	10.32	45.8	10.03	44.2	9.7	41.2	9.11
	15	13.7	53.6	11.07	50.5	10.49	47.5	9.87	45.8	9.57	44.2	9.28	41.2	8.7

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	42.8	20.88	40.4	19.42	38	18.03	36.5	17.37	35.3	16.7	32.9	15.38
	-18.8	-19	42.8	20.41	40.4	19.01	38	17.68	36.5	17.02	35.3	16.36	32.9	15.09
	-16.7	-17	42.8	19.49	40.4	18.16	38	16.9	36.5	16.27	35.3	15.66	32.9	14.45
	-13.7	-15	42.8	18.54	40.4	17.31	38	16.1	36.5	15.51	35.3	14.93	32.9	13.8
	-11.8	-13	42.8	17.62	40.4	16.45	38	15.31	36.5	14.75	35.3	14.21	32.9	13.13
	-9.8	-11	42.8	16.67	40.4	15.6	38	14.52	36.5	13.99	35.3	13.47	32.9	12.5
	-9.5	-10	42.8	16.23	40.4	15.15	38	14.14	36.5	13.63	35.3	13.13	32.9	12.15
	-8.5	-9.1	42.8	15.82	40.4	14.8	38	13.8	36.5	13.32	35.3	12.84	32.9	11.87
	-7	-7.6	42.8	15.15	40.4	14.21	38	13.23	36.5	12.78	35.3	12.34	32.9	11.42
	-5	-5.6	42.8	14.3	40.4	13.41	38	12.52	36.5	12.11	35.3	11.67	32.9	10.82
	-3	-3.7	42.8	13.54	40.4	12.72	38	11.87	36.5	11.48	35.3	11.07	32.9	10.28
	0	-0.7	42.8	12.43	40.4	11.67	38	10.95	36.5	10.57	35.3	10.22	32.9	9.49
	3	2.2	42.8	11.45	40.4	10.76	38	10.09	36.5	9.74	35.3	9.43	32.9	8.79
	5	4.1	42.8	10.85	40.4	10.22	38	9.59	36.5	9.27	35.3	8.98	32.9	8.35
	7	6	42.8	10.31	40.4	9.72	38	9.11	36.5	8.83	35.3	8.54	32.9	7.97
30%	9	7.9	42.8	9.78	40.4	9.24	38	8.67	36.5	8.42	35.3	8.13	32.9	7.59
	11	9.8	42.8	9.3	40.4	8.76	38	8.26	36.5	8	35.3	7.75	32.9	7.25
	13	11.8	42.8	8.86	40.4	8.35	38	7.85	36.5	7.62	35.3	7.37	32.9	6.92
	15	13.7	42.8	8.42	40.4	7.97	38	7.5	36.5	7.27	35.3	7.05	32.9	6.61
	-19.8	-20	32.1	15.33	30.3	14.26	28.5	10.59	27.4	12.75	26.6	12.26	24.7	11.29
	-18.8	-19	32.1	14.99	30.3	13.96	28.5	10.39	27.4	12.5	26.6	12.01	24.7	11.08
	-16.7	-17	32.1	14.31	30.3	13.34	28.5	9.92	27.4	11.94	26.6	11.5	24.7	10.61
	-13.7	-15	32.1	13.61	30.3	12.71	28.5	9.46	27.4	11.39	26.6	10.96	24.7	10.13
	-11.8	-13	32.1	12.93	30.3	12.08	28.5	9	27.4	10.82	26.6	10.43	24.7	9.64
	-9.8	-11	32.1	12.24	30.3	11.45	28.5	8.53	27.4	10.26	26.6	9.89	24.7	9.18
	-9.5	-10	32.1	11.91	30.3	11.13	28.5	8.31	27.4	10.01	26.6	9.64	24.7	8.92
	-8.5	-9.1	32.1	11.61	30.3	10.87	28.5	8.1	27.4	9.78	26.6	9.43	24.7	8.71
	-7	-7.6	32.1	11.13	30.3	10.43	28.5	7.77	27.4	9.39	26.6	9.06	24.7	8.38
	-5	-5.6	32.1	10.5	30.3	9.85	28.5	7.36	27.4	8.9	26.6	8.57	24.7	7.94
	-3	-3.7	32.1	9.94	30.3	9.33	28.5	6.97	27.4	8.44	26.6	8.13	24.7	7.55
	0	-0.7	32.1	9.13	30.3	8.57	28.5	6.43	27.4	7.76	26.6	7.5	24.7	6.97
20%	3	2.2	32.1	8.41	30.3	7.9	28.5	5.93	27.4	7.16	26.6	6.92	24.7	6.46
	5	4.1	32.1	7.96	30.3	7.5	28.5	5.64	27.4	6.81	26.6	6.6	24.7	6.14
	7	6	32.1	7.57	30.3	7.13	28.5	5.35	27.4	6.48	26.6	6.27	24.7	5.86
	9	7.9	32.1	7.18	30.3	6.79	28.5	5.09	27.4	6.18	26.6	5.97	24.7	5.58
	11	9.8	32.1	6.83	30.3	6.44	28.5	4.85	27.4	5.88	26.6	5.69	24.7	5.32
	13	11.8	32.1	6.51	30.3	6.14	28.5	4.6	27.4	5.6	26.6	5.41	24.7	5.08
	15	13.7	32.1	6.18	30.3	5.86	28.5	4.4	27.4	5.34	26.6	5.18	24.7	4.86
	-19.8	-20	21.4	9.89	20.2	9.2	19	8.54	18.3	8.22	17.7	7.92	16.5	7.29
	-18.8	-19	21.4	9.67	20.2	9	19	8.38	18.3	8.07	17.7	7.75	16.5	7.14
	-16.7	-17	21.4	9.23	20.2	8.6	19	8	18.3	7.7	17.7	7.42	16.5	6.85
	-13.7	-15	21.4	8.78	20.2	8.2	19	7.63	18.3	7.34	17.7	7.07	16.5	6.53
	-11.8	-13	21.4	8.35	20.2	7.79	19	7.25	18.3	6.98	17.7	6.73	16.5	6.22
	-9.8	-11	21.4	7.9	20.2	7.39	19	6.88	18.3	6.62	17.7	6.38	16.5	5.92
	-9.5	-10	21.4	7.68	20.2	7.18	19	6.7	18.3	6.46	17.7	6.22	16.5	5.75
	-8.5	-9.1	21.4	7.49	20.2	7.01	19	6.53	18.3	6.31	17.7	6.08	16.5	5.62
	-7	-7.6	21.4	7.18	20.2	6.73	19	6.27	18.3	6.05	17.7	5.84	16.5	5.41
	-5	-5.6	21.4	6.77	20.2	6.36	19	5.94	18.3	5.74	17.7	5.53	16.5	5.12
	-3	-3.7	21.4	6.42	20.2	6.03	19	5.62	18.3	5.44	17.7	5.25	16.5	4.87
	0	-0.7	21.4	5.88	20.2	5.53	19	5.19	18.3	5.01	17.7	4.84	16.5	4.49
	3	2.2	21.4	5.42	20.2	5.1	19	4.78	18.3	4.62	17.7	4.47	16.5	4.17
	5	4.1	21.4	5.14	20.2	4.84	19	4.54	18.3	4.39	17.7	4.25	16.5	3.95
	7	6	21.4	4.88	20.2	4.6	19	4.32	18.3	4.18	17.7	4.04	16.5	3.78
	9	7.9	21.4	4.63	20.2	4.38	19	4.1	18.3	3.99	17.7	3.86	16.5	3.6
	11	9.8	21.4	4.4	20.2	4.15	19	3.91	18.3	3.79	17.7	3.67	16.5	3.43
	13	11.8	21.4	4.19	20.2	3.95	19	3.71	18.3	3.61	17.7	3.49	16.5	3.28
	15	13.7	21.4	3.99	20.2	3.78	19	3.55	18.3	3.45	17.7	3.28	16.5	3.13

Note: TC: Total capacity, PI: Power input.

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**■ TMR320ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	64.8	19.48	64.4	20.86	64.2	22.26	64.2	22.94	63.8	23.6	63.8	25
	-18.8	-19	65.8	19.92	65.4	21.28	65.4	22.66	65	23.34	65	23.96	64.8	25.36
	-16.7	-17	68.2	20.86	68	22.16	67.6	23.48	67.6	24.1	67.6	24.78	67.2	26.08
	-13.7	-15	71.2	21.82	70.8	23.06	70.4	24.32	70.4	24.96	70.2	25.58	70.2	26.84
	-11.8	-13	74	22.8	74	24	73.6	25.18	73.4	25.8	73.4	26.44	73	27.6
	-9.8	-11	77.4	23.78	77.2	24.96	76.8	26.08	76.8	26.66	76.8	27.24	76.6	28.4
	-9.5	-10	79.4	24.32	79	25.4	78.8	26.52	78.8	27.1	78.4	27.64	78.4	28.76
	-8.5	-9.1	81	24.72	80.6	25.8	80.6	26.92	80.4	27.46	80.4	28	80	29.12
	-7	-7.6	83.8	25.44	83.8	26.52	83.4	27.56	83.4	28.1	83.2	28.58	82.8	29.66
	-5	-5.6	88.2	26.44	88	27.42	87.6	28.4	87.6	28.94	87.2	29.4	87.2	30.38
	-3	-3.7	92.4	27.28	92	28.22	92	29.18	91.8	29.66	91.8	30.16	91.4	31.06
	0	-0.7	99.6	28.58	99.6	29.48	99.4	30.34	99.4	30.7	99	31.24	99	32.14
	3	2.2	107.6	29.8	107.2	30.6	107	31.42	107	31.82	107	32.26	106.6	33.04
	5	4.1	113	30.52	112.8	31.32	112.8	32.08	112.4	32.5	112.4	32.86	112	33.62
	7	6	118.8	31.28	118.4	31.96	118.4	32.72	118	33.08	118	33.44	113.4	32.14
	9	7.9	124.8	31.9	124.4	32.62	124.4	33.3	124.2	33.66	121.6	32.94	113.4	30.16
120%	11	9.8	131.2	32.54	130.8	33.2	130.2	33.62	125.8	32.32	121.6	30.96	113.4	28.4
	13	11.8	138	33.16	137.8	33.8	130.2	31.5	125.8	30.24	121.6	29.08	113.4	26.66
	15	13.7	144.8	33.74	138.4	32	130.2	29.66	125.8	28.54	121.6	27.38	113.4	25.18
	-19.8	-20	64.4	21.36	64.2	22.62	63.8	23.92	63.8	24.5	63.8	25.18	63.4	26.44
	-18.8	-19	65.4	21.76	65	23.02	65	24.28	64.8	24.86	64.8	25.54	64.4	26.8
	-16.7	-17	68	22.62	67.6	23.84	67.2	25	67.2	25.62	67.2	26.26	67	27.42
	-13.7	-15	70.8	23.52	70.4	24.68	70.2	25.8	70.2	26.44	70.2	26.98	69.8	28.14
	-11.8	-13	73.6	24.42	73.6	25.54	73.4	26.62	73.4	27.2	73	27.74	73	28.86
	-9.8	-11	77.2	25.36	76.8	26.38	76.8	27.46	76.6	28	76.6	28.5	76.2	29.58
	-9.5	-10	79	25.8	78.8	26.84	78.4	27.86	78.4	28.4	78.4	28.9	78.2	29.94
	-8.5	-9.1	80.6	26.2	80.4	27.2	80.4	28.22	80	28.72	80	29.26	79.6	30.24
	-7	-7.6	83.4	26.88	83.4	27.86	83.2	28.82	83.2	29.3	82.8	29.8	82.8	30.74
	-5	-5.6	88	27.74	87.6	28.68	87.2	29.62	87.2	30.06	87.2	30.56	87	31.42
	-3	-3.7	92	28.58	92	29.48	91.8	30.34	91.8	30.74	91.4	31.24	91.4	32.08
	0	-0.7	99.4	29.8	99.4	30.6	99	31.42	99	31.82	98.8	32.22	98.8	33.04
	3	2.2	107.2	30.92	107	31.64	107	32.4	106.6	32.8	106.6	33.16	104.4	32.98
	5	4.1	112.8	31.6	112.4	32.32	112.4	33.04	112	33.38	112	33.74	104.4	30.96
110%	7	6	118.4	32.22	118.4	32.9	118.2	33.56	116.2	33.12	112.4	31.78	104.4	29.12
	9	7.9	124.4	32.86	124.2	33.52	120	32.4	116.2	31.1	112.4	29.84	104.4	27.42
	11	9.8	130.8	33.44	127.6	32.86	120	30.48	116.2	29.3	112.4	28.1	104.4	25.84
	13	11.8	135.6	33.12	127.6	30.84	120	28.58	116.2	27.52	112.4	26.44	104.4	24.32
	15	13.7	135.6	31.2	127.6	29.04	120	26.98	116.2	25.9	112.4	24.9	104.4	22.94
	-19.8	-20	64.2	23.24	63.8	24.36	63.4	25.54	63.4	26.12	63.6	26.7	63.2	27.86
	-18.8	-19	65	23.6	64.8	24.72	64.8	25.9	64.8	26.44	64.4	27.02	64.4	28.18
	-16.7	-17	67.6	24.36	67.2	25.5	68.2	26.62	67	27.16	67	27.68	66.6	28.76
	-13.7	-15	70.4	25.22	70.2	26.26	69.8	27.34	69.8	27.86	69.8	28.4	69.6	29.44
	-11.8	-13	73.4	26.08	73.4	27.06	73	28.04	73	28.58	72.8	29.08	72.8	30.12
	-9.8	-11	76.8	26.88	76.6	27.86	76.6	28.82	76.2	29.3	76.2	29.8	76.2	30.74
	-9.5	-10	78.8	27.34	78.4	28.22	78	29.22	78	29.66	78	30.16	77.8	31.1
	-8.5	-9.1	80.4	27.68	80	28.58	80	29.52	79.6	30.02	79.6	30.48	79.6	31.78
	-7	-7.6	83.2	28.32	83.2	29.18	82.8	30.06	82.8	30.52	82.8	30.96	82.6	31.86
	-5	-5.6	87.6	29.12	87.2	29.98	87	30.78	87	31.24	87	31.64	86.6	32.54
	-3	-3.7	91.8	29.84	91.8	30.66	91.4	31.46	91.4	31.86	91.2	32.26	91.2	33.08
	0	-0.7	99	30.96	99	31.72	98.8	32.5	98.8	32.86	98.8	33.2	95.8	32.58
	3	2.2	107	32	106.6	32.68	106.6	33.38	106.4	33.7	102.8	32.32	95.8	29.66
	5	4.1	112.4	32.62	112.4	33.3	110.2	32.98	106.4	31.64	102.8	30.38	95.8	27.86
	7	6	118	33.2	117.2	33.44	110.2	30.96	106.4	29.76	102.8	28.58	95.8	26.26
	9	7.9	124.2	33.74	117.2	31.42	110.2	29.12	106.4	28	102.8	26.88	95.8	24.72
	11	9.8	124.2	31.78	117.2	29.58	110.2	27.42	106.4	26.38	102.8	25.36	95.8	23.34
	13	11.8	124.2	29.8	117.2	27.74	110.2	25.76	106.4	24.82	102.8	23.84	95.8	22
	15	13.7	124.2	26.44	117.2	26.16	110.2	24.32	106.4	23.42	102.8	22.52	95.8	20.78

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	63.8	25.08	63.4	26.12	63.4	27.2	63.2	27.74	63.2	28.22	62.8	29.3
	-18.8	-19	64.8	25.4	64.8	26.44	64.4	27.52	64.4	28.04	64.2	28.58	64.2	29.62
	-16.7	-17	67.2	26.12	67	27.16	67	28.14	66.6	28.64	66.6	29.12	66.6	30.16
	-13.7	-15	70.2	26.88	69.8	27.86	69.6	28.82	69.6	29.3	69.6	29.8	69.2	30.74
	-11.8	-13	73	27.68	73	28.58	72.8	29.48	72.8	29.98	72.8	30.42	72.4	31.36
	-9.8	-11	76.6	28.4	76.2	29.3	76.2	30.2	76.2	30.66	75.8	31.06	75.8	31.96
	-9.5	-10	78.4	28.82	78.2	29.66	78.2	30.52	77.8	30.96	77.8	31.42	77.4	32.26
	-8.5	-9.1	80	29.12	79.6	30.02	79.6	30.84	79.6	31.24	79.4	31.68	79.4	32.5
	-7	-7.6	82.8	29.7	82.8	30.52	82.6	31.32	82.6	31.78	82.6	32.14	82.2	32.98
	-5	-5.6	87.2	30.48	87	31.24	87	32	86.6	32.36	86.6	32.76	86.4	33.56
	-3	-3.7	91.4	31.14	91.4	32.86	91.2	32.62	91.2	32.98	91.2	33.34	87.2	31.96
	0	-0.7	98.8	32.14	98.8	32.86	98.4	33.52	96.8	32.98	93.6	31.6	87.2	29
	3	2.2	106.6	33.08	106.4	33.7	100	31.2	96.8	29.98	93.6	28.76	87.2	26.44
	5	4.1	112	33.7	106.4	31.64	100	29.3	96.8	28.22	93.6	27.1	87.2	24.9
	7	6	112.8	31.96	106.4	29.76	100	27.6	96.8	26.56	93.6	25.54	87.2	23.48
90%	9	7.9	112.8	30.02	106.4	28	100	25.98	96.8	24.68	93.6	24.06	87.2	22.16
	11	9.8	112.8	28.28	106.4	26.38	100	24.5	96.8	23.6	93.6	22.7	87.2	20.92
	13	11.8	112.8	26.56	106.4	24.82	100	23.06	96.8	22.22	93.6	21.4	87.2	19.74
	15	13.7	112.8	25.04	106.4	23.42	100	21.82	96.8	21	93.6	20.2	87.2	18.72
	-19.8	-20	63.4	26.98	63	27.86	63	28.86	62.8	29.3	62.8	29.8	62.8	30.74
	-18.8	-19	64.4	27.24	64.4	28.22	64	29.12	64	29.62	64	30.06	63.8	31.02
	-16.7	-17	66.8	27.92	66.6	28.82	66.6	29.7	66.6	30.16	66.2	30.6	66.2	31.5
	-13.7	-15	69.8	28.58	69.4	29.48	69.4	30.34	69	30.74	69	31.2	69	32.04
	-11.8	-13	72.6	29.3	72.6	30.12	72.2	30.92	72.2	31.36	72.2	31.78	72	32.58
	-9.8	-11	76	29.98	76	30.74	75.8	31.54	75.8	31.96	75.8	32.36	75.4	33.16
	-9.5	-10	78	30.34	77.6	31.1	77.6	31.86	77.4	32.26	77.4	32.68	77.4	33.38
	-8.5	-9.1	79.6	30.66	79.6	31.42	79.2	32.14	79.2	32.5	79.2	32.9	78.2	33.2
	-7	-7.6	82.4	31.14	82.4	31.86	82	32.62	82	32.98	82	33.34	78.2	31.72
	-5	-5.6	86.8	31.82	86.6	32.5	86.6	33.2	86.2	33.56	84	32.5	78.2	29.8
	-3	-3.7	91	32.44	91	33.08	90	33.2	86.8	31.9	84	30.6	78.2	28.1
80%	0	-0.7	98.6	33.38	95.8	32.54	90	30.16	86.8	28.94	84	27.82	78.2	25.54
	3	2.2	101.4	31.78	95.8	29.62	90	27.46	86.8	26.44	84	25.36	78.2	23.38
	5	4.1	101.4	29.88	95.8	27.86	90	25.9	86.8	24.86	84	23.96	78.2	22.04
	7	6	101.4	28.1	95.8	26.26	90	24.36	86.8	23.48	84	22.58	78.2	20.82
	9	7.9	101.4	26.48	95.8	24.68	90	22.98	86.8	22.16	84	21.32	78.2	19.7
	11	9.8	101.4	24.96	95.8	23.3	90	21.72	86.8	20.92	84	20.16	78.2	18.62
	13	11.8	101.4	23.48	95.8	22	90	20.46	86.8	19.74	84	19.02	78.2	17.6
	15	13.7	101.4	22.16	95.8	20.74	90	19.38	86.8	18.72	84	18.04	78.2	16.7
	-19.8	-20	63.2	28.82	62.8	29.66	62.8	30.52	62.8	30.92	62.6	31.36	62.6	32.18
	-18.8	-19	64.2	29.08	64.2	29.94	63.8	30.74	63.8	31.2	63.8	31.6	63.4	32.44
	-16.7	-17	66.6	29.66	66.4	30.48	66.4	31.28	66.4	31.68	66.4	32.08	66	32.86
	-13.7	-15	69.6	30.3	69.2	31.06	69.2	31.82	69.2	32.18	68.8	32.58	68.8	33.38
	-11.8	-13	72.4	30.88	72.4	31.64	72	32.36	72	32.72	72	33.12	69.8	32.22
	-9.8	-11	75.8	31.5	75.8	32.22	75.6	32.94	75.6	33.26	75	33.2	69.8	30.42
	-9.5	-10	77.8	31.82	77.4	32.5	77.4	33.2	77.4	33.56	75	32.22	69.8	29.52
	-8.5	-9.1	79.4	32.14	73.8	32.8	79	33.44	77.4	32.68	75	31.36	69.8	28.76

Note: TC: Total capacity, PI: Power input.

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Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	62.8	30.7	62.4	31.42	62.4	32.14	62.4	32.5	62.4	32.9	60.8	32.54
	-18.8	-19	63.6	30.92	63.6	31.64	63.4	32.36	63.4	32.72	63.4	33.12	60.8	31.86
	-16.7	-17	66.2	31.42	66.2	32.14	65.8	32.86	65.8	33.2	65.2	29.58	60.8	30.38
	-13.7	-15	69	31.96	68.8	32.68	68.8	33.34	67.4	32.86	65.2	31.5	60.8	28.9
	-11.8	-13	71.8	32.5	71.8	33.16	70	32.36	67.4	31.1	65.2	29.84	60.8	27.38
	-9.8	-11	75.4	33.04	74.4	33.04	70	30.56	67.4	29.4	65.2	28.22	60.8	25.9
	-9.5	-10	77.2	33.34	74.4	32.04	70	29.66	67.4	28.54	65.2	27.42	60.8	25.18
	-8.5	-9.1	78.8	33.52	74.4	31.2	70	28.9	67.4	27.78	65.2	26.7	60.8	24.54
	-7	-7.6	78.8	32	74.4	29.8	70	27.64	67.4	26.62	65.2	25.54	60.8	23.52
	-5	-5.6	78.8	30.06	74.4	28.04	70	26.02	67.4	25	65.2	24.58	60.8	22.16
	-3	-3.7	78.8	28.32	74.4	26.44	70	24.54	67.4	23.6	65.2	22.7	60.8	20.96
	0	-0.7	78.8	25.76	74.4	24.1	70	22.4	67.4	21.58	65.2	20.78	60.8	19.2
	3	2.2	78.8	23.56	74.4	22.04	70	20.56	67.4	19.8	65.2	19.08	60.8	17.64
	5	4.1	78.8	22.22	74.4	20.78	70	19.44	67.4	18.72	65.2	18.04	60.8	16.7
	7	6	78.8	21	74.4	19.66	70	18.36	67.4	17.72	65.2	17.1	60.8	15.84
	9	7.9	78.8	19.84	74.4	18.62	70	17.36	67.4	16.78	65.2	16.2	60.8	15.04
60%	11	9.8	78.8	18.76	74.4	17.6	70	16.48	67.4	15.94	65.2	15.4	60.8	14.28
	13	11.8	78.8	17.72	74.4	16.64	70	15.58	67.4	15.08	65.2	14.54	60.8	13.56
	15	13.7	78.8	16.82	74.4	15.8	70	14.8	67.4	14.32	65.2	13.82	60.8	12.92
	-19.8	-20	62.6	32.54	62.2	33.16	60	31.9	58.2	30.66	56.2	29.44	52.4	26.98
	-18.8	-19	63.4	32.76	63.4	33.38	60	31.24	58.2	29.98	56.2	28.76	52.4	26.44
	-16.7	-17	66	33.2	63.8	32.14	60	29.8	58.2	28.64	56.2	27.52	52.4	25.26
	-13.7	-15	67.6	32.86	63.8	30.52	60	28.32	58.2	27.24	56.2	26.16	52.4	24.06
	-11.8	-13	67.6	31.06	63.8	28.9	60	26.84	58.2	25.84	56.2	24.82	52.4	22.98
	-9.8	-11	67.6	29.36	63.8	27.34	60	25.4	58.2	24.46	56.2	23.52	52.4	21.68
	-9.5	-10	67.6	28.54	63.8	26.62	60	24.68	58.2	23.78	56.2	22.88	52.4	21.1
	-8.5	-9.1	67.6	27.78	63.8	25.9	60	24.1	58.2	23.2	56.2	22.3	52.4	20.56
	-7	-7.6	67.6	26.56	63.8	24.82	60	23.06	58.2	22.22	56.2	21.36	52.4	19.74
	-5	-5.6	67.6	25	63.8	23.38	60	21.76	58.2	20.96	56.2	20.2	52.4	18.66
	-3	-3.7	67.6	23.6	63.8	22.08	60	20.56	58.2	19.84	56.2	19.12	52.4	17.68
	0	-0.7	67.6	21.58	63.8	20.2	60	18.84	58.2	18.22	56.2	17.54	52.4	16.24
	3	2.2	67.6	19.8	63.8	18.58	60	17.36	58.2	16.74	56.2	16.16	52.4	14.98
50%	5	4.1	67.6	18.72	63.8	17.54	60	16.42	58.2	15.88	56.2	15.3	52.4	14.22
	7	6	67.6	17.72	63.8	16.64	60	15.58	58.2	15.04	56.2	14.54	52.4	13.5
	9	7.9	67.6	16.78	63.8	15.76	60	14.76	58.2	14.32	56.2	13.78	52.4	12.88
	11	9.8	67.6	15.94	63.8	14.98	60	14.04	58.2	13.6	56.2	13.1	52.4	12.26
	13	11.8	67.6	15.04	63.8	14.18	60	13.32	58.2	12.92	56.2	12.48	52.4	11.66
	15	13.7	67.6	14.32	63.8	13.46	60	12.7	58.2	12.3	56.2	11.9	52.4	11.12
	-19.8	-20	56.4	29.62	53.2	27.56	50	25.58	48.2	24.64	46.6	23.7	43.4	21.82
	-18.8	-19	56.4	28.94	53.2	26.98	50	25.08	48.2	24.14	46.6	23.2	43.4	21.4
	-16.7	-17	56.4	27.64	53.2	25.76	50	23.96	48.2	23.06	46.6	22.22	43.4	20.5
	-13.7	-15	56.4	26.3	53.2	24.54	50	22.84	48.2	22	46.6	21.18	43.4	19.56
	-11.8	-13	56.4	25	53.2	23.34	50	21.72	48.2	20.92	46.6	20.16	43.4	18.62
	-9.8	-11	56.4	23.66	53.2	22.12	50	20.6	48.2	19.84	46.6	19.12	43.4	17.72
	-9.5	-10	56.4	23.02	53.2	21.5	50	20.06	48.2	19.34	46.6	18.62	43.4	17.24
	-8.5	-9.1	56.4	22.44	53.2	21	50	19.56	48.2	18.9	46.6	18.22	43.4	16.82
	-7	-7.6	56.4	21.5	53.2	20.16	50	18.76	48.2	18.14	46.6	17.5	43.4	16.2
	-5	-5.6	56.4	20.28	53.2	19.02	50	17.78	48.2	17.18	46.6	16.56	43.4	15.34
	-3	-3.7	56.4	19.2	53.2	18.04	50	16.82	48.2	16.3	46.6	15.7	43.4	14.58
	0	-0.7	56.4	17.64	53.2	16.56	50	15.52	48.2	14.98	46.6	14.5	43.4	13.46
	3	2.2	56.4	16.24	53.2	15.26	50	14.32	48.2	13.82	46.6	13.38	43.4	12.48
	5	4.1	56.4	15.4	53.2	14.5	50	13.6	48.2	13.14	46.6	12.74	43.4	11.84
	7	6	56.4	14.64	53.2	13.78	50	12.92	48.2	12.52	46.6	12.12	43.4	11.3
	9	7.9	56.4	13.86	53.2	13.1	50	12.3	48.2	11.94	46.6	11.54	43.4	10.78
	11	9.8	56.4	13.2	53.2	12.44	50	11.72	48.2	11.36	46.6	11	43.4	10.28
	13	11.8	56.4	12.56	53.2	11.84	50	11.12	48.2	10.82	46.6	10.46	43.4	9.82
	15	13.7	56.4	11.94	53.2	11.3	50	10.64	48.2	10.32	46.6	10	43.4	9.38

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	45	22.52	42.6	20.94	40	19.44	38.4	18.72	37.2	18	34.6	16.58
	-18.8	-19	45	22	42.6	20.5	40	19.06	38.4	18.34	37.2	17.64	34.6	16.26
	-16.7	-17	45	21.02	42.6	19.58	40	18.22	38.4	17.54	37.2	16.88	34.6	15.58
	-13.7	-15	45	19.98	42.6	18.66	40	17.36	38.4	16.72	37.2	16.1	34.6	14.88
	-11.8	-13	45	19	42.6	17.74	40	16.5	38.4	15.9	37.2	15.32	34.6	14.16
	-9.8	-11	45	17.98	42.6	16.82	40	15.66	38.4	15.08	37.2	14.52	34.6	13.48
	-9.5	-10	45	17.5	42.6	16.34	40	15.24	38.4	14.7	37.2	14.16	34.6	13.1
	-8.5	-9.1	45	17.06	42.6	15.96	40	14.88	38.4	14.36	37.2	13.84	34.6	12.8
	-7	-7.6	45	16.34	42.6	15.32	40	14.26	38.4	13.78	37.2	13.3	34.6	12.32
	-5	-5.6	45	15.42	42.6	14.46	40	13.5	38.4	13.06	37.2	12.58	34.6	11.66
	-3	-3.7	45	14.6	42.6	13.72	40	12.8	38.4	12.38	37.2	11.94	34.6	11.08
	0	-0.7	45	13.4	42.6	12.58	40	11.8	38.4	11.4	37.2	11.02	34.6	10.24
	3	2.2	45	12.34	42.6	11.6	40	10.88	38.4	10.5	37.2	10.16	34.6	9.48
	5	4.1	45	11.7	42.6	11.02	40	10.34	38.4	10	37.2	9.68	34.6	9
	7	6	45	11.12	42.6	10.48	40	9.82	38.4	9.52	37.2	9.2	34.6	8.6
30%	9	7.9	45	10.54	42.6	9.96	40	9.34	38.4	9.08	37.2	8.76	34.6	8.18
	11	9.8	45	10.02	42.6	9.44	40	8.9	38.4	8.62	37.2	8.36	34.6	7.82
	13	11.8	45	9.56	42.6	9	40	8.46	38.4	8.22	37.2	7.94	34.6	7.46
	15	13.7	45	9.08	42.6	8.6	40	8.08	38.4	7.84	37.2	7.6	34.6	7.12
	-19.8	-20	33.8	16.52	31.8	15.38	30	11.42	28.8	13.74	28	13.22	26	12.18
	-18.8	-19	33.8	16.16	31.8	15.06	30	11.2	28.8	13.48	28	12.94	26	11.94
	-16.7	-17	33.8	15.42	31.8	14.38	30	10.7	28.8	12.88	28	12.4	26	11.44
	-13.7	-15	33.8	14.68	31.8	13.7	30	10.2	28.8	12.28	28	11.82	26	10.92
	-11.8	-13	33.8	13.94	31.8	13.02	30	9.7	28.8	11.66	28	11.24	26	10.4
	-9.8	-11	33.8	13.2	31.8	12.34	30	9.2	28.8	11.06	28	10.66	26	9.9
	-9.5	-10	33.8	12.84	31.8	12	30	8.96	28.8	10.8	28	10.4	26	9.62
	-8.5	-9.1	33.8	12.52	31.8	11.72	30	8.74	28.8	10.54	28	10.16	26	9.4
	-7	-7.6	33.8	12	31.8	11.24	30	8.38	28.8	10.12	28	9.76	26	9.04
	-5	-5.6	33.8	11.32	31.8	10.62	30	7.94	28.8	9.6	28	9.24	26	8.56
	-3	-3.7	33.8	10.72	31.8	10.06	30	7.52	28.8	9.1	28	8.76	26	8.14
	0	-0.7	33.8	9.84	31.8	9.24	30	6.94	28.8	8.36	28	8.08	26	7.52
20%	3	2.2	33.8	9.06	31.8	8.52	30	6.4	28.8	7.72	28	7.46	26	6.96
	5	4.1	33.8	8.58	31.8	8.08	30	6.08	28.8	7.34	28	7.12	26	6.62
	7	6	33.8	8.16	31.8	7.68	30	5.76	28.8	6.98	28	6.76	26	6.32
	9	7.9	33.8	7.74	31.8	7.32	30	5.48	28.8	6.66	28	6.44	26	6.02
	11	9.8	33.8	7.36	31.8	6.94	30	5.22	28.8	6.34	28	6.14	26	5.74
	13	11.8	33.8	7.02	31.8	6.62	30	4.96	28.8	6.04	28	5.84	26	5.48
	15	13.7	33.8	6.66	31.8	6.32	30	4.74	28.8	5.76	28	5.58	26	5.24
	-19.8	-20	22.6	10.66	21.2	9.92	20	9.2	19.2	8.86	18.6	8.54	17.4	7.86
	-18.8	-19	22.6	10.42	21.2	9.7	20	9.04	19.2	8.7	18.6	8.36	17.4	7.7
	-16.7	-17	22.6	9.96	21.2	9.28	20	8.62	19.2	8.3	18.6	8	17.4	7.38
	-13.7	-15	22.6	9.46	21.2	8.84	20	8.22	19.2	7.92	18.6	7.62	17.4	7.04
	-11.8	-13	22.6	9	21.2	8.4	20	7.82	19.2	7.52	18.6	7.26	17.4	6.7
	-9.8	-11	22.6	8.52	21.2	7.96	20	7.42	19.2	7.14	18.6	6.88	17.4	6.38
	-9.5	-10	22.6	8.28	21.2	7.74	20	7.22	19.2	6.96	18.6	6.7	17.4	6.2
	-8.5	-9.1	22.6	8.08	21.2	7.56	20	7.04	19.2	6.8	18.6	6.56	17.4	6.06
	-7	-7.6	22.6	7.74	21.2	7.26	20	6.76	19.2	6.52	18.6	6.3	17.4	5.84
	-5	-5.6	22.6	7.3	21.2	6.86	20	6.4	19.2	6.18	18.6	5.96	17.4	5.52
	-3	-3.7	22.6	6.92	21.2	6.5	20	6.06	19.2	5.86	18.6	5.66	17.4	5.26
	0	-0.7	22.6	6.34	21.2	5.96	20	5.6	19.2	5.4	18.6	5.22	17.4	4.84
	3	2.2	22.6	5.84	21.2	5.5	20	5.16	19.2	4.98	18.6	4.82	17.4	4.5
	5	4.1	22.6	5.54	21.2	5.22	20	4.9	19.2	4.74	18.6	4.58	17.4	4.26
	7	6	22.6	5.26	21.2	4.96	20	4.66	19.2	4.5	18.6	4.36	17.4	4.08
	9	7.9	22.6	5	21.2	4.72	20	4.42	19.2	4.3	18.6	4.16	17.4	3.88
	11	9.8	22.6	4.74	21.2	4.48	20	4.22	19.2	4.08	18.6	3.96	17.4	3.7
	13	11.8	22.6	4.52	21.2	4.26	20	4	19.2	3.9	18.6	3.76	17.4	3.54
	15	13.7	22.6	4.3	21.2	4.08	20	3.82	19.2	3.72	18.6	3.6	17.4	3.38

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR340ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	68.7	20.11	68.3	21.54	68	22.99	68	23.68	67.6	24.37	67.6	25.81
	-18.8	-19	69.7	20.57	69.3	21.97	69.3	23.4	68.9	24.1	68.9	24.74	68.7	26.18
	-16.7	-17	72.3	21.54	72	22.89	71.7	24.24	71.7	24.89	71.7	25.58	71.3	26.93
	-13.7	-15	75.4	22.53	75.1	23.82	74.7	25.12	74.7	25.77	74.4	26.41	74.4	27.71
	-11.8	-13	78.4	23.54	78.4	24.79	78.1	26	77.8	26.64	77.8	27.3	77.4	28.5
	-9.8	-11	82.1	24.56	81.8	25.77	81.4	26.93	81.4	27.53	81.4	28.13	81.2	29.33
	-9.5	-10	84.1	25.12	83.8	26.23	83.5	27.39	83.5	27.99	83.1	28.54	83.1	29.7
	-8.5	-9.1	85.8	25.53	85.5	26.64	85.5	27.8	85.2	28.36	85.2	28.92	84.8	30.07
	-7	-7.6	88.8	26.27	88.8	27.39	88.4	28.46	88.4	29.01	88.2	29.52	87.8	30.63
	-5	-5.6	93.5	27.3	93.2	28.31	92.9	29.33	92.9	29.89	92.5	30.36	92.5	31.37
	-3	-3.7	97.9	28.17	97.6	29.14	97.6	30.13	97.3	30.63	97.3	31.14	96.9	32.07
	0	-0.7	105.6	29.52	105.6	30.44	105.3	31.33	105.3	31.7	105	32.26	105	33.18
	3	2.2	114.1	30.77	113.7	31.6	113.4	32.44	113.4	32.86	113.4	33.32	113	34.11
	5	4.1	119.8	31.51	119.5	32.34	119.5	33.13	119.1	33.56	119.1	33.93	118.8	34.71
	7	6	125.9	32.3	125.5	33	125.5	33.78	125.1	34.16	125.1	34.53	120.2	33.18
	9	7.9	132.3	32.94	131.9	33.69	131.9	34.39	131.6	34.76	128.9	34.01	120.2	31.14
	11	9.8	139	33.6	138.6	34.29	138	34.71	133.3	33.37	128.9	31.97	120.2	29.33
	13	11.8	146.3	34.24	146.1	34.9	138	32.53	133.3	31.23	128.9	30.03	120.2	27.53
	15	13.7	153.5	34.84	146.7	33.04	138	30.63	133.3	29.47	128.9	28.27	120.2	26
120%	-19.8	-20	68.3	22.06	68	23.36	67.6	24.7	67.6	25.3	67.6	26	67.2	27.3
	-18.8	-19	69.3	22.47	68.9	23.77	68.9	25.07	68.7	25.67	68.7	26.37	68.3	27.67
	-16.7	-17	72	23.36	71.7	24.61	71.2	25.81	71.3	26.46	71.3	27.11	71	28.31
	-13.7	-15	75.1	24.28	74.7	25.49	74.4	26.64	74.4	27.3	74.4	27.86	74	29.06
	-11.8	-13	78.1	25.21	78.1	26.37	77.8	27.48	77.8	28.08	77.4	28.64	77.4	29.8
	-9.8	-11	81.8	26.18	81.4	27.24	81.4	28.36	81.2	28.92	81.2	29.43	80.8	30.54
	-9.5	-10	83.8	26.64	83.5	27.71	83.1	28.77	83.1	29.33	83.1	29.84	82.8	30.91
	-8.5	-9.1	85.5	27.06	85.2	28.08	85.2	29.14	84.8	29.66	84.8	30.21	84.4	31.23
	-7	-7.6	88.4	27.76	88.4	28.77	88.2	29.76	88.2	30.26	87.8	30.77	87.8	31.74
	-5	-5.6	93.2	28.64	92.9	29.61	92.5	30.59	92.5	31.04	92.5	31.56	92.2	32.44
	-3	-3.7	97.6	29.52	97.6	30.44	97.3	31.33	97.3	31.74	96.9	32.26	96.9	33.13
	0	-0.7	105.3	30.77	105.3	31.6	105	32.44	105	32.86	104.7	33.27	104.7	34.11
	3	2.2	113.7	31.93	113.4	32.67	113.4	33.46	113	33.87	113	34.24	110.7	34.06
	5	4.1	119.5	32.63	119.1	33.37	119.1	34.11	118.8	34.47	118.8	34.84	110.7	31.97
	7	6	125.5	33.27	125.5	33.97	125.2	34.66	123.2	34.2	119.1	32.81	110.7	30.07
	9	7.9	131.9	33.93	131.6	34.62	127.2	33.46	123.2	32.11	119.1	30.82	110.7	28.31
	11	9.8	138.6	34.53	135.3	33.93	127.2	31.47	123.2	30.26	119.1	29.01	110.7	26.69
	13	11.8	143.7	34.2	135.3	31.84	127.2	29.52	123.2	28.41	119.1	27.3	110.7	25.12
	15	13.7	143.7	32.21	135.3	29.98	127.2	27.86	123.2	26.74	119.1	25.72	110.7	23.68
110%	-19.8	-20	68	24	67.6	25.16	67.2	26.37	67.2	26.97	67.4	27.57	67	28.77
	-18.8	-19	68.9	24.37	68.7	25.53	68.7	26.74	68.7	27.3	68.3	27.9	68.3	29.1
	-16.7	-17	71.7	25.16	71.3	26.33	72.3	27.48	71	28.04	71	28.59	70.6	29.7
	-13.7	-15	74.7	26.04	74.4	27.11	74	28.23	74	28.77	74	29.33	73.7	30.4
	-11.8	-13	77.8	26.93	77.8	27.94	77.4	28.96	77.4	29.52	77.1	30.03	77.1	31.1
	-9.8	-11	81.4	27.76	81.2	28.77	81.2	29.76	80.8	30.26	80.8	30.77	80.8	31.74
	-9.5	-10	83.5	28.23	83.1	29.14	82.7	30.17	82.7	30.63	82.7	31.14	82.5	32.11
	-8.5	-9.1	85.2	28.59	84.8	29.52	84.8	30.49	84.4	31	84.4	31.47	84.4	28.69
	-7	-7.6	88.2	29.24	88.2	30.13	87.8	31.04	87.8	31.51	87.8	31.97	87.5	32.9
	-5	-5.6	92.9	30.07	92.5	30.96	92.2	31.79	92.2	32.26	92.2	32.67	91.8	33.6
	-3	-3.7	97.3	30.82	97.3	31.66	96.9	32.49	96.9	32.9	96.6	33.32	96.6	34.16
	0	-0.7	105	31.97	105	32.76	104.7	33.56	104.7	33.93	104.7	34.29	101.6	33.64
	3	2.2	113.4	33.04	113	33.74	113	34.47	112.7	34.8	109	33.37	101.6	30.63
	5	4.1	119.1	33.69	119.1	34.39	116.8	34.06	112.7	32.67	109	31.37	101.6	28.77
	7	6	125.1	34.29	124.2	34.53	116.8	31.97	112.7	30.73	109	29.52	101.6	27.11
	9	7.9	131.6	34.84	124.2	32.44	116.8	30.07	112.7	28.92	109	27.76	101.6	25.53
	11	9.8	131.6	32.81	124.2	30.54	116.8	28.31	112.7	27.24	109	26.18	101.6	24.1
	13	11.8	131.6	30.77	124.2	28.64	116.8	26.6	112.7	25.63	109	24.61	101.6	22.71
	15	13.7	131.6	27.3	124.2	27.02	116.8	25.12	112.7	24.19	109	23.26	101.6	21.46

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	67.6	25.9	67.2	26.97	67.2	28.08	67	28.64	67	29.14	66.6	30.26
	-18.8	-19	68.7	26.23	68.7	27.3	68.3	28.41	68.3	28.96	68	29.52	68	30.59
	-16.7	-17	71.3	26.97	71	28.04	71	29.06	70.6	29.57	70.6	30.07	70.6	31.14
	-13.7	-15	74.4	27.76	74	28.77	73.7	29.76	73.7	30.26	73.7	30.77	73.4	31.74
	-11.8	-13	77.4	28.59	77.4	29.52	77.1	30.44	77.1	30.96	77.1	31.42	76.7	32.39
	-9.8	-11	81.2	29.33	80.8	30.26	80.8	31.19	80.8	31.66	80.4	32.07	80.4	33
	-9.5	-10	83.1	29.76	82.8	30.63	82.8	31.51	82.5	31.97	82.5	32.44	82.1	33.32
	-8.5	-9.1	84.8	30.07	84.4	31	84.4	31.84	84.4	32.26	84.1	32.72	84.1	33.56
	-7	-7.6	87.8	30.67	87.8	31.51	87.5	32.34	87.5	32.81	87.5	33.18	87.1	34.06
	-5	-5.6	92.5	31.47	92.2	32.26	92.2	33.04	91.8	33.41	91.8	33.83	91.5	34.66
	-3	-3.7	96.9	32.16	96.9	29.2	96.6	33.69	96.6	34.06	96.6	34.43	92.5	33
	0	-0.7	104.7	33.18	104.7	33.93	104.3	34.62	102.6	34.06	99.3	32.63	92.5	29.94
	3	2.2	113	34.16	112.7	34.8	106	32.21	102.6	30.96	99.3	29.7	92.5	27.3
	5	4.1	118.8	34.8	112.7	32.67	106	30.26	102.6	29.14	99.3	27.99	92.5	25.72
	7	6	119.5	33	112.7	30.73	106	28.5	102.6	27.43	99.3	26.37	92.5	24.24
90%	9	7.9	119.5	31	112.7	28.92	106	26.83	102.6	25.49	99.3	24.84	92.5	22.89
	11	9.8	119.5	29.2	112.7	27.24	106	25.3	102.6	24.37	99.3	23.44	92.5	21.6
	13	11.8	119.5	27.43	112.7	25.63	106	23.82	102.6	22.94	99.3	22.1	92.5	20.39
	15	13.7	119.5	25.86	112.7	24.19	106	22.53	102.6	21.69	99.3	20.86	92.5	19.33
	-19.8	-20	67.2	27.86	66.8	28.77	66.8	29.8	66.5	30.26	66.5	30.77	66.5	31.74
	-18.8	-19	68.2	28.13	68.2	29.14	67.8	30.07	67.8	30.59	67.8	31.04	67.6	32.03
	-16.7	-17	70.8	28.83	70.6	29.76	70.6	30.67	70.6	31.14	70.2	31.6	70.2	32.53
	-13.7	-15	73.9	29.52	73.6	30.44	73.6	31.33	73.2	31.74	73.2	32.21	73.2	33.09
	-11.8	-13	76.9	30.26	76.9	31.1	76.6	31.93	76.6	32.39	76.6	32.81	76.3	33.64
	-9.8	-11	80.6	30.96	80.6	31.74	80.3	32.57	80.3	33	80.3	33.41	79.9	34.24
	-9.5	-10	82.7	31.33	82.3	32.11	82.3	32.9	82	33.32	82	33.74	82	34.47
	-8.5	-9.1	84.4	31.66	84.4	32.44	84	33.18	84	33.56	84	33.97	82.9	34.29
	-7	-7.6	87.3	32.16	87.3	32.9	87	33.69	87	34.06	87	34.43	82.9	32.76
	-5	-5.6	92	32.86	91.8	33.56	91.8	34.29	91.4	34.66	89	33.56	82.9	30.77
	-3	-3.7	96.4	33.5	96.4	34.16	95.4	34.29	92	32.94	89	31.6	82.9	29.01
80%	0	-0.7	104.5	34.47	101.5	33.6	95.4	31.14	92	29.89	89	28.73	82.9	26.37
	3	2.2	107.5	32.81	101.5	30.59	95.4	28.36	92	27.3	89	26.18	82.9	24.14
	5	4.1	107.5	30.86	101.5	28.77	95.4	26.74	92	25.67	89	24.74	82.9	22.76
	7	6	107.5	29.01	101.5	27.11	95.4	25.16	92	24.24	89	23.31	82.9	21.5
	9	7.9	107.5	27.34	101.5	25.49	95.4	23.73	92	22.89	89	22.01	82.9	20.34
	11	9.8	107.5	25.77	101.5	24.06	95.4	22.43	92	21.6	89	20.81	82.9	19.23
	13	11.8	107.5	24.24	101.5	22.71	95.4	21.13	92	20.39	89	19.64	82.9	18.17
	15	13.7	107.5	22.89	101.5	21.41	95.4	20.02	92	19.33	89	18.63	82.9	17.24
	-19.8	-20	67	29.76	66.6	30.63	66.6	31.51	66.6	31.93	66.3	32.39	66.3	33.23
	-18.8	-19	68	30.03	68	30.91	67.6	31.74	67.6	32.21	67.6	32.63	67.2	33.5
	-16.7	-17	70.6	30.63	70.4	31.47	70.4	32.3	70.4	32.72	70.4	33.13	70	33.93
	-13.7	-15	73.7	31.28	73.4	32.07	73.4	32.86	73.4	33.23	73	33.64	73	34.47
	-11.8	-13	76.7	31.88	76.7	32.67	76.4	33.41	76.4	33.78	76.4	34.2	74	33.27
	-9.8	-11	80.4	32.53	80.4	33.27	80.1	34.01	80.1	34.34	79.5	34.29	74	31.42
	-9.5	-10	82.5	32.86	82.1	33.56	82.1	34.29	82.1	34.66	79.5	33.27	74	30.49
80%	-8.5	-9.1	84.1	33.18	78.2	33.87	83.8	34.53	82.1	33.74	79.5	32.39	74	29.7
	-7	-7.6	87.1	33.64	87.1	34.29	84.8	33.56	82.1	32.26	79.5	30.96	74	28.41
	-5	-5.6	91.8	34.24	90.1	34.06	84.8	31.51	82.1	30.31	79.5	29.1	74	26.74
	-3	-3.7	95.6	34.43	90.1	32.07	84.8	29.7	82.1	28.59	79.5	27.43	74	25.26
	0	-0.7	95.6	31.23	90.1	29.1	84.8	27.02	82.1	26	79.5	24.97	74	23.03
	3	2.2	95.6	28.46	90.1	26.56	84.8	24.7	82.1	23.77	79.5	22.89	74	21.09
	5	4.1	95.6	26.79	90.1	25.03	84.8	23.26	82.1	22.43	79.5	21.6	74	19.93
	7	6	95.6	25.26	90.1	23.63	84.8	21.97	82.1	21.23	79.5	20.44	74	18.86
	9	7.9	95.6	23.82	90.1	22.29	84.8	20.76	82.1	20.02	79.5	19.33	74	17.89
	11	9.8	95.6	22.53	90.1	21.04	84.8	19.64	82.1	18.96	79.5	18.3	74	16.96
	13	11.8	95.6	21.23	90.1	19.88	84.8	18.58	82.1	17.93	79.5	17.29	74	16.03
	15	13.7	95.6	20.07	90.1	18.86	84.8	17.61	82.1	17.01	79.5	16.4	74	15.24

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	66.5	31.7	66.1	32.44	66.1	33.18	66.1	33.56	66.1	33.97	64.5	33.6
	-18.8	-19	67.5	31.93	67.5	32.67	67.2	33.41	67.2	33.78	67.2	34.2	64.5	32.9
	-16.7	-17	70.2	32.44	70.2	33.18	69.8	33.93	69.8	34.29	69.1	30.54	64.5	31.37
	-13.7	-15	73.2	33	72.9	33.74	72.9	34.43	71.5	33.93	69.1	32.53	64.5	29.84
	-11.8	-13	76.2	33.56	76.2	34.24	74.2	33.41	71.5	32.11	69.1	30.82	64.5	28.27
	-9.8	-11	79.9	34.11	78.9	34.11	74.2	31.56	71.5	30.36	69.1	29.14	64.5	26.74
	-9.5	-10	81.9	34.43	78.9	33.09	74.2	30.63	71.5	29.47	69.1	28.31	64.5	26
	-8.5	-9.1	83.6	34.62	78.9	32.21	74.2	29.84	71.5	28.69	69.1	27.57	64.5	25.34
	-7	-7.6	83.6	33.04	78.9	30.77	74.2	28.54	71.5	27.48	69.1	26.37	64.5	24.28
	-5	-5.6	83.6	31.04	78.9	28.96	74.2	26.87	71.5	25.81	69.1	30.54	64.5	22.89
	-3	-3.7	83.6	29.24	78.9	27.3	74.2	25.34	71.5	24.37	69.1	23.44	64.5	21.64
	0	-0.7	83.6	26.6	78.9	24.89	74.2	23.13	71.5	22.29	69.1	21.46	64.5	19.83
	3	2.2	83.6	24.33	78.9	22.76	74.2	21.23	71.5	20.44	69.1	19.7	64.5	18.21
	5	4.1	83.6	22.94	78.9	21.46	74.2	20.07	71.5	19.33	69.1	18.63	64.5	17.24
	7	6	83.6	21.69	78.9	20.3	74.2	18.96	71.5	18.3	69.1	17.66	64.5	16.36
	9	7.9	83.6	20.48	78.9	19.23	74.2	17.93	71.5	17.33	69.1	16.73	64.5	15.53
60%	11	9.8	83.6	19.37	78.9	18.17	74.2	17.01	71.5	16.46	69.1	15.9	64.5	14.74
	13	11.8	83.6	18.3	78.9	17.19	74.2	16.08	71.5	15.57	69.1	15.01	64.5	14
	15	13.7	83.6	17.37	78.9	16.31	74.2	15.29	71.5	14.78	69.1	14.27	64.5	13.34
	-19.8	-20	66.3	33.6	65.9	34.24	63.6	32.94	61.6	31.66	59.6	30.4	55.5	27.86
	-18.8	-19	67.2	33.83	67.2	34.47	63.6	32.26	61.6	30.96	59.6	29.7	55.5	27.3
	-16.7	-17	70	34.29	67.6	33.18	63.6	30.77	61.6	29.57	59.6	28.41	55.5	26.09
	-13.7	-15	71.7	33.93	67.6	31.51	63.6	29.24	61.6	28.13	59.6	27.02	55.5	24.84
	-11.8	-13	71.7	32.07	67.6	29.84	63.6	27.71	61.6	26.69	59.6	25.63	55.5	23.73
	-9.8	-11	71.7	30.31	67.6	28.23	63.6	26.23	61.6	25.26	59.6	24.28	55.5	22.38
	-9.5	-10	71.7	29.47	67.6	27.48	63.6	25.49	61.6	24.56	59.6	23.63	55.5	21.78
	-8.5	-9.1	71.7	28.69	67.6	26.74	63.6	24.89	61.6	23.96	59.6	23.03	55.5	21.23
	-7	-7.6	71.7	27.43	67.6	25.63	63.6	23.82	61.6	22.94	59.6	22.06	55.5	20.39
	-5	-5.6	71.7	25.81	67.6	24.14	63.6	22.47	61.6	21.64	59.6	20.86	55.5	19.27
	-3	-3.7	71.7	24.37	67.6	22.8	63.6	21.23	61.6	20.48	59.6	19.74	55.5	18.26
	0	-0.7	71.7	22.29	67.6	20.86	63.6	19.46	61.6	18.81	59.6	18.12	55.5	16.77
	3	2.2	71.7	20.44	67.6	19.19	63.6	17.93	61.6	17.29	59.6	16.68	55.5	15.47
50%	5	4.1	71.7	19.33	67.6	18.12	63.6	16.96	61.6	16.4	59.6	15.8	55.5	14.69
	7	6	71.7	18.3	67.6	17.19	63.6	16.08	61.6	15.53	59.6	15.01	55.5	13.94
	9	7.9	71.7	17.33	67.6	16.27	63.6	15.24	61.6	14.78	59.6	14.23	55.5	13.3
	11	9.8	71.7	16.46	67.6	15.47	63.6	14.5	61.6	14.04	59.6	13.53	55.5	12.66
	13	11.8	71.7	15.53	67.6	14.64	63.6	13.76	61.6	13.34	59.6	12.88	55.5	12.04
	15	13.7	71.7	14.78	67.6	13.9	63.6	13.11	61.6	12.7	59.6	12.28	55.5	11.49
	-19.8	-20	59.7	30.59	56.4	28.46	53	26.41	51	25.44	49.4	24.47	46	22.53
	-18.8	-19	59.7	29.89	56.4	27.86	53	25.9	51	24.93	49.4	23.96	46	22.1
	-16.7	-17	59.7	28.54	56.4	26.6	53	24.74	51	23.82	49.4	22.94	46	21.17
	-13.7	-15	59.7	27.16	56.4	25.34	53	23.59	51	22.71	49.4	21.87	46	20.2
	-11.8	-13	59.7	25.81	56.4	24.1	53	22.43	51	21.6	49.4	20.81	46	19.23
	-9.8	-11	59.7	24.43	56.4	22.84	53	21.27	51	20.48	49.4	19.74	46	18.3
	-9.5	-10	59.7	23.77	56.4	22.2	53	20.71	51	19.97	49.4	19.23	46	17.8
	-8.5	-9.1	59.7	23.17	56.4	21.69	53	20.2	51	19.51	49.4	18.81	46	17.37
	-7	-7.6	59.7	22.2	56.4	20.81	53	19.37	51	18.73	49.4	18.07	46	16.73
	-5	-5.6	59.7	20.94	56.4	19.64	53	18.36	51	17.74	49.4	17.1	46	15.84
	-3	-3.7	59.7	19.83	56.4	18.63	53	17.37	51	16.83	49.4	16.22	46	15.06
	0	-0.7	59.7	18.21	56.4	17.1	53	16.03	51	15.47	49.4	14.97	46	13.9
	3	2.2	59.7	16.77	56.4	15.76	53	14.78	51	14.27	49.4	13.81	46	12.88
	5	4.1	59.7	15.9	56.4	14.97	53	14.04	51	13.57	49.4	13.16	46	12.23
	7	6	59.7	15.11	56.4	14.23	53	13.34	51	12.93	49.4	12.51	46	11.67
	9	7.9	59.7	14.32	56.4	13.53	53	12.7	51	12.33	49.4	11.91	46	11.13
	11	9.8	59.7	13.63	56.4	12.84	53	12.1	51	11.73	49.4	11.36	46	10.61
	13	11.8	59.7	12.97	56.4	12.23	53	11.49	51	11.17	49.4	10.8	46	10.14
	15	13.7	59.7	12.33	56.4	11.67	53	10.98	51	10.66	49.4	10.33	46	9.69

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	47.7	23.25	45.1	21.62	42.4	20.07	40.8	19.33	39.4	18.59	36.7	17.12
	-18.8	-19	47.7	22.72	45.1	21.17	42.4	19.68	40.8	18.94	39.4	18.21	36.7	16.8
	-16.7	-17	47.7	21.7	45.1	20.22	42.4	18.81	40.8	18.11	39.4	17.43	36.7	16.09
	-13.7	-15	47.7	20.64	45.1	19.27	42.4	17.93	40.8	17.26	39.4	16.62	36.7	15.36
	-11.8	-13	47.7	19.62	45.1	18.32	42.4	17.04	40.8	16.42	39.4	15.82	36.7	14.62
	-9.8	-11	47.7	18.56	45.1	17.37	42.4	16.17	40.8	15.57	39.4	15	36.7	13.92
	-9.5	-10	47.7	18.07	45.1	16.87	42.4	15.74	40.8	15.18	39.4	14.62	36.7	13.53
	-8.5	-9.1	47.7	17.61	45.1	16.48	42.4	15.36	40.8	14.83	39.4	14.3	36.7	13.21
	-7	-7.6	47.7	16.87	45.1	15.82	42.4	14.72	40.8	14.23	39.4	13.73	36.7	12.72
	-5	-5.6	47.7	15.92	45.1	14.93	42.4	13.94	40.8	13.49	39.4	12.99	36.7	12.04
	-3	-3.7	47.7	15.07	45.1	14.16	42.4	13.21	40.8	12.78	39.4	12.33	36.7	11.44
	0	-0.7	47.7	13.84	45.1	12.99	42.4	12.19	40.8	11.77	39.4	11.38	36.7	10.57
	3	2.2	47.7	12.75	45.1	11.98	42.4	11.23	40.8	10.85	39.4	10.49	36.7	9.79
	5	4.1	47.7	12.08	45.1	11.38	42.4	10.67	40.8	10.32	39.4	10	36.7	9.3
	7	6	47.7	11.48	45.1	10.82	42.4	10.14	40.8	9.83	39.4	9.5	36.7	8.88
30%	9	7.9	47.7	10.88	45.1	10.28	42.4	9.65	40.8	9.37	39.4	9.05	36.7	8.45
	11	9.8	47.7	10.35	45.1	9.75	42.4	9.19	40.8	8.91	39.4	8.63	36.7	8.07
	13	11.8	47.7	9.87	45.1	9.3	42.4	8.74	40.8	8.49	39.4	8.2	36.7	7.71
	15	13.7	47.7	9.37	45.1	8.88	42.4	8.35	40.8	8.1	39.4	7.85	36.7	7.36
	-19.8	-20	35.8	17.06	33.8	15.88	31.8	11.79	30.6	14.19	29.6	13.65	27.6	12.57
	-18.8	-19	35.8	16.68	33.8	15.55	31.8	11.56	30.6	13.92	29.6	13.37	27.6	12.33
	-16.7	-17	35.8	15.93	33.8	14.85	31.8	11.05	30.6	13.3	29.6	12.8	27.6	11.82
	-13.7	-15	35.8	15.16	33.8	14.15	31.8	10.53	30.6	12.68	29.6	12.21	27.6	11.28
	-11.8	-13	35.8	14.4	33.8	13.45	31.8	10.01	30.6	12.05	29.6	11.61	27.6	10.74
	-9.8	-11	35.8	13.63	33.8	12.75	31.8	9.5	30.6	11.43	29.6	11.01	27.6	10.22
	-9.5	-10	35.8	13.26	33.8	12.39	31.8	9.25	30.6	11.15	29.6	10.74	27.6	9.93
	-8.5	-9.1	35.8	12.93	33.8	12.1	31.8	9.02	30.6	10.89	29.6	10.5	27.6	9.7
	-7	-7.6	35.8	12.39	33.8	11.61	31.8	8.65	30.6	10.45	29.6	10.08	27.6	9.33
	-5	-5.6	35.8	11.69	33.8	10.97	31.8	8.2	30.6	9.91	29.6	9.54	27.6	8.84
	-3	-3.7	35.8	11.07	33.8	10.39	31.8	7.76	30.6	9.39	29.6	9.05	27.6	8.4
	0	-0.7	35.8	10.16	33.8	9.54	31.8	7.16	30.6	8.63	29.6	8.35	27.6	7.76
20%	3	2.2	35.8	9.36	33.8	8.79	31.8	6.6	30.6	7.97	29.6	7.7	27.6	7.19
	5	4.1	35.8	8.86	33.8	8.35	31.8	6.27	30.6	7.58	29.6	7.35	27.6	6.83
	7	6	35.8	8.43	33.8	7.93	31.8	5.95	30.6	7.21	29.6	6.98	27.6	6.52
	9	7.9	35.8	7.99	33.8	7.55	31.8	5.66	30.6	6.88	29.6	6.65	27.6	6.21
	11	9.8	35.8	7.6	33.8	7.16	31.8	5.39	30.6	6.54	29.6	6.34	27.6	5.92
	13	11.8	35.8	7.24	33.8	6.83	31.8	5.13	30.6	6.23	29.6	6.03	27.6	5.66
	15	13.7	35.8	6.88	33.8	6.52	31.8	4.9	30.6	5.95	29.6	5.76	27.6	5.41
	-19.8	-20	23.9	11.01	22.5	10.24	21.2	9.5	20.4	9.15	19.7	8.81	18.4	8.11
	-18.8	-19	23.9	10.76	22.5	10.02	21.2	9.33	20.4	8.98	19.7	8.63	18.4	7.95
	-16.7	-17	23.9	10.28	22.5	9.58	21.2	8.91	20.4	8.57	19.7	8.26	18.4	7.62
	-13.7	-15	23.9	9.77	22.5	9.13	21.2	8.49	20.4	8.18	19.7	7.87	18.4	7.27
	-11.8	-13	23.9	9.29	22.5	8.67	21.2	8.07	20.4	7.77	19.7	7.49	18.4	6.92
	-9.8	-11	23.9	8.79	22.5	8.22	21.2	7.66	20.4	7.37	19.7	7.11	18.4	6.59
	-9.5	-10	23.9	8.55	22.5	7.99	21.2	7.46	20.4	7.19	19.7	6.92	18.4	6.4
	-8.5	-9.1	23.9	8.34	22.5	7.81	21.2	7.27	20.4	7.02	19.7	6.77	18.4	6.26
	-7	-7.6	23.9	7.99	22.5	7.49	21.2	6.98	20.4	6.74	19.7	6.51	18.4	6.03
	-5	-5.6	23.9	7.54	22.5	7.08	21.2	6.61	20.4	6.39	19.7	6.16	18.4	5.7
	-3	-3.7	23.9	7.14	22.5	6.71	21.2	6.26	20.4	6.05	19.7	5.84	18.4	5.43
	0	-0.7	23.9	6.55	22.5	6.16	21.2	5.78	20.4	5.57	19.7	5.39	18.4	5
	3	2.2	23.9	6.03	22.5	5.68	21.2	5.32	20.4	5.14	19.7	4.97	18.4	4.64
	5	4.1	23.9	5.72	22.5	5.39	21.2	5.06	20.4	4.89	19.7	4.73	18.4	4.4
	7	6	23.9	5.44	22.5	5.12	21.2	4.81	20.4	4.65	19.7	4.5	18.4	4.21
	9	7.9	23.9	5.16	22.5	4.87	21.2	4.57	20.4	4.44	19.7	4.29	18.4	4.01
	11	9.8	23.9	4.9	22.5	4.62	21.2	4.36	20.4	4.22	19.7	4.09	18.4	3.82
	13	11.8	23.9	4.67	22.5	4.4	21.2	4.13	20.4	4.02	19.7	3.88	18.4	3.65
	15	13.7	23.9	4.44	22.5	4.21	21.2	3.95	20.4	3.84	19.7	3.73	18.4	3.49

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR360ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	71.2	21.45	70.9	22.98	70.6	24.52	70.6	25.26	70.2	26	70.2	27.53
	-18.8	-19	72.3	21.94	71.9	23.43	71.9	24.96	71.5	25.71	71.5	26.39	71.2	27.93
	-16.7	-17	75.1	22.98	74.8	24.41	74.4	25.86	74.4	26.54	74.4	27.29	74	28.72
	-13.7	-15	78.3	24.03	77.9	25.4	77.5	26.79	77.5	27.49	77.2	28.18	77.2	29.56
	-11.8	-13	81.4	25.11	81.4	26.44	81	27.73	80.7	28.42	80.7	29.12	80.3	30.4
	-9.8	-11	85.2	26.2	84.9	27.49	84.5	28.72	84.5	29.36	84.5	30	84.2	31.29
	-9.5	-10	87.3	26.79	86.9	27.98	86.6	29.21	86.6	29.85	86.2	30.45	86.2	31.68
	-8.5	-9.1	89.1	27.23	88.7	28.42	88.7	29.66	88.4	30.25	88.4	30.84	88	32.08
	-7	-7.6	92.2	28.02	92.2	29.21	91.8	30.35	91.8	30.95	91.5	31.48	91.1	32.67
	-5	-5.6	97.1	29.12	96.8	30.2	96.4	31.29	96.4	31.88	96	32.38	96	33.46
	-3	-3.7	101.6	30.05	101.2	31.09	101.2	32.13	100.9	32.67	100.9	33.22	100.5	34.21
	0	-0.7	109.6	31.48	109.6	32.47	109.3	33.42	109.3	33.81	108.9	34.41	108.9	35.4
	3	2.2	118.4	32.82	118	33.71	117.7	34.6	117.7	35.05	117.7	35.54	117.3	36.39
	5	4.1	124.3	33.61	124	34.5	124	35.34	123.6	35.79	123.6	36.19	123.2	37.03
	7	6	130.6	34.45	130.2	35.2	130.2	36.04	129.8	36.43	129.8	36.83	124.7	35.4
	9	7.9	137.2	35.14	136.9	35.93	136.9	36.68	136.6	37.07	133.8	36.28	124.7	33.22
120%	11	9.8	144.3	35.84	143.9	36.57	143.2	37.03	138.3	35.59	133.8	34.1	124.7	31.29
	13	11.8	151.8	36.53	151.6	37.22	143.2	34.7	138.3	33.31	133.8	32.03	124.7	29.36
	15	13.7	159.2	37.17	152.2	35.25	143.2	32.67	138.3	31.44	133.8	30.16	124.7	27.73
	-19.8	-20	70.9	23.53	70.6	24.91	70.2	26.35	70.2	26.99	70.2	27.73	69.8	29.12
	-18.8	-19	71.9	23.97	71.5	25.36	71.5	26.74	71.3	27.38	71.3	28.13	70.9	29.51
	-16.7	-17	74.8	24.91	74.4	26.25	73.9	27.53	74	28.22	74	28.92	73.7	30.2
	-13.7	-15	77.9	25.9	77.5	27.19	77.2	28.42	77.2	29.12	77.2	29.71	76.8	30.99
	-11.8	-13	81	26.89	81	28.13	80.7	29.32	80.7	29.96	80.3	30.55	80.3	31.79
	-9.8	-11	84.9	27.93	84.5	29.06	84.5	30.25	84.2	30.84	84.2	31.39	83.8	32.58
	-9.5	-10	86.9	28.42	86.6	29.56	86.2	30.69	86.2	31.29	86.2	31.83	86	32.97
	-8.5	-9.1	88.7	28.86	88.4	29.96	88.4	31.09	88	31.63	88	32.23	87.6	33.31
	-7	-7.6	91.8	29.61	91.8	30.69	91.5	31.74	91.5	32.28	91.1	32.82	91.1	33.86
	-5	-5.6	96.8	30.55	96.4	31.59	96	32.62	96	33.11	96	33.66	95.7	34.6
	-3	-3.7	101.2	31.48	101.2	32.47	100.9	33.42	100.9	33.86	100.6	34.41	100.6	35.34
	0	-0.7	109.3	32.82	109.3	33.71	108.9	34.6	108.9	35.05	108.6	35.49	108.6	36.39
	3	2.2	118	34.06	117.7	34.85	117.7	35.69	117.3	36.13	117.3	36.53	114.9	36.33
110%	5	4.1	124	34.8	123.6	35.59	123.6	36.39	123.2	36.77	123.2	37.17	114.9	34.1
	7	6	130.2	35.49	130.2	36.24	130	36.97	127.8	36.48	123.6	35	114.9	32.08
	9	7.9	136.9	36.19	136.6	36.92	132	35.69	127.8	34.26	123.6	32.87	114.9	30.2
	11	9.8	143.9	36.83	140.4	36.19	132	33.57	127.8	32.28	123.6	30.95	114.9	28.47
	13	11.8	149.1	36.48	140.4	33.96	132	31.48	127.8	30.31	123.6	29.12	114.9	26.79
	15	13.7	149.1	34.36	140.4	31.98	132	29.71	127.8	28.52	123.6	27.43	114.9	25.26
	-19.8	-20	70.6	25.6	70.2	26.84	69.8	28.13	69.8	28.77	69.9	29.41	69.5	30.69
	-18.8	-19	71.5	26	71.3	27.23	71.3	28.52	71.3	29.12	70.9	29.76	70.9	31.04
	-16.7	-17	74.4	26.84	74	28.08	75.1	29.32	73.7	29.91	73.7	30.49	73.3	31.68
	-13.7	-15	77.5	27.78	77.2	28.92	76.8	30.11	76.8	30.69	76.8	31.29	76.5	32.43
	-11.8	-13	80.7	28.72	80.7	29.81	80.3	30.89	80.3	31.48	80	32.03	80	33.17
	-9.8	-11	84.5	29.61	84.2	30.69	84.2	31.74	83.8	32.28	83.8	32.82	83.8	33.86
	-9.5	-10	86.6	30.11	86.2	31.09	85.8	32.18	85.8	32.67	85.8	33.22	85.6	34.26
	-8.5	-9.1	88.4	30.49	88	31.48	88	32.52	87.6	33.07	87.6	33.57	87.6	30.6
	-7	-7.6	91.5	31.19	91.5	32.13	91.1	33.11	91.1	33.61	91.1	34.1	90.8	35.09
	-5	-5.6	96.4	32.08	96	33.02	95.7	33.91	95.7	34.41	95.7	34.85	95.3	35.84
	-3	-3.7	100.9	32.87	100.9	33.77	100.6	34.65	100.6	35.09	100.3	35.54	100.3	36.43
	0	-0.7	108.9	34.1	108.9	34.94	108.6	35.79	108.6	36.19	108.6	36.57	105.4	35.89
	3	2.2	117.7	35.25	117.3	35.99	117.3	36.77	117	37.12	113.1	35.59	105.4	32.67
	5	4.1	123.6	35.93	123.6	36.68	121.2	36.33	117	34.85	113.1	33.46	105.4	30.69
	7	6	129.8	36.57	128.9	36.83	121.2	34.1	117	32.78	113.1	31.48	105.4	28.92
	9	7.9	136.6	37.17	128.9	34.6	121.2	32.08	117	30.84	113.1	29.61	105.4	27.23
	11	9.8	136.6	35	128.9	32.58	121.2	30.2	117	29.06	113.1	27.93	105.4	25.71
	13	11.8	136.6	32.82	128.9	30.55	121.2	28.37	117	27.34	113.1	26.25	105.4	24.23
	15	13.7	136.6	29.12	128.9	28.82	121.2	26.79	117	25.8	113.1	24.81	105.4	22.89

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	70.2	27.63	69.8	28.77	69.8	29.96	69.5	30.55	69.5	31.09	69.1	32.28
	-18.8	-19	71.3	27.98	71.3	29.12	70.9	30.31	70.9	30.89	70.6	31.48	70.6	32.62
	-16.7	-17	74	28.77	73.7	29.91	73.7	30.99	73.3	31.54	73.3	32.08	73.3	33.22
	-13.7	-15	77.2	29.61	76.8	30.69	76.5	31.74	76.5	32.28	76.5	32.82	76.1	33.86
	-11.8	-13	80.3	30.49	80.3	31.48	80	32.47	80	33.02	80	33.51	79.6	34.55
	-9.8	-11	84.2	31.29	83.8	32.28	83.8	33.27	83.8	33.77	83.4	34.21	83.4	35.2
	-9.5	-10	86.2	31.74	86	32.67	86	33.61	85.6	34.1	85.6	34.6	85.2	35.54
	-8.5	-9.1	88	32.08	87.6	33.07	87.6	33.96	87.6	34.41	87.3	34.9	87.3	35.79
	-7	-7.6	91.1	32.72	91.1	33.61	90.8	34.5	90.8	35	90.8	35.4	90.4	36.33
	-5	-5.6	96	33.57	95.7	34.41	95.7	35.25	95.3	35.64	95.3	36.08	95	36.97
	-3	-3.7	100.6	34.3	100.6	31.14	100.3	35.93	100.3	36.33	100.3	36.72	96	35.2
	0	-0.7	108.6	35.4	108.6	36.19	108.2	36.92	106.5	36.33	103	34.8	96	31.94
	3	2.2	117.3	36.43	117	37.12	110	34.36	106.5	33.02	103	31.68	96	29.12
	5	4.1	123.2	37.12	117	34.85	110	32.28	106.5	31.09	103	29.85	96	27.43
	7	6	124	35.2	117	32.78	110	30.4	106.5	29.26	103	28.13	96	25.86
90%	9	7.9	124	33.07	117	30.84	110	28.62	106.5	27.19	103	26.5	96	24.41
	11	9.8	124	31.14	117	29.06	110	26.99	106.5	26	103	25.01	96	23.04
	13	11.8	124	29.26	117	27.34	110	25.4	106.5	24.47	103	23.58	96	21.75
	15	13.7	124	27.58	117	25.8	110	24.03	106.5	23.13	103	22.25	96	20.62
	-19.8	-20	69.7	29.71	69.3	30.69	69.3	31.79	69	32.28	69	32.82	69	33.86
	-18.8	-19	70.8	30	70.8	31.09	70.4	32.08	70.4	32.62	70.4	33.11	70.1	34.16
	-16.7	-17	73.5	30.75	73.2	31.74	73.2	32.72	73.2	33.22	72.8	33.71	72.8	34.7
	-13.7	-15	76.7	31.48	76.3	32.47	76.3	33.42	75.9	33.86	75.9	34.36	75.9	35.29
	-11.8	-13	79.8	32.28	79.8	33.17	79.5	34.06	79.5	34.55	79.5	35	79.2	35.89
	-9.8	-11	83.6	33.02	83.6	33.86	83.3	34.75	83.3	35.2	83.3	35.64	82.9	36.53
	-9.5	-10	85.8	33.42	85.4	34.26	85.4	35.09	85.1	35.54	85.1	35.99	85.1	36.77
	-8.5	-9.1	87.5	33.77	87.5	34.6	87.1	35.4	87.1	35.79	87.1	36.24	86.1	36.57
	-7	-7.6	90.6	34.3	90.6	35.09	90.2	35.93	90.2	36.33	90.2	36.72	86.1	34.94
	-5	-5.6	95.5	35.05	95.2	35.79	95.2	36.57	94.8	36.97	92.4	35.79	86.1	32.82
	-3	-3.7	100.1	35.74	100.1	36.43	99	36.57	95.5	35.14	92.4	33.71	86.1	30.95
80%	0	-0.7	108.4	36.77	105.3	35.84	99	33.22	95.5	31.88	92.4	30.64	86.1	28.13
	3	2.2	111.5	35	105.3	32.62	99	30.25	95.5	29.12	92.4	27.93	86.1	25.75
	5	4.1	111.5	32.92	105.3	30.69	99	28.52	95.5	27.38	92.4	26.39	86.1	24.27
	7	6	111.5	30.95	105.3	28.92	99	26.84	95.5	25.86	92.4	24.87	86.1	22.93
	9	7.9	111.5	29.17	105.3	27.19	99	25.31	95.5	24.41	92.4	23.48	86.1	21.7
	11	9.8	111.5	27.49	105.3	25.66	99	23.92	95.5	23.04	92.4	22.2	86.1	20.51
	13	11.8	111.5	25.86	105.3	24.23	99	22.54	95.5	21.75	92.4	20.95	86.1	19.38
	15	13.7	111.5	24.41	105.3	22.84	99	21.35	95.5	20.62	92.4	19.87	86.1	18.39
	-19.8	-20	69.5	31.74	69.1	32.67	69.1	33.61	69.1	34.06	68.8	34.55	68.8	35.44
	-18.8	-19	70.6	32.03	70.6	32.97	70.2	33.86	70.2	34.36	70.2	34.8	69.8	35.74
	-16.7	-17	73.3	32.67	73	33.57	73	34.45	73	34.9	73	35.34	72.6	36.19
	-13.7	-15	76.5	33.37	76.1	34.21	76.1	35.05	76.1	35.44	75.7	35.89	75.7	36.77
	-11.8	-13	79.6	34.01	79.6	34.85	79.2	35.64	79.2	36.04	79.2	36.48	76.8	35.49
	-9.8	-11	83.4	34.7	83.4	35.49	83.1	36.28	83.1	36.63	82.5	36.57	76.8	33.51
	-9.5	-10	85.6	35.05	85.2	35.79	85.2	36.57	85.2	36.97	82.5	35.49	76.8	32.52
	-8.5	-9.1	87.3	35.4	81.2	36.13	86.9	36.83	85.2	35.99	82.5	34.55	76.8	31.68

Note: TC: Total capacity, PI: Power input.

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# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	69	33.81	68.6	34.6	68.6	35.4	68.6	35.79	68.6	36.24	66.9	35.84
	-18.8	-19	70	34.06	70	34.85	69.7	35.64	69.7	36.04	69.7	36.48	66.9	35.09
	-16.7	-17	72.8	34.6	72.8	35.4	72.4	36.19	72.4	36.57	71.8	32.58	66.9	33.46
	-13.7	-15	75.9	35.2	75.6	35.99	75.6	36.72	74.2	36.19	71.8	34.7	66.9	31.83
	-11.8	-13	79	35.79	79	36.53	77	35.64	74.2	34.26	71.8	32.87	66.9	30.16
	-9.8	-11	82.9	36.39	81.9	36.39	77	33.66	74.2	32.38	71.8	31.09	66.9	28.52
	-9.5	-10	85	36.72	81.9	35.29	77	32.67	74.2	31.44	71.8	30.2	66.9	27.73
	-8.5	-9.1	86.7	36.92	81.9	34.36	77	31.83	74.2	30.6	71.8	29.41	66.9	27.03
	-7	-7.6	86.7	35.25	81.9	32.82	77	30.45	74.2	29.32	71.8	28.13	66.9	25.9
	-5	-5.6	86.7	33.11	81.9	30.89	77	28.67	74.2	27.53	71.8	32.58	66.9	24.41
	-3	-3.7	86.7	31.19	81.9	29.12	77	27.03	74.2	26	71.8	25.01	66.9	23.09
	0	-0.7	86.7	28.37	81.9	26.54	77	24.67	74.2	23.77	71.8	22.89	66.9	21.15
	3	2.2	86.7	25.95	81.9	24.27	77	22.64	74.2	21.8	71.8	21.01	66.9	19.43
	5	4.1	86.7	24.47	81.9	22.89	77	21.41	74.2	20.62	71.8	19.87	66.9	18.39
	7	6	86.7	23.13	81.9	21.65	77	20.22	74.2	19.52	71.8	18.83	66.9	17.45
	9	7.9	86.7	21.85	81.9	20.51	77	19.13	74.2	18.48	71.8	17.84	66.9	16.56
60%	11	9.8	86.7	20.66	81.9	19.38	77	18.15	74.2	17.55	71.8	16.96	66.9	15.72
	13	11.8	86.7	19.52	81.9	18.33	77	17.16	74.2	16.61	71.8	16.02	66.9	14.93
	15	13.7	86.7	18.53	81.9	17.4	77	16.31	74.2	15.77	71.8	15.22	66.9	14.23
	-19.8	-20	68.8	35.84	68.4	36.53	66	35.14	64	33.77	61.8	32.43	57.6	29.71
	-18.8	-19	69.8	36.08	69.8	36.77	66	34.41	64	33.02	61.8	31.68	57.6	29.12
	-16.7	-17	72.6	36.57	70.2	35.4	66	32.82	64	31.54	61.8	30.31	57.6	27.83
	-13.7	-15	74.4	36.19	70.2	33.61	66	31.19	64	30	61.8	28.82	57.6	26.5
	-11.8	-13	74.4	34.21	70.2	31.83	66	29.56	64	28.47	61.8	27.34	57.6	25.31
	-9.8	-11	74.4	32.33	70.2	30.11	66	27.98	64	26.94	61.8	25.9	57.6	23.88
	-9.5	-10	74.4	31.44	70.2	29.32	66	27.19	64	26.2	61.8	25.21	57.6	23.24
	-8.5	-9.1	74.4	30.6	70.2	28.52	66	26.54	64	25.55	61.8	24.56	57.6	22.64
	-7	-7.6	74.4	29.26	70.2	27.34	66	25.4	64	24.47	61.8	23.53	57.6	21.75
	-5	-5.6	74.4	27.53	70.2	25.75	66	23.97	64	23.09	61.8	22.25	57.6	20.56
	-3	-3.7	74.4	26	70.2	24.32	66	22.64	64	21.85	61.8	21.06	57.6	19.47
	0	-0.7	74.4	23.77	70.2	22.25	66	20.76	64	20.07	61.8	19.32	57.6	17.89
	3	2.2	74.4	21.8	70.2	20.46	66	19.13	64	18.44	61.8	17.8	57.6	16.51
50%	5	4.1	74.4	20.62	70.2	19.32	66	18.09	64	17.5	61.8	16.85	57.6	15.67
	7	6	74.4	19.52	70.2	18.33	66	17.16	64	16.56	61.8	16.02	57.6	14.87
	9	7.9	74.4	18.48	70.2	17.35	66	16.26	64	15.77	61.8	15.18	57.6	14.19
	11	9.8	74.4	17.55	70.2	16.51	66	15.47	64	14.98	61.8	14.43	57.6	13.5
	13	11.8	74.4	16.56	70.2	15.62	66	14.68	64	14.23	61.8	13.74	57.6	12.85
	15	13.7	74.4	15.77	70.2	14.83	66	13.99	64	13.55	61.8	13.1	57.6	12.25
	-19.8	-20	62	32.62	58.5	30.35	55	28.18	53	27.14	51.2	26.1	47.7	24.03
	-18.8	-19	62	31.88	58.5	29.71	55	27.63	53	26.59	51.2	25.55	47.7	23.58
	-16.7	-17	62	30.45	58.5	28.37	55	26.39	53	25.4	51.2	24.47	47.7	22.59
	-13.7	-15	62	28.97	58.5	27.03	55	25.16	53	24.23	51.2	23.33	47.7	21.55
	-11.8	-13	62	27.53	58.5	25.71	55	23.92	53	23.04	51.2	22.2	47.7	20.51
	-9.8	-11	62	26.05	58.5	24.37	55	22.69	53	21.85	51.2	21.06	47.7	19.52
	-9.5	-10	62	25.36	58.5	23.68	55	22.1	53	21.3	51.2	20.51	47.7	18.98
	-8.5	-9.1	62	24.72	58.5	23.13	55	21.55	53	20.81	51.2	20.07	47.7	18.53
	-7	-7.6	62	23.68	58.5	22.2	55	20.66	53	19.97	51.2	19.28	47.7	17.84
	-5	-5.6	62	22.34	58.5	20.95	55	19.58	53	18.93	51.2	18.24	47.7	16.9
	-3	-3.7	62	21.15	58.5	19.87	55	18.53	53	17.95	51.2	17.3	47.7	16.06
	0	-0.7	62	19.43	58.5	18.24	55	17.1	53	16.51	51.2	15.97	47.7	14.83
	3	2.2	62	17.89	58.5	16.81	55	15.77	53	15.22	51.2	14.73	47.7	13.74
	5	4.1	62	16.96	58.5	15.97	55	14.98	53	14.48	51.2	14.04	47.7	13.05
	7	6	62	16.12	58.5	15.18	55	14.23	53	13.79	51.2	13.35	47.7	12.45
	9	7.9	62	15.27	58.5	14.43	55	13.55	53	13.15	51.2	12.71	47.7	11.87
	11	9.8	62	14.54	58.5	13.7	55	12.9	53	12.51	51.2	12.11	47.7	11.32
	13	11.8	62	13.84	58.5	13.05	55	12.25	53	11.92	51.2	11.52	47.7	10.82
	15	13.7	62	13.15	58.5	12.45	55	11.72	53	11.37	51.2	11.02	47.7	10.33

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	49.5	24.8	46.8	23.07	44	21.41	42.3	20.62	40.9	19.83	38.1	18.26
	-18.8	-19	49.5	24.23	46.8	22.58	44	21	42.3	20.21	40.9	19.43	38.1	17.92
	-16.7	-17	49.5	23.15	46.8	21.56	44	20.06	42.3	19.31	40.9	18.59	38.1	17.16
	-13.7	-15	49.5	22.01	46.8	20.55	44	19.12	42.3	18.41	40.9	17.73	38.1	16.38
	-11.8	-13	49.5	20.93	46.8	19.54	44	18.18	42.3	17.51	40.9	16.87	38.1	15.59
	-9.8	-11	49.5	19.8	46.8	18.52	44	17.25	42.3	16.61	40.9	16	38.1	14.84
	-9.5	-10	49.5	19.27	46.8	18	44	16.79	42.3	16.19	40.9	15.59	38.1	14.43
	-8.5	-9.1	49.5	18.79	46.8	17.58	44	16.38	42.3	15.82	40.9	15.25	38.1	14.09
	-7	-7.6	49.5	18	46.8	16.87	44	15.7	42.3	15.18	40.9	14.65	38.1	13.57
	-5	-5.6	49.5	16.98	46.8	15.93	44	14.87	42.3	14.39	40.9	13.86	38.1	12.85
	-3	-3.7	49.5	16.08	46.8	15.11	44	14.09	42.3	13.64	40.9	13.15	38.1	12.21
	0	-0.7	49.5	14.76	46.8	13.86	44	13	42.3	12.55	40.9	12.14	38.1	11.27
	3	2.2	49.5	13.6	46.8	12.77	44	11.98	42.3	11.57	40.9	11.19	38.1	10.44
	5	4.1	49.5	12.89	46.8	12.14	44	11.39	42.3	11.01	40.9	10.67	38.1	9.92
	7	6	49.5	12.25	46.8	11.54	44	10.82	42.3	10.48	40.9	10.14	38.1	9.47
30%	9	7.9	49.5	11.61	46.8	10.97	44	10.29	42.3	10	40.9	9.65	38.1	9.01
	11	9.8	49.5	11.04	46.8	10.4	44	9.8	42.3	9.5	40.9	9.21	38.1	8.61
	13	11.8	49.5	10.52	46.8	9.92	44	9.32	42.3	9.05	40.9	8.75	38.1	8.22
	15	13.7	49.5	10	46.8	9.47	44	8.9	42.3	8.64	40.9	8.37	38.1	7.85
	-19.8	-20	37.2	18.2	35	16.94	33	12.58	31.7	15.14	30.7	14.56	28.6	13.41
	-18.8	-19	37.2	17.79	35	16.58	33	12.34	31.7	14.84	30.7	14.26	28.6	13.15
	-16.7	-17	37.2	16.99	35	15.84	33	11.78	31.7	14.18	30.7	13.66	28.6	12.6
	-13.7	-15	37.2	16.17	35	15.09	33	11.23	31.7	13.52	30.7	13.02	28.6	12.03
	-11.8	-13	37.2	15.36	35	14.34	33	10.68	31.7	12.85	30.7	12.38	28.6	11.45
	-9.8	-11	37.2	14.54	35	13.6	33	10.13	31.7	12.19	30.7	11.75	28.6	10.9
	-9.5	-10	37.2	14.15	35	13.21	33	9.87	31.7	11.89	30.7	11.45	28.6	10.59
	-8.5	-9.1	37.2	13.79	35	12.91	33	9.62	31.7	11.61	30.7	11.19	28.6	10.35
	-7	-7.6	37.2	13.21	35	12.38	33	9.23	31.7	11.14	30.7	10.75	28.6	9.96
	-5	-5.6	37.2	12.47	35	11.7	33	8.74	31.7	10.57	30.7	10.18	28.6	9.43
	-3	-3.7	37.2	11.81	35	11.08	33	8.28	31.7	10.02	30.7	9.65	28.6	8.96
	0	-0.7	37.2	10.84	35	10.18	33	7.64	31.7	9.21	30.7	8.9	28.6	8.28
20%	3	2.2	37.2	9.98	35	9.38	33	7.04	31.7	8.5	30.7	8.22	28.6	7.67
	5	4.1	37.2	9.46	35	8.9	33	6.69	31.7	8.08	30.7	7.84	28.6	7.29
	7	6	37.2	8.99	35	8.46	33	6.35	31.7	7.69	30.7	7.45	28.6	6.96
	9	7.9	37.2	8.52	35	8.06	33	6.04	31.7	7.34	30.7	7.09	28.6	6.62
	11	9.8	37.2	8.11	35	7.64	33	5.75	31.7	6.98	30.7	6.76	28.6	6.32
	13	11.8	37.2	7.73	35	7.29	33	5.47	31.7	6.65	30.7	6.43	28.6	6.04
	15	13.7	37.2	7.34	35	6.96	33	5.23	31.7	6.34	30.7	6.15	28.6	5.77
	-19.8	-20	24.8	11.74	23.4	10.93	22	10.14	21.1	9.76	20.5	9.4	19.1	8.65
	-18.8	-19	24.8	11.48	23.4	10.69	22	9.95	21.1	9.58	20.5	9.2	19.1	8.49
	-16.7	-17	24.8	10.97	23.4	10.22	22	9.5	21.1	9.14	20.5	8.81	19.1	8.13
	-13.7	-15	24.8	10.42	23.4	9.74	22	9.06	21.1	8.72	20.5	8.4	19.1	7.76
	-11.8	-13	24.8	9.91	23.4	9.25	22	8.61	21.1	8.29	20.5	7.99	19.1	7.38
	-9.8	-11	24.8	9.38	23.4	8.77	22	8.17	21.1	7.86	20.5	7.58	19.1	7.03
	-9.5	-10	24.8	9.12	23.4	8.52	22	7.95	21.1	7.67	20.5	7.38	19.1	6.83
	-8.5	-9.1	24.8	8.9	23.4	8.33	22	7.76	21.1	7.49	20.5	7.23	19.1	6.67
	-7	-7.6	24.8	8.52	23.4	7.99	22	7.44	21.1	7.19	20.5	6.94	19.1	6.43
	-5	-5.6	24.8	8.04	23.4	7.55	22	7.05	21.1	6.81	20.5	6.57	19.1	6.08
	-3	-3.7	24.8	7.62	23.4	7.16	22	6.67	21.1	6.46	20.5	6.23	19.1	5.79
	0	-0.7	24.8	6.99	23.4	6.57	22	6.16	21.1	5.95	20.5	5.75	19.1	5.34
	3	2.2	24.8	6.44	23.4	6.05	22	5.68	21.1	5.48	20.5	5.31	19.1	4.95
	5	4.1	24.8	6.1	23.4	5.75	22	5.39	21.1	5.22	20.5	5.05	19.1	4.7
	7	6	24.8	5.8	23.4	5.46	22	5.13	21.1	4.96	20.5	4.8	19.1	4.49
	9	7.9	24.8	5.5	23.4	5.2	22	4.87	21.1	4.73	20.5	4.58	19.1	4.27
	11	9.8	24.8	5.23	23.4	4.93	22	4.65	21.1	4.5	20.5	4.36	19.1	4.08
	13	11.8	24.8	4.98	23.4	4.7	22	4.41	21.1	4.29	20.5	4.14	19.1	3.9
	15	13.7	24.8	4.73	23.4	4.49	22	4.21	21.1	4.09	20.5	11.02	19.1	3.72

Note: TC: Total capacity, PI: Power input.

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Electrical Wiring Diagram

External Wiring Connection

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**■ TMR380ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	71.2	22.16	70.9	23.74	70.6	25.33	70.6	26.09	70.2	26.86	70.2	28.44
	-18.8	-19	72.3	22.66	71.9	24.20	71.9	25.78	71.5	26.56	71.5	27.26	71.2	28.85
	-16.7	-17	75.1	23.74	74.8	25.21	74.4	26.71	74.4	27.41	74.4	28.19	74	29.66
	-13.7	-15	78.3	24.82	77.9	26.24	77.5	27.67	77.5	28.39	77.2	29.11	77.2	30.53
	-11.8	-13	81.4	25.94	81.4	27.31	81	28.64	80.7	29.35	80.7	30.08	80.3	31.40
	-9.8	-11	85.2	27.06	84.9	28.39	84.5	29.66	84.5	30.33	84.5	30.99	84.2	32.32
	-9.5	-10	87.3	27.67	86.9	28.90	86.6	30.17	86.6	30.83	86.2	31.45	86.2	32.72
	-8.5	-9.1	89.1	28.13	88.7	29.35	88.7	30.64	88.4	31.25	88.4	31.85	88	33.14
	-7	-7.6	92.2	28.94	92.2	30.17	91.8	31.35	91.8	31.97	91.5	32.52	91.1	33.74
	-5	-5.6	97.1	30.08	96.8	31.19	96.4	32.32	96.4	32.93	96	33.45	96	34.56
	-3	-3.7	101.6	31.04	101.2	32.11	101.2	33.19	100.9	33.74	100.9	34.31	100.5	35.34
	0	-0.7	109.6	32.52	109.6	33.54	109.3	34.52	109.3	34.92	108.9	35.54	108.9	36.56
	3	2.2	118.4	33.90	118	34.82	117.7	35.74	117.7	36.20	117.7	36.71	117.3	37.59
	5	4.1	124.3	34.72	124	35.63	124	36.50	123.6	36.97	123.6	37.38	123.2	38.25
	7	6	130.6	35.58	130.2	36.36	130.2	37.23	129.8	37.63	129.8	38.04	124.7	36.56
	9	7.9	137.2	36.30	136.9	37.11	136.9	37.89	136.6	38.29	133.8	37.47	124.7	34.31
	11	9.8	144.3	37.02	143.9	37.77	143.2	38.25	138.3	36.76	133.8	35.22	124.7	32.32
	13	11.8	151.8	37.73	151.6	38.44	143.2	35.84	138.3	34.41	133.8	33.08	124.7	30.33
	15	13.7	159.2	38.39	152.2	36.41	143.2	33.74	138.3	32.47	133.8	31.15	124.7	28.64
120%	-19.8	-20	70.9	24.30	70.6	25.73	70.2	27.22	70.2	27.88	70.2	28.64	69.8	30.08
	-18.8	-19	71.9	24.76	71.5	26.19	71.5	27.62	71.3	28.28	71.3	29.06	70.9	30.48
	-16.7	-17	74.8	25.73	74.4	27.11	73.9	28.44	74	29.15	74	29.87	73.7	31.19
	-13.7	-15	77.9	26.75	77.5	28.08	77.2	29.35	77.2	30.08	77.2	30.69	76.8	32.01
	-11.8	-13	81	27.77	81	29.06	80.7	30.28	80.7	30.95	80.3	31.55	80.3	32.84
	-9.8	-11	84.9	28.85	84.5	30.02	84.5	31.25	84.2	31.85	84.2	32.42	83.8	33.65
	-9.5	-10	86.9	29.35	86.6	30.53	86.2	31.70	86.2	32.32	86.2	32.88	86	34.05
	-8.5	-9.1	88.7	29.81	88.4	30.95	88.4	32.11	88	32.67	88	33.29	87.6	34.41
	-7	-7.6	91.8	30.58	91.8	31.70	91.5	32.78	91.5	33.34	91.1	33.90	91.1	34.97
	-5	-5.6	96.8	31.55	96.4	32.63	96	33.69	96	34.20	96	34.77	95.7	35.74
	-3	-3.7	101.2	32.52	101.2	33.54	100.9	34.52	100.9	34.97	100.6	35.54	100.6	36.50
	0	-0.7	109.3	33.90	109.3	34.82	108.9	35.74	108.9	36.20	108.6	36.66	108.6	37.59
	3	2.2	118	35.18	117.7	36.00	117.7	36.86	117.3	37.32	117.3	37.73	114.9	37.53
	5	4.1	124	35.94	123.6	36.76	123.6	37.59	123.2	37.98	123.2	38.39	114.9	35.22
	7	6	130.2	36.66	130.2	37.43	130	38.19	127.8	37.68	123.6	36.15	114.9	33.14
	9	7.9	136.9	37.38	136.6	38.13	132	36.86	127.8	35.39	123.6	33.95	114.9	31.19
	11	9.8	143.9	38.04	140.4	37.38	132	34.67	127.8	33.34	123.6	31.97	114.9	29.41
	13	11.8	149.1	37.68	140.4	35.08	132	32.52	127.8	31.31	123.6	30.08	114.9	27.67
	15	13.7	149.1	35.49	140.4	33.03	132	30.69	127.8	29.46	123.6	28.33	114.9	26.09
110%	-19.8	-20	70.6	26.44	70.2	27.72	69.8	29.06	69.8	29.72	69.9	30.38	69.5	31.70
	-18.8	-19	71.5	26.86	71.3	28.13	71.3	29.46	71.3	30.08	70.9	30.74	70.9	32.06
	-16.7	-17	74.4	27.72	74	29.00	75.1	30.28	73.7	30.89	73.7	31.49	73.3	32.72
	-13.7	-15	77.5	28.69	77.2	29.87	76.8	31.10	76.8	31.70	76.8	32.32	76.5	33.50
	-11.8	-13	80.7	29.66	80.7	30.79	80.3	31.91	80.3	32.52	80	33.08	80	34.26
	-9.8	-11	84.5	30.58	84.2	31.70	84.2	32.78	83.8	33.34	83.8	33.90	83.8	34.97
	-9.5	-10	86.6	31.10	86.2	32.11	85.8	33.24	85.8	33.74	85.8	34.31	85.6	35.39
	-8.5	-9.1	88.4	31.49	88	32.52	88	33.59	87.6	34.16	87.6	34.67	87.6	36.11
	-7	-7.6	91.5	32.22	91.5	33.19	91.1	34.20	91.1	34.72	91.1	35.22	90.8	36.24
	-5	-5.6	96.4	33.14	96	34.11	95.7	35.03	95.7	35.54	95.7	36.00	95.3	37.02
	-3	-3.7	100.9	33.95	100.9	34.88	100.6	35.79	100.6	36.24	100.3	36.71	100.3	37.63
	0	-0.7	108.9	35.22	108.9	36.09	108.6	36.97	108.6	37.38	108.6	37.77	105.4	37.07
	3	2.2	117.7	36.41	117.3	37.17	117.3	37.98	117	38.34	113.1	36.76	105.4	33.74
	5	4.1	123.6	37.11	123.6	37.89	121.2	37.53	117	36.00	113.1	34.56	105.4	31.70
	7	6	129.8	37.77	128.9	38.04	121.2	35.22	117	33.86	113.1	32.52	105.4	29.87
	9	7.9	136.6	38.39	128.9	35.74	121.2	33.14	117	31.85	113.1	30.58	105.4	28.13
	11	9.8	136.6	36.15	128.9	33.65	121.2	31.19	117	30.02	113.1	28.85	105.4	26.56
	13	11.8	136.6	33.90	128.9	31.55	121.2	29.30	117	28.24	113.1	27.11	105.4	25.03
	15	13.7	136.6	30.08	128.9	29.77	121.2	27.67	117	26.65	113.1	25.63	105.4	23.64

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	70.2	28.54	69.8	29.72	69.8	30.95	69.5	31.55	69.5	32.11	69.1	33.34
	-18.8	-19	71.3	28.90	71.3	30.08	70.9	31.31	70.9	31.91	70.6	32.52	70.6	33.69
	-16.7	-17	74	29.72	73.7	30.89	73.7	32.01	73.3	32.58	73.3	33.14	73.3	34.31
	-13.7	-15	77.2	30.58	76.8	31.70	76.5	32.78	76.5	33.34	76.5	33.90	76.1	34.97
	-11.8	-13	80.3	31.49	80.3	32.52	80	33.54	80	34.11	80	34.61	79.6	35.69
	-9.8	-11	84.2	32.32	83.8	33.34	83.8	34.36	83.8	34.88	83.4	35.34	83.4	36.36
	-9.5	-10	86.2	32.78	86	33.74	86	34.72	85.6	35.22	85.6	35.74	85.2	36.71
	-8.5	-9.1	88	33.14	87.6	34.16	87.6	35.08	87.6	35.54	87.3	36.05	87.3	36.97
	-7	-7.6	91.1	33.80	91.1	34.72	90.8	35.63	90.8	36.15	90.8	36.56	90.4	37.53
	-5	-5.6	96	34.67	95.7	35.54	95.7	36.41	95.3	36.81	95.3	37.27	95	38.19
	-3	-3.7	100.6	35.43	100.6	32.16	100.3	37.11	100.3	37.53	100.3	37.93	96	36.36
	0	-0.7	108.6	36.56	108.6	37.38	108.2	38.13	106.5	37.53	103	35.94	96	32.99
	3	2.2	117.3	37.63	117	38.34	110	35.49	106.5	34.11	103	32.72	96	30.08
	5	4.1	123.2	38.34	117	36.00	110	33.34	106.5	32.11	103	30.83	96	28.33
	7	6	124	36.36	117	33.86	110	31.40	106.5	30.22	103	29.06	96	26.71
90%	9	7.9	124	34.16	117	31.85	110	29.56	106.5	28.08	103	27.37	96	25.21
	11	9.8	124	32.16	117	30.02	110	27.88	106.5	26.86	103	25.83	96	23.80
	13	11.8	124	30.22	117	28.24	110	26.24	106.5	25.27	103	24.36	96	22.47
	15	13.7	124	28.49	117	26.65	110	24.82	106.5	23.89	103	22.98	96	21.30
	-19.8	-20	69.7	30.69	69.3	31.70	69.3	32.84	69	33.34	69	33.90	69	34.97
	-18.8	-19	70.8	30.99	70.8	32.11	70.4	33.14	70.4	33.69	70.4	34.20	70.1	35.28
	-16.7	-17	73.5	31.76	73.2	32.78	73.2	33.80	73.2	34.31	72.8	34.82	72.8	35.84
	-13.7	-15	76.7	32.52	76.3	33.54	76.3	34.52	75.9	34.97	75.9	35.49	75.9	36.45
	-11.8	-13	79.8	33.34	79.8	34.26	79.5	35.18	79.5	35.69	79.5	36.15	79.2	37.07
	-9.8	-11	83.6	34.11	83.6	34.97	83.3	35.89	83.3	36.36	83.3	36.81	82.9	37.73
	-9.5	-10	85.8	34.52	85.4	35.39	85.4	36.24	85.1	36.71	85.1	37.17	85.1	37.98
	-8.5	-9.1	87.5	34.88	87.5	35.74	87.1	36.56	87.1	36.97	87.1	37.43	86.1	37.77
	-7	-7.6	90.6	35.43	90.6	36.24	90.2	37.11	90.2	37.53	90.2	37.93	86.1	36.09
	-5	-5.6	95.5	36.20	95.2	36.97	95.2	37.77	94.8	38.19	92.4	36.97	86.1	33.90
	-3	-3.7	100.1	36.92	100.1	37.63	99	37.77	95.5	36.30	92.4	34.82	86.1	31.97
80%	0	-0.7	108.4	37.98	105.3	37.02	99	34.31	95.5	32.93	92.4	31.65	86.1	29.06
	3	2.2	111.5	36.15	105.3	33.69	99	31.25	95.5	30.08	92.4	28.85	86.1	26.60
	5	4.1	111.5	34.00	105.3	31.70	99	29.46	95.5	28.28	92.4	27.26	86.1	25.07
	7	6	111.5	31.97	105.3	29.87	99	27.72	95.5	26.71	92.4	25.69	86.1	23.68
	9	7.9	111.5	30.13	105.3	28.08	99	26.14	95.5	25.21	92.4	24.25	86.1	22.41
	11	9.8	111.5	28.39	105.3	26.50	99	24.71	95.5	23.80	92.4	22.93	86.1	21.18
	13	11.8	111.5	26.71	105.3	25.03	99	23.28	95.5	22.47	92.4	21.64	86.1	20.02
	15	13.7	111.5	25.21	105.3	23.59	99	22.05	95.5	21.30	92.4	20.52	86.1	18.99
	-19.8	-20	69.5	32.78	69.1	33.74	69.1	34.72	69.1	35.18	68.8	35.69	68.8	36.61
	-18.8	-19	70.6	33.08	70.6	34.05	70.2	34.97	70.2	35.49	70.2	35.94	69.8	36.92
	-16.7	-17	73.3	33.74	73	34.67	73	35.58	73	36.05	73	36.50	72.6	37.38
	-13.7	-15	76.5	34.47	76.1	35.34	76.1	36.20	76.1	36.61	75.7	37.07	75.7	37.98
	-11.8	-13	79.6	35.13	79.6	36.00	79.2	36.81	79.2	37.23	79.2	37.68	76.8	36.66
	-9.8	-11	83.4	35.84	83.4	36.66	83.1	37.47	83.1	37.83	82.5	37.77	76.8	34.61
	-9.5	-10	85.6	36.20	85.2	36.97	85.2	37.77	85.2	38.19	82.5	36.66	76.8	33.59
	-8.5	-9.1	87.3	36.56	81.2	37.32	86.9	38.04	85.2	37.17	82.5	35.69	76.8	32.72

Note: TC: Total capacity, PI: Power input.

Outdoor unit

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System Diagram

Electrical Wiring Diagram

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## Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	69	34.92	68.6	35.74	68.6	36.56	68.6	36.97	68.6	37.43	66.9	37.02
	-18.8	-19	70	35.18	70	36.00	69.7	36.81	69.7	37.23	69.7	37.68	66.9	36.24
	-16.7	-17	72.8	35.74	72.8	36.56	72.4	37.38	72.4	37.77	71.8	33.65	66.9	34.56
	-13.7	-15	75.9	36.36	75.6	37.17	75.6	37.93	74.2	37.38	71.8	35.84	66.9	32.88
	-11.8	-13	79	36.97	79	37.73	77	36.81	74.2	35.39	71.8	33.95	66.9	31.15
	-9.8	-11	82.9	37.59	81.9	37.59	77	34.77	74.2	33.45	71.8	32.11	66.9	29.46
	-9.5	-10	85	37.93	81.9	36.45	77	33.74	74.2	32.47	71.8	31.19	66.9	28.64
	-8.5	-9.1	86.7	38.13	81.9	35.49	77	32.88	74.2	31.61	71.8	30.38	66.9	27.92
	-7	-7.6	86.7	36.41	81.9	33.90	77	31.45	74.2	30.28	71.8	29.06	66.9	26.75
	-5	-5.6	86.7	34.20	81.9	31.91	77	29.61	74.2	28.44	71.8	33.65	66.9	25.21
	-3	-3.7	86.7	32.22	81.9	30.08	77	27.92	74.2	26.86	71.8	25.83	66.9	23.85
	0	-0.7	86.7	29.30	81.9	27.41	77	25.48	74.2	24.55	71.8	23.64	66.9	21.85
	3	2.2	86.7	26.80	81.9	25.07	77	23.38	74.2	22.52	71.8	21.70	66.9	20.07
	5	4.1	86.7	25.27	81.9	23.64	77	22.11	74.2	21.30	71.8	20.52	66.9	18.99
	7	6	86.7	23.89	81.9	22.36	77	20.89	74.2	20.16	71.8	19.45	66.9	18.02
	9	7.9	86.7	22.57	81.9	21.18	77	19.76	74.2	19.09	71.8	18.43	66.9	17.10
60%	11	9.8	86.7	21.34	81.9	20.02	77	18.75	74.2	18.13	71.8	17.52	66.9	16.24
	13	11.8	86.7	20.16	81.9	18.93	77	17.72	74.2	17.16	71.8	16.55	66.9	15.42
	15	13.7	86.7	19.14	81.9	17.97	77	16.85	74.2	16.29	71.8	15.72	66.9	14.70
	-19.8	-20	68.8	37.02	68.4	37.73	66	36.30	64	34.88	61.8	33.50	57.6	30.69
	-18.8	-19	69.8	37.27	69.8	37.98	66	35.54	64	34.11	61.8	32.72	57.6	30.08
	-16.7	-17	72.6	37.77	70.2	36.56	66	33.90	64	32.58	61.8	31.31	57.6	28.75
	-13.7	-15	74.4	37.38	70.2	34.72	66	32.22	64	30.99	61.8	29.77	57.6	27.37
	-11.8	-13	74.4	35.34	70.2	32.88	66	30.53	64	29.41	61.8	28.24	57.6	26.14
	-9.8	-11	74.4	33.39	70.2	31.10	66	28.90	64	27.83	61.8	26.75	57.6	24.67
	-9.5	-10	74.4	32.47	70.2	30.28	66	28.08	64	27.06	61.8	26.04	57.6	24.00
	-8.5	-9.1	74.4	31.61	70.2	29.46	66	27.41	64	26.39	61.8	25.37	57.6	23.38
	-7	-7.6	74.4	30.22	70.2	28.24	66	26.24	64	25.27	61.8	24.30	57.6	22.47
	-5	-5.6	74.4	28.44	70.2	26.60	66	24.76	64	23.85	61.8	22.98	57.6	21.24
	-3	-3.7	74.4	26.86	70.2	25.12	66	23.38	64	22.57	61.8	21.75	57.6	20.11
	0	-0.7	74.4	24.55	70.2	22.98	66	21.44	64	20.73	61.8	19.96	57.6	18.48
	3	2.2	74.4	22.52	70.2	21.13	66	19.76	64	19.05	61.8	18.39	57.6	17.05
50%	5	4.1	74.4	21.30	70.2	19.96	66	18.69	64	18.08	61.8	17.40	57.6	16.19
	7	6	74.4	20.16	70.2	18.93	66	17.72	64	17.10	61.8	16.55	57.6	15.36
	9	7.9	74.4	19.09	70.2	17.92	66	16.79	64	16.29	61.8	15.68	57.6	14.66
	11	9.8	74.4	18.13	70.2	17.05	66	15.98	64	15.47	61.8	14.90	57.6	13.94
	13	11.8	74.4	17.10	70.2	16.13	66	15.16	64	14.70	61.8	14.19	57.6	13.27
	15	13.7	74.4	16.29	70.2	15.32	66	14.45	64	14.00	61.8	13.53	57.6	12.65
	-19.8	-20	62	33.69	58.5	31.35	55	29.11	53	28.03	51.2	26.96	47.7	24.82
	-18.8	-19	62	32.93	58.5	30.69	55	28.54	53	27.46	51.2	26.39	47.7	24.36
	-16.7	-17	62	31.45	58.5	29.30	55	27.26	53	26.24	51.2	25.27	47.7	23.33
	-13.7	-15	62	29.92	58.5	27.92	55	25.99	53	25.03	51.2	24.10	47.7	22.26
	-11.8	-13	62	28.44	58.5	26.56	55	24.71	53	23.80	51.2	22.93	47.7	21.18
	-9.8	-11	62	26.91	58.5	25.17	55	23.44	53	22.57	51.2	21.75	47.7	20.16
	-9.5	-10	62	26.19	58.5	24.46	55	22.83	53	22.00	51.2	21.18	47.7	19.60
	-8.5	-9.1	62	25.53	58.5	23.89	55	22.26	53	21.49	51.2	20.73	47.7	19.14
	-7	-7.6	62	24.46	58.5	22.93	55	21.34	53	20.63	51.2	19.91	47.7	18.43
	-5	-5.6	62	23.07	58.5	21.64	55	20.22	53	19.55	51.2	18.84	47.7	17.46
	-3	-3.7	62	21.85	58.5	20.52	55	19.14	53	18.54	51.2	17.87	47.7	16.59
	0	-0.7	62	20.07	58.5	18.84	55	17.66	53	17.05	51.2	16.50	47.7	15.32
	3	2.2	62	18.48	58.5	17.36	55	16.29	53	15.72	51.2	15.21	47.7	14.19
	5	4.1	62	17.52	58.5	16.50	55	15.47	53	14.96	51.2	14.50	47.7	13.48
	7	6	62	16.65	58.5	15.68	55	14.70	53	14.24	51.2	13.79	47.7	12.86
	9	7.9	62	15.77	58.5	14.90	55	14.00	53	13.58	51.2	13.13	47.7	12.26
	11	9.8	62	15.02	58.5	14.15	55	13.32	53	12.92	51.2	12.51	47.7	11.69
	13	11.8	62	14.30	58.5	13.48	55	12.65	53	12.31	51.2	11.90	47.7	11.18
	15	13.7	62	13.58	58.5	12.86	55	12.11	53	11.74	51.2	11.38	47.7	10.67

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	49.5	25.62	46.8	23.83	44	22.11	42.3	21.30	40.9	20.48	38.1	18.86
	-18.8	-19	49.5	25.03	46.8	23.32	44	21.69	42.3	20.88	40.9	20.07	38.1	18.51
	-16.7	-17	49.5	23.91	46.8	22.27	44	20.72	42.3	19.94	40.9	19.20	38.1	17.72
	-13.7	-15	49.5	22.73	46.8	21.23	44	19.75	42.3	19.02	40.9	18.31	38.1	16.92
	-11.8	-13	49.5	21.62	46.8	20.18	44	18.78	42.3	18.09	40.9	17.42	38.1	16.10
	-9.8	-11	49.5	20.45	46.8	19.13	44	17.82	42.3	17.16	40.9	16.53	38.1	15.33
	-9.5	-10	49.5	19.90	46.8	18.59	44	17.34	42.3	16.72	40.9	16.10	38.1	14.90
	-8.5	-9.1	49.5	19.41	46.8	18.16	44	16.92	42.3	16.34	40.9	15.75	38.1	14.55
	-7	-7.6	49.5	18.59	46.8	17.42	44	16.22	42.3	15.68	40.9	15.13	38.1	14.02
	-5	-5.6	49.5	17.54	46.8	16.45	44	15.36	42.3	14.86	40.9	14.32	38.1	13.27
	-3	-3.7	49.5	16.61	46.8	15.61	44	14.55	42.3	14.09	40.9	13.58	38.1	12.61
	0	-0.7	49.5	15.25	46.8	14.32	44	13.43	42.3	12.96	40.9	12.54	38.1	11.64
	3	2.2	49.5	14.05	46.8	13.19	44	12.37	42.3	11.95	40.9	11.56	38.1	10.78
	5	4.1	49.5	13.31	46.8	12.54	44	11.76	42.3	11.37	40.9	11.02	38.1	10.25
	7	6	49.5	12.65	46.8	11.92	44	11.18	42.3	10.82	40.9	10.47	38.1	9.78
30%	9	7.9	49.5	11.99	46.8	11.33	44	10.63	42.3	10.33	40.9	9.97	38.1	9.31
	11	9.8	49.5	11.40	46.8	10.74	44	10.12	42.3	9.81	40.9	9.51	38.1	8.89
	13	11.8	49.5	10.87	46.8	10.25	44	9.63	42.3	9.35	40.9	9.04	38.1	8.49
	15	13.7	49.5	10.33	46.8	9.78	44	9.19	42.3	8.92	40.9	8.65	38.1	8.11
	-19.8	-20	37.2	18.80	35	17.50	33	12.99	31.7	15.64	30.7	15.04	28.6	13.85
	-18.8	-19	37.2	18.37	35	17.13	33	12.75	31.7	15.33	30.7	14.73	28.6	13.58
	-16.7	-17	37.2	17.55	35	16.36	33	12.17	31.7	14.65	30.7	14.11	28.6	13.01
	-13.7	-15	37.2	16.70	35	15.59	33	11.60	31.7	13.96	30.7	13.45	28.6	12.43
	-11.8	-13	37.2	15.87	35	14.81	33	11.03	31.7	13.27	30.7	12.79	28.6	11.83
	-9.8	-11	37.2	15.02	35	14.05	33	10.46	31.7	12.59	30.7	12.14	28.6	11.26
	-9.5	-10	37.2	14.62	35	13.64	33	10.19	31.7	12.28	30.7	11.83	28.6	10.94
	-8.5	-9.1	37.2	14.24	35	13.33	33	9.94	31.7	11.99	30.7	11.56	28.6	10.69
	-7	-7.6	37.2	13.64	35	12.79	33	9.53	31.7	11.51	30.7	11.10	28.6	10.29
	-5	-5.6	37.2	12.88	35	12.08	33	9.03	31.7	10.92	30.7	10.51	28.6	9.74
	-3	-3.7	37.2	12.20	35	11.44	33	8.55	31.7	10.35	30.7	9.97	28.6	9.25
	0	-0.7	37.2	11.20	35	10.51	33	7.89	31.7	9.51	30.7	9.19	28.6	8.55
20%	3	2.2	37.2	10.31	35	9.69	33	7.27	31.7	8.78	30.7	8.49	28.6	7.92
	5	4.1	37.2	9.77	35	9.19	33	6.91	31.7	8.35	30.7	8.10	28.6	7.53
	7	6	37.2	9.29	35	8.74	33	6.56	31.7	7.94	30.7	7.70	28.6	7.19
	9	7.9	37.2	8.80	35	8.33	33	6.24	31.7	7.58	30.7	7.32	28.6	6.84
	11	9.8	37.2	8.38	35	7.89	33	5.94	31.7	7.21	30.7	6.98	28.6	6.53
	13	11.8	37.2	7.98	35	7.53	33	5.65	31.7	6.87	30.7	6.64	28.6	6.24
	15	13.7	37.2	7.58	35	7.19	33	5.40	31.7	6.55	30.7	6.35	28.6	5.96
	-19.8	-20	24.8	12.13	23.4	11.29	22	10.47	21.1	10.08	20.5	9.71	19.1	8.93
	-18.8	-19	24.8	11.86	23.4	11.04	22	10.28	21.1	9.90	20.5	9.50	19.1	8.77
	-16.7	-17	24.8	11.33	23.4	10.56	22	9.81	21.1	9.44	20.5	9.10	19.1	8.40
	-13.7	-15	24.8	10.76	23.4	10.06	22	9.36	21.1	9.01	20.5	8.68	19.1	8.02
	-11.8	-13	24.8	10.24	23.4	9.55	22	8.89	21.1	8.56	20.5	8.25	19.1	7.62
	-9.8	-11	24.8	9.69	23.4	9.06	22	8.44	21.1	8.12	20.5	7.83	19.1	7.26
	-9.5	-10	24.8	9.42	23.4	8.80	22	8.21	21.1	7.92	20.5	7.62	19.1	7.05
	-8.5	-9.1	24.8	9.19	23.4	8.60	22	8.02	21.1	7.74	20.5	7.47	19.1	6.89
	-7	-7.6	24.8	8.80	23.4	8.25	22	7.68	21.1	7.43	20.5	7.17	19.1	6.64
	-5	-5.6	24.8	8.30	23.4	7.80	22	7.28	21.1	7.03	20.5	6.79	19.1	6.28
	-3	-3.7	24.8	7.87	23.4	7.40	22	6.89	21.1	6.67	20.5	6.43	19.1	5.98
	0	-0.7	24.8	7.22	23.4	6.79	22	6.36	21.1	6.15	20.5	5.94	19.1	5.52
	3	2.2	24.8	6.65	23.4	6.25	22	5.87	21.1	5.66	20.5	5.48	19.1	5.11
	5	4.1	24.8	6.30	23.4	5.94	22	5.57	21.1	5.39	20.5	5.22	19.1	4.85
	7	6	24.8	5.99	23.4	5.64	22	5.30	21.1	5.12	20.5	4.96	19.1	4.64
	9	7.9	24.8	5.68	23.4	5.37	22	5.03	21.1	4.89	20.5	4.73	19.1	4.41
	11	9.8	24.8	5.40	23.4	5.09	22	4.80	21.1	4.65	20.5	4.50	19.1	4.21
	13	11.8	24.8	5.14	23.4	4.85	22	4.56	21.1	4.43	20.5	4.28	19.1	4.03
	15	13.7	24.8	4.89	23.4	4.64	22	4.35	21.1	4.22	20.5	4.13	19.1	3.84

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR400ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	77.6	23.42	77.4	25.1	77	26.78	77	27.58	76.6	28.4	76.6	30.06
	-18.8	-19	78.8	23.96	78.4	25.58	78.4	27.26	78	28.08	78	28.82	77.6	30.5
	-16.7	-17	82	25.1	81.6	26.66	81.2	28.24	81.2	28.98	81.2	29.8	80.8	31.36
	-13.7	-15	85.4	26.24	85	27.74	84.6	29.26	84.6	30.02	84.2	30.78	84.2	32.28
	-11.8	-13	88.8	27.42	88.8	28.88	88.4	30.28	88	31.04	88	31.8	87.6	33.2
	-9.8	-11	93	28.62	92.6	30.02	92.2	31.36	92.2	32.06	92.2	32.76	91.8	34.18
	-9.5	-10	95.2	29.26	94.8	30.56	94.4	31.9	94.4	32.6	94	33.26	94	34.6
	-8.5	-9.1	97.2	29.74	96.8	31.04	96.8	32.4	96.4	33.04	96.4	33.68	96	35.04
	-7	-7.6	100.6	30.6	100.6	31.9	100.2	33.14	100.2	33.8	99.8	34.38	99.4	35.68
	-5	-5.6	106	31.8	105.6	32.98	105.2	34.18	105.2	34.82	104.8	35.36	104.8	36.54
	-3	-3.7	110.8	32.82	110.4	33.96	110.4	35.08	110	35.68	110	36.28	109.6	37.36
	0	-0.7	119.6	34.38	119.6	35.46	119.2	36.5	119.2	36.92	118.8	37.58	118.8	38.66
	3	2.2	129.2	35.84	128.8	36.82	128.4	37.78	128.4	38.28	128.4	38.82	128	39.74
	5	4.1	135.6	36.7	135.2	37.68	135.2	38.6	134.8	39.08	134.8	39.52	134.4	40.44
	7	6	142.4	37.62	142	38.44	142	39.36	141.6	39.78	141.6	40.22	136	38.66
	9	7.9	149.6	38.38	149.4	39.24	149.4	40.06	149	40.48	146	39.62	136	36.28
120%	11	9.8	157.4	39.14	157	39.94	156.2	40.44	150.8	38.86	146	37.24	136	34.18
	13	11.8	165.6	39.9	165.4	40.64	156.2	37.9	150.8	36.38	146	34.98	136	32.06
	15	13.7	173.6	40.6	166	38.5	156.2	35.68	150.8	34.34	146	32.94	136	30.28
	-19.8	-20	77.4	25.7	77	27.2	76.6	28.78	76.6	29.48	76.6	30.28	76.2	31.8
	-18.8	-19	78.4	26.18	78	27.7	78	29.2	77.8	29.9	77.8	30.72	77.4	32.22
	-16.7	-17	81.6	27.2	81.2	28.66	80.6	30.06	80.8	30.82	80.8	31.58	80.4	32.98
	-13.7	-15	85	28.28	84.6	29.7	84.2	31.04	84.2	31.8	84.2	32.44	83.8	33.84
	-11.8	-13	88.4	29.36	88.4	30.72	88	32.02	88	32.72	87.6	33.36	87.6	34.72
	-9.8	-11	92.6	30.5	92.2	31.74	92.2	33.04	91.8	33.68	91.8	34.28	91.4	35.58
	-9.5	-10	94.8	31.04	94.4	32.28	94	33.52	94	34.18	94	34.76	93.8	36
	-8.5	-9.1	96.8	31.52	96.4	32.72	96.4	33.96	96	34.54	96	35.2	95.6	36.38
	-7	-7.6	100.2	32.34	100.2	33.52	99.8	34.66	99.8	35.26	99.4	35.84	99.4	36.98
	-5	-5.6	105.6	33.36	105.2	34.5	104.8	35.62	104.8	36.16	104.8	36.76	104.4	37.78
	-3	-3.7	110.4	34.38	110.4	35.46	110	36.5	110	36.98	109.8	37.58	109.8	38.6
	0	-0.7	119.2	35.84	119.2	36.82	118.8	37.78	118.8	38.28	118.4	38.76	118.4	39.74
	3	2.2	128.8	37.2	128.4	38.06	128.4	38.98	128	39.46	128	39.9	125.4	39.68
	5	4.1	135.2	38	134.8	38.86	134.8	39.74	134.4	40.16	134.4	40.6	125.4	37.24
110%	7	6	142	38.76	142	39.58	141.8	40.38	139.4	39.84	134.8	38.22	125.4	35.04
	9	7.9	149.4	39.52	149	40.32	144	38.98	139.4	37.42	134.8	35.9	125.4	32.98
	11	9.8	157	40.22	153.2	39.52	144	36.66	139.4	35.26	134.8	33.8	125.4	31.1
	13	11.8	162.6	39.84	153.2	37.08	144	34.38	139.4	33.1	134.8	31.8	125.4	29.26
	15	13.7	162.6	37.52	153.2	34.92	144	32.44	139.4	31.14	134.8	29.96	125.4	27.58
	-19.8	-20	77	27.96	76.6	29.32	76.2	30.72	76.2	31.42	76.2	32.12	75.8	33.52
	-18.8	-19	78	28.4	77.8	29.74	77.8	31.14	77.8	31.8	77.4	32.5	77.4	33.9
	-16.7	-17	81.2	29.32	80.8	30.66	82	32.02	80.4	32.66	80.4	33.3	80	34.6
	-13.7	-15	84.6	30.34	84.2	31.58	83.8	32.88	83.8	33.52	83.8	34.18	83.4	35.42
	-11.8	-13	88	31.36	88	32.56	87.6	33.74	87.6	34.38	87.2	34.98	87.2	36.22
	-9.8	-11	92.2	32.34	91.8	33.52	91.8	34.66	91.4	35.26	91.4	35.84	91.4	36.98
	-9.5	-10	94.4	32.88	94	33.96	93.6	35.14	93.6	35.68	93.6	36.28	93.4	37.42
	-8.5	-9.1	96.4	33.3	96	34.38	96	35.52	95.6	36.12	95.6	36.66	95.6	38.42
	-7	-7.6	99.8	34.06	99.8	35.08	99.4	36.16	99.4	36.7	99.4	37.24	99	38.32
	-5	-5.6	105.2	35.04	104.8	36.06	104.4	37.04	104.4	37.58	104.4	38.06	104	39.14
	-3	-3.7	110	35.9	110	36.88	109.8	37.84	109.8	38.32	109.4	38.82	109.4	39.78
	0	-0.7	118.8	37.24	118.8	38.16	118.4	39.08	118.4	39.52	118.4	39.94	115	39.2
	3	2.2	128.4	38.5	128	39.3	128	40.16	127.6	40.54	123.4	38.86	115	35.68
	5	4.1	134.8	39.24	134.8	40.06	132.2	39.68	127.6	38.06	123.4	36.54	115	33.52
	7	6	141.6	39.94	140.6	40.22	132.2	37.24	127.6	35.8	123.4	34.38	115	31.58
	9	7.9	149	40.6	140.6	37.78	132.2	35.04	127.6	33.68	123.4	32.34	115	29.74
	11	9.8	149	38.22	140.6	35.58	132.2	32.98	127.6	31.74	123.4	30.5	115	28.08
	13	11.8	149	35.84	140.6	33.36	132.2	30.98	127.6	29.86	123.4	28.66	115	26.46
	15	13.7	149	31.8	140.6	31.48	132.2	29.26	127.6	28.18	123.4	27.1	115	25

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	76.6	30.18	76.2	31.42	76.2	32.72	75.8	33.36	75.8	33.96	75.4	35.26
	-18.8	-19	77.8	30.56	77.8	31.8	77.4	33.1	77.4	33.74	77	34.38	77	35.62
	-16.7	-17	80.8	31.42	80.4	32.66	80.4	33.84	80	34.44	80	35.04	80	36.28
	-13.7	-15	84.2	32.34	83.8	33.52	83.4	34.66	83.4	35.26	83.4	35.84	83	36.98
	-11.8	-13	87.6	33.3	87.6	34.38	87.2	35.46	87.2	36.06	87.2	36.6	86.8	37.74
	-9.8	-11	91.8	34.18	91.4	35.26	91.4	36.34	91.4	36.88	91	37.36	91	38.44
	-9.5	-10	94	34.66	93.8	35.68	93.8	36.7	93.4	37.24	93.4	37.78	93	38.82
	-8.5	-9.1	96	35.04	95.6	36.12	95.6	37.08	95.6	37.58	95.2	38.12	95.2	39.08
	-7	-7.6	99.4	35.74	99.4	36.7	99	37.68	99	38.22	99	38.66	98.6	39.68
	-5	-5.6	104.8	36.66	104.4	37.58	104.4	38.5	104	38.92	104	39.4	103.6	40.38
	-3	-3.7	109.8	37.46	109.8	38	109.4	39.24	109.4	39.68	109.4	40.1	104.8	38.44
	0	-0.7	118.4	38.66	118.4	39.52	118	40.32	116.2	39.68	112.4	38	104.8	34.88
	3	2.2	128	39.78	127.6	40.54	120	37.52	116.2	36.06	112.4	34.6	104.8	31.8
	5	4.1	134.4	40.54	127.6	38.06	120	35.26	116.2	33.96	112.4	32.6	104.8	29.96
	7	6	135.2	38.44	127.6	35.8	120	33.2	116.2	31.96	112.4	30.72	104.8	28.24
90%	9	7.9	135.2	36.12	127.6	33.68	120	31.26	116.2	29.7	112.4	28.94	104.8	26.66
	11	9.8	135.2	34	127.6	31.74	120	29.48	116.2	28.4	112.4	27.32	104.8	25.16
	13	11.8	135.2	31.96	127.6	29.86	120	27.74	116.2	26.72	112.4	25.76	104.8	23.76
	15	13.7	135.2	30.12	127.6	28.18	120	26.24	116.2	25.26	112.4	24.3	104.8	22.52
	-19.8	-20	76	32.44	75.6	33.52	75.6	34.72	75.2	35.26	75.2	35.84	75.2	36.98
	-18.8	-19	77.2	32.76	77.2	33.96	76.8	35.04	76.8	35.62	76.8	36.16	76.4	37.3
	-16.7	-17	80.2	33.58	79.8	34.66	79.8	35.74	79.8	36.28	79.4	36.82	79.4	37.9
	-13.7	-15	83.6	34.38	83.2	35.46	83.2	36.5	82.8	36.98	82.8	37.52	82.8	38.54
	-11.8	-13	87	35.26	87	36.22	86.8	37.2	86.8	37.74	86.8	38.22	86.4	39.2
	-9.8	-11	91.2	36.06	91.2	36.98	90.8	37.96	90.8	38.44	90.8	38.92	90.4	39.9
	-9.5	-10	93.6	36.5	93.2	37.42	93.2	38.32	92.8	38.82	92.8	39.3	92.8	40.16
	-8.5	-9.1	95.4	36.88	95.4	37.78	95	38.66	95	39.08	95	39.58	94	39.94
	-7	-7.6	98.8	37.46	98.8	38.32	98.4	39.24	98.4	39.68	98.4	40.1	94	38.16
	-5	-5.6	104.2	38.28	103.8	39.08	103.8	39.94	103.4	40.38	100.8	39.08	94	35.84
	-3	-3.7	109.2	39.04	109.2	39.78	108	39.94	104.2	38.38	100.8	36.82	94	33.8
80%	0	-0.7	118.2	40.16	114.8	39.14	108	36.28	104.2	34.82	100.8	33.46	94	30.72
	3	2.2	121.6	38.22	114.8	35.62	108	33.04	104.2	31.8	100.8	30.5	94	28.12
	5	4.1	121.6	35.96	114.8	33.52	108	31.14	104.2	29.9	100.8	28.82	94	26.5
	7	6	121.6	33.8	114.8	31.58	108	29.32	104.2	28.24	100.8	27.16	94	25.04
	9	7.9	121.6	31.86	114.8	29.7	108	27.64	104.2	26.66	100.8	25.64	94	23.7
	11	9.8	121.6	30.02	114.8	28.02	108	26.12	104.2	25.16	100.8	24.24	94	22.4
	13	11.8	121.6	28.24	114.8	26.46	108	24.62	104.2	23.76	100.8	22.88	94	21.16
	15	13.7	121.6	26.66	114.8	24.94	108	23.32	104.2	22.52	100.8	21.7	94	20.08
	-19.8	-20	75.8	34.66	75.4	35.68	75.4	36.7	75.4	37.2	75	37.74	75	38.7
	-18.8	-19	77	34.98	77	36	76.6	36.98	76.6	37.52	76.6	38	76.2	39.04
	-16.7	-17	80	35.68	79.6	36.66	79.6	37.62	79.6	38.12	79.6	38.6	79.2	39.52
	-13.7	-15	83.4	36.44	83	37.36	83	38.28	83	38.7	82.6	39.2	82.6	40.16
	-11.8	-13	86.8	37.14	86.8	38.06	86.4	38.92	86.4	39.36	86.4	39.84	83.8	38.76
	-9.8	-11	91	37.9	91	38.76	90.6	39.62	90.6	40	90	39.94	83.8	36.6
	-9.5	-10	93.4	38.28	93	39.08	93	39.94	93	40.38	90	38.76	83.8	35.52
	-8.5	-9.1	95.2	38.66	88.6	39.46	94.8	40.22	93	39.3	90	37.74	83.8	34.6

Note: TC: Total capacity, PI: Power input.

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Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	75.2	36.92	74.8	37.78	74.8	38.66	74.8	39.08	74.8	39.58	73	39.14
	-18.8	-19	76.4	37.2	76.4	38.06	76	38.92	76	39.36	76	39.84	73	38.32
	-16.7	-17	79.4	37.78	79.4	38.66	79	39.52	79	39.94	78.4	35.58	73	36.54
	-13.7	-15	82.8	38.44	82.4	39.3	82.4	40.1	81	39.52	78.4	37.9	73	34.76
	-11.8	-13	86.2	39.08	86.2	39.9	84	38.92	81	37.42	78.4	35.9	73	32.94
	-9.8	-11	90.4	39.74	89.4	39.74	84	36.76	81	35.36	78.4	33.96	73	31.14
	-9.5	-10	92.8	40.1	89.4	38.54	84	35.68	81	34.34	78.4	32.98	73	30.28
	-8.5	-9.1	94.6	40.32	89.4	37.52	84	34.76	81	33.42	78.4	32.12	73	29.52
	-7	-7.6	94.6	38.5	89.4	35.84	84	33.26	81	32.02	78.4	30.72	73	28.28
	-5	-5.6	94.6	36.16	89.4	33.74	84	31.32	81	30.06	78.4	35.58	73	26.66
	-3	-3.7	94.6	34.06	89.4	31.8	84	29.52	81	28.4	78.4	27.32	73	25.22
	0	-0.7	94.6	30.98	89.4	28.98	84	26.94	81	25.96	78.4	25	73	23.1
	3	2.2	94.6	28.34	89.4	26.5	84	24.72	81	23.8	78.4	22.94	73	21.22
	5	4.1	94.6	26.72	89.4	25	84	23.38	81	22.52	78.4	21.7	73	20.08
	7	6	94.6	25.26	89.4	23.64	84	22.08	81	21.32	78.4	20.56	73	19.06
	9	7.9	94.6	23.86	89.4	22.4	84	20.9	81	20.18	78.4	19.48	73	18.08
60%	11	9.8	94.6	22.56	89.4	21.16	84	19.82	81	19.16	78.4	18.52	73	17.16
	13	11.8	94.6	21.32	89.4	20.02	84	18.74	81	18.14	78.4	17.5	73	16.3
	15	13.7	94.6	20.24	89.4	19	84	17.82	81	17.22	78.4	16.62	73	15.54
	-19.8	-20	75	39.14	74.6	39.9	72	38.38	69.8	36.88	67.4	35.42	62.8	32.44
	-18.8	-19	76.2	39.4	76.2	40.16	72	37.58	69.8	36.06	67.4	34.6	62.8	31.8
	-16.7	-17	79.2	39.94	76.6	38.66	72	35.84	69.8	34.44	67.4	33.1	62.8	30.4
	-13.7	-15	81.2	39.52	76.6	36.7	72	34.06	69.8	32.76	67.4	31.48	62.8	28.94
	-11.8	-13	81.2	37.36	76.6	34.76	72	32.28	69.8	31.1	67.4	29.86	62.8	27.64
	-9.8	-11	81.2	35.3	76.6	32.88	72	30.56	69.8	29.42	67.4	28.28	62.8	26.08
	-9.5	-10	81.2	34.34	76.6	32.02	72	29.7	69.8	28.62	67.4	27.54	62.8	25.38
	-8.5	-9.1	81.2	33.42	76.6	31.14	72	28.98	69.8	27.9	67.4	26.82	62.8	24.72
	-7	-7.6	81.2	31.96	76.6	29.86	72	27.74	69.8	26.72	67.4	25.7	62.8	23.76
	-5	-5.6	81.2	30.06	76.6	28.12	72	26.18	69.8	25.22	67.4	24.3	62.8	22.46
	-3	-3.7	81.2	28.4	76.6	26.56	72	24.72	69.8	23.86	67.4	23	62.8	21.26
	0	-0.7	81.2	25.96	76.6	24.3	72	22.68	69.8	21.92	67.4	21.1	62.8	19.54
	3	2.2	81.2	23.8	76.6	22.34	72	20.9	69.8	20.14	67.4	19.44	62.8	18.04
50%	5	4.1	81.2	22.52	76.6	21.1	72	19.76	69.8	19.12	67.4	18.4	62.8	17.12
	7	6	81.2	21.32	76.6	20.02	72	18.74	69.8	18.08	67.4	17.5	62.8	16.24
	9	7.9	81.2	20.18	76.6	18.94	72	17.76	69.8	17.22	67.4	16.58	62.8	15.5
	11	9.8	81.2	19.16	76.6	18.04	72	16.9	69.8	16.36	67.4	15.76	62.8	14.74
	13	11.8	81.2	18.08	76.6	17.06	72	16.04	69.8	15.54	67.4	15	62.8	14.04
	15	13.7	81.2	17.22	76.6	16.2	72	15.28	69.8	14.8	67.4	14.3	62.8	13.38
	-19.8	-20	67.6	35.62	63.8	33.14	60	30.78	57.8	29.64	55.8	28.5	52	26.24
	-18.8	-19	67.6	34.82	63.8	32.44	60	30.18	57.8	29.04	55.8	27.9	52	25.76
	-16.7	-17	67.6	33.26	63.8	30.98	60	28.82	57.8	27.74	55.8	26.72	52	24.68
	-13.7	-15	67.6	31.64	63.8	29.52	60	27.48	57.8	26.46	55.8	25.48	52	23.54
	-11.8	-13	67.6	30.06	63.8	28.08	60	26.12	57.8	25.16	55.8	24.24	52	22.4
	-9.8	-11	67.6	28.44	63.8	26.62	60	24.78	57.8	23.86	55.8	23	52	21.32
	-9.5	-10	67.6	27.7	63.8	25.86	60	24.14	57.8	23.26	55.8	22.4	52	20.72
	-8.5	-9.1	67.6	27	63.8	25.26	60	23.54	57.8	22.72	55.8	21.92	52	20.24
	-7	-7.6	67.6	25.86	63.8	24.24	60	22.56	57.8	21.8	55.8	21.06	52	19.48
	-5	-5.6	67.6	24.4	63.8	22.88	60	21.38	57.8	20.68	55.8	19.92	52	18.46
	-3	-3.7	67.6	23.1	63.8	21.7	60	20.24	57.8	19.6	55.8	18.9	52	17.54
	0	-0.7	67.6	21.22	63.8	19.92	60	18.68	57.8	18.04	55.8	17.44	52	16.2
	3	2.2	67.6	19.54	63.8	18.36	60	17.22	57.8	16.62	55.8	16.08	52	15
	5	4.1	67.6	18.52	63.8	17.44	60	16.36	57.8	15.82	55.8	15.34	52	14.26
	7	6	67.6	17.6	63.8	16.58	60	15.54	57.8	15.06	55.8	14.58	52	13.6
	9	7.9	67.6	16.68	63.8	15.76	60	14.8	57.8	14.36	55.8	13.88	52	12.96
	11	9.8	67.6	15.88	63.8	14.96	60	14.08	57.8	13.66	55.8	13.22	52	12.36
	13	11.8	67.6	15.12	63.8	14.26	60	13.38	57.8	13.02	55.8	12.58	52	11.82
	15	13.7	67.6	14.36	63.8	13.6	60	12.8	57.8	12.42	55.8	12.04	52	11.28

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	54	27.08	51	25.2	48	23.38	46.2	22.52	44.6	21.66	41.6	19.94
	-18.8	-19	54	26.46	51	24.66	48	22.94	46.2	22.08	44.6	21.22	41.6	19.58
	-16.7	-17	54	25.28	51	23.54	48	21.9	46.2	21.08	44.6	20.3	41.6	18.74
	-13.7	-15	54	24.04	51	22.44	48	20.88	46.2	20.1	44.6	19.36	41.6	17.88
	-11.8	-13	54	22.86	51	21.34	48	19.86	46.2	19.12	44.6	18.42	41.6	17.02
	-9.8	-11	54	21.62	51	20.22	48	18.84	46.2	18.14	44.6	17.48	41.6	16.2
	-9.5	-10	54	21.04	51	19.66	48	18.34	46.2	17.68	44.6	17.02	41.6	15.76
	-8.5	-9.1	54	20.52	51	19.2	48	17.88	46.2	17.28	44.6	16.66	41.6	15.38
	-7	-7.6	54	19.66	51	18.42	48	17.14	46.2	16.58	44.6	16	41.6	14.82
	-5	-5.6	54	18.54	51	17.4	48	16.24	46.2	15.72	44.6	15.14	41.6	14.04
	-3	-3.7	54	17.56	51	16.5	48	15.38	46.2	14.9	44.6	14.36	41.6	13.34
	0	-0.7	54	16.12	51	15.14	48	14.2	46.2	13.7	44.6	13.26	41.6	12.3
	3	2.2	54	14.86	51	13.94	48	13.08	46.2	12.64	44.6	12.22	41.6	11.4
	5	4.1	54	14.08	51	13.26	48	12.44	46.2	12.02	44.6	11.66	41.6	10.84
	7	6	54	13.38	51	12.6	48	11.82	46.2	11.44	44.6	11.08	41.6	10.34
30%	9	7.9	54	12.68	51	11.98	48	11.24	46.2	10.92	44.6	10.54	41.6	9.84
	11	9.8	54	12.06	51	11.36	48	10.7	46.2	10.38	44.6	10.06	41.6	9.4
	13	11.8	54	11.48	51	10.84	48	10.18	46.2	9.88	44.6	9.56	41.6	8.98
	15	13.7	54	10.92	51	10.34	48	9.72	46.2	9.44	44.6	9.14	41.6	8.58
	-19.8	-20	40.6	19.88	38.2	18.5	36	13.74	34.6	16.54	33.4	15.9	31.2	14.64
	-18.8	-19	40.6	19.42	38.2	18.1	36	13.48	34.6	16.2	33.4	15.58	31.2	14.36
	-16.7	-17	40.6	18.56	38.2	17.3	36	12.86	34.6	15.48	33.4	14.92	31.2	13.76
	-13.7	-15	40.6	17.66	38.2	16.48	36	12.26	34.6	14.76	33.4	14.22	31.2	13.14
	-11.8	-13	40.6	16.78	38.2	15.66	36	11.66	34.6	14.04	33.4	13.52	31.2	12.5
	-9.8	-11	40.6	15.88	38.2	14.86	36	11.06	34.6	13.32	33.4	12.84	31.2	11.9
	-9.5	-10	40.6	15.46	38.2	14.42	36	10.78	34.6	12.98	33.4	12.5	31.2	11.56
	-8.5	-9.1	40.6	15.06	38.2	14.1	36	10.5	34.6	12.68	33.4	12.22	31.2	11.3
	-7	-7.6	40.6	14.42	38.2	13.52	36	10.08	34.6	12.16	33.4	11.74	31.2	10.88
	-5	-5.6	40.6	13.62	38.2	12.78	36	9.54	34.6	11.54	33.4	11.12	31.2	10.3
	-3	-3.7	40.6	12.9	38.2	12.1	36	9.04	34.6	10.94	33.4	10.54	31.2	9.78
	0	-0.7	40.6	11.84	38.2	11.12	36	8.34	34.6	10.06	33.4	9.72	31.2	9.04
20%	3	2.2	40.6	10.9	38.2	10.24	36	7.68	34.6	9.28	33.4	8.98	31.2	8.38
	5	4.1	40.6	10.34	38.2	9.72	36	7.3	34.6	8.82	33.4	8.56	31.2	7.96
	7	6	40.6	9.82	38.2	9.24	36	6.94	34.6	8.4	33.4	8.14	31.2	7.6
	9	7.9	40.6	9.3	38.2	8.8	36	6.6	34.6	8.02	33.4	7.74	31.2	7.22
	11	9.8	40.6	8.86	38.2	8.34	36	6.28	34.6	7.62	33.4	7.38	31.2	6.9
	13	11.8	40.6	8.44	38.2	7.96	36	5.98	34.6	7.26	33.4	7.02	31.2	6.6
	15	13.7	40.6	8.02	38.2	7.6	36	5.72	34.6	6.92	33.4	6.72	31.2	6.3
	-19.8	-20	27	12.82	25.6	11.94	24	11.08	23	10.66	22.4	10.26	20.8	9.44
	-18.8	-19	27	12.54	25.6	11.68	24	10.86	23	10.46	22.4	10.04	20.8	9.28
	-16.7	-17	27	11.98	25.6	11.16	24	10.38	23	9.98	22.4	9.62	20.8	8.88
	-13.7	-15	27	11.38	25.6	10.64	24	9.9	23	9.52	22.4	9.18	20.8	8.48
	-11.8	-13	27	10.82	25.6	10.1	24	9.4	23	9.06	22.4	8.72	20.8	8.06
	-9.8	-11	27	10.24	25.6	9.58	24	8.92	23	8.58	22.4	8.28	20.8	7.68
	-9.5	-10	27	9.96	25.6	9.3	24	8.68	23	8.38	22.4	8.06	20.8	7.46
	-8.5	-9.1	27	9.72	25.6	9.1	24	8.48	23	8.18	22.4	7.9	20.8	7.28
	-7	-7.6	27	9.3	25.6	8.72	24	8.12	23	7.86	22.4	7.58	20.8	7.02
	-5	-5.6	27	8.78	25.6	8.24	24	7.7	23	7.44	22.4	7.18	20.8	6.64
	-3	-3.7	27	8.32	25.6	7.82	24	7.28	23	7.06	22.4	6.8	20.8	6.32
	0	-0.7	27	7.64	25.6	7.18	24	6.72	23	6.5	22.4	6.28	20.8	5.84
	3	2.2	27	7.04	25.6	6.6	24	6.2	23	5.98	22.4	5.8	20.8	5.4
	5	4.1	27	6.66	25.6	6.28	24	5.88	23	5.7	22.4	5.52	20.8	5.14
	7	6	27	6.34	25.6	5.96	24	5.6	23	5.42	22.4	5.24	20.8	4.9
	9	7.9	27	6	25.6	5.68	24	5.32	23	5.16	22.4	5	20.8	4.66
	11	9.8	27	5.72	25.6	5.38	24	5.08	23	4.92	22.4	4.76	20.8	4.46
	13	11.8	27	5.44	25.6	5.14	24	4.82	23	4.68	22.4	4.52	20.8	4.26
	15	13.7	27	5.16	25.6	4.9	24	4.6	23	4.46	22.4	4.26	20.8	4.06

Note: TC: Total capacity, PI: Power input.

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**■ TMR420ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	77.6	24.13	77.4	25.86	77	27.59	77	28.41	76.6	29.26	76.6	30.97
	-18.8	-19	78.8	24.68	78.4	26.35	78.4	28.08	78	28.93	78	29.69	77.6	31.42
	-16.7	-17	82	25.86	81.6	27.46	81.2	29.09	81.2	29.85	81.2	30.70	80.8	32.30
	-13.7	-15	85.4	27.03	85	28.58	84.6	30.14	84.6	30.92	84.2	31.71	84.2	33.25
	-11.8	-13	88.8	28.25	88.8	29.75	88.4	31.19	88	31.97	88	32.76	87.6	34.20
	-9.8	-11	93	29.48	92.6	30.92	92.2	32.30	92.2	33.03	92.2	33.75	91.8	35.21
	-9.5	-10	95.2	30.14	94.8	31.48	94.4	32.86	94.4	33.58	94	34.26	94	35.64
	-8.5	-9.1	97.2	30.64	96.8	31.97	96.8	33.38	96.4	34.04	96.4	34.69	96	36.10
	-7	-7.6	100.6	31.52	100.6	32.86	100.2	34.14	100.2	34.82	99.8	35.42	99.4	36.75
	-5	-5.6	106	32.76	105.6	33.97	105.2	35.21	105.2	35.87	104.8	36.43	104.8	37.64
	-3	-3.7	110.8	33.81	110.4	34.98	110.4	36.14	110	36.75	110	37.37	109.6	38.49
	0	-0.7	119.6	35.42	119.6	36.53	119.2	37.60	119.2	38.03	118.8	38.71	118.8	39.82
	3	2.2	129.2	36.92	128.8	37.93	128.4	38.92	128.4	39.43	128.4	39.99	128	40.94
	5	4.1	135.6	37.81	135.2	38.81	135.2	39.76	134.8	40.26	134.8	40.71	134.4	41.66
	7	6	142.4	38.75	142	39.60	142	40.55	141.6	40.98	141.6	41.43	136	39.82
	9	7.9	149.6	39.54	149.4	40.42	149.4	41.27	149	41.70	146	40.81	136	37.37
120%	11	9.8	157.4	40.32	157	41.14	156.2	41.66	150.8	40.03	146	38.36	136	35.21
	13	11.8	165.6	41.10	165.4	41.86	156.2	39.04	150.8	37.48	146	36.03	136	33.03
	15	13.7	173.6	41.82	166	39.66	156.2	36.75	150.8	35.37	146	33.93	136	31.19
	-19.8	-20	77.4	26.47	77	28.02	76.6	29.65	76.6	30.37	76.6	31.19	76.2	32.76
	-18.8	-19	78.4	26.97	78	28.53	78	30.08	77.8	30.80	77.8	31.65	77.4	33.19
	-16.7	-17	81.6	28.02	81.2	29.52	80.6	30.97	80.8	31.75	80.8	32.53	80.4	33.97
	-13.7	-15	85	29.13	84.6	30.59	84.2	31.97	84.2	32.76	84.2	33.42	83.8	34.86
	-11.8	-13	88.4	30.24	88.4	31.65	88	32.98	88	33.71	87.6	34.36	87.6	35.77
	-9.8	-11	92.6	31.42	92.2	32.70	92.2	34.04	91.8	34.69	91.8	35.31	91.4	36.65
	-9.5	-10	94.8	31.97	94.4	33.25	94	34.53	94	35.21	94	35.81	93.8	37.08
	-8.5	-9.1	96.8	32.47	96.4	33.71	96.4	34.98	96	35.58	96	36.26	95.6	37.48
	-7	-7.6	100.2	33.31	100.2	34.53	99.8	35.70	99.8	36.32	99.4	36.92	99.4	38.09
	-5	-5.6	105.6	34.36	105.2	35.54	104.8	36.69	104.8	37.25	104.8	37.87	104.4	38.92
	-3	-3.7	110.4	35.42	110.4	36.53	110	37.60	110	38.09	109.8	38.71	109.8	39.76
	0	-0.7	119.2	36.92	119.2	37.93	118.8	38.92	118.8	39.43	118.4	39.93	118.4	40.94
	3	2.2	128.8	38.32	128.4	39.21	128.4	40.15	128	40.65	128	41.10	125.4	40.88
	5	4.1	135.2	39.14	134.8	40.03	134.8	40.94	134.4	41.37	134.4	41.82	125.4	38.36
110%	7	6	142	39.93	142	40.77	141.8	41.60	139.4	41.04	134.8	39.37	125.4	36.10
	9	7.9	149.4	40.71	149	41.53	144	40.15	139.4	38.55	134.8	36.98	125.4	33.97
	11	9.8	157	41.43	153.2	40.71	144	37.76	139.4	36.32	134.8	34.82	125.4	32.04
	13	11.8	162.6	41.04	153.2	38.20	144	35.42	139.4	34.10	134.8	32.76	125.4	30.14
	15	13.7	162.6	38.65	153.2	35.97	144	33.42	139.4	32.08	134.8	30.86	125.4	28.41
	-19.8	-20	77	28.80	76.6	30.20	76.2	31.65	76.2	32.37	76.2	33.09	75.8	34.53
	-18.8	-19	78	29.26	77.8	30.64	77.8	32.08	77.8	32.76	77.4	33.48	77.4	34.92
	-16.7	-17	81.2	30.20	80.8	31.58	82	32.98	80.4	33.64	80.4	34.30	80	35.64
	-13.7	-15	84.6	31.25	84.2	32.53	83.8	33.87	83.8	34.53	83.8	35.21	83.4	36.49
	-11.8	-13	88	32.30	88	33.54	87.6	34.76	87.6	35.42	87.2	36.03	87.2	37.31
	-9.8	-11	92.2	33.31	91.8	34.53	91.8	35.70	91.4	36.32	91.4	36.92	91.4	38.09
	-9.5	-10	94.4	33.87	94	34.98	93.6	36.20	93.6	36.75	93.6	37.37	93.4	38.55
	-8.5	-9.1	96.4	34.30	96	35.42	96	36.59	95.6	37.21	95.6	37.76	95.6	39.43
	-7	-7.6	99.8	35.09	99.8	36.14	99.4	37.25	99.4	37.81	99.4	38.36	99	39.47
	-5	-5.6	105.2	36.10	104.8	37.15	104.4	38.16	104.4	38.71	104.4	39.21	104	40.32
	-3	-3.7	110	36.98	110	37.99	109.8	38.98	109.8	39.47	109.4	39.99	109.4	40.98
	0	-0.7	118.8	38.36	118.8	39.31	118.4	40.26	118.4	40.71	118.4	41.14	115	40.38
	3	2.2	128.4	39.66	128	40.48	128	41.37	127.6	41.76	123.4	40.03	115	36.75
	5	4.1	134.8	40.42	134.8	41.27	132.2	40.88	127.6	39.21	123.4	37.64	115	34.53
	7	6	141.6	41.14	140.6	41.43	132.2	38.36	127.6	36.88	123.4	35.42	115	32.53
	9	7.9	149	41.82	140.6	38.92	132.2	36.10	127.6	34.69	123.4	33.31	115	30.64
	11	9.8	149	39.37	140.6	36.65	132.2	33.97	127.6	32.70	123.4	31.42	115	28.93
	13	11.8	149	36.92	140.6	34.36	132.2	31.91	127.6	30.76	123.4	29.52	115	27.26
	15	13.7	149	32.76	140.6	32.43	132.2	30.14	127.6	29.03	123.4	27.92	115	25.75

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	76.6	31.09	76.2	32.37	76.2	33.71	75.8	34.36	75.8	34.98	75.4	36.32
	-18.8	-19	77.8	31.48	77.8	32.76	77.4	34.10	77.4	34.76	77	35.42	77	36.69
	-16.7	-17	80.8	32.37	80.4	33.64	80.4	34.86	80	35.48	80	36.10	80	37.37
	-13.7	-15	84.2	33.31	83.8	34.53	83.4	35.70	83.4	36.32	83.4	36.92	83	38.09
	-11.8	-13	87.6	34.30	87.6	35.42	87.2	36.53	87.2	37.15	87.2	37.70	86.8	38.88
	-9.8	-11	91.8	35.21	91.4	36.32	91.4	37.43	91.4	37.99	91	38.49	91	39.60
	-9.5	-10	94	35.70	93.8	36.75	93.8	37.81	93.4	38.36	93.4	38.92	93	39.99
	-8.5	-9.1	96	36.10	95.6	37.21	95.6	38.20	95.6	38.71	95.2	39.27	95.2	40.26
	-7	-7.6	99.4	36.82	99.4	37.81	99	38.81	99	39.37	99	39.82	98.6	40.88
	-5	-5.6	104.8	37.76	104.4	38.71	104.4	39.66	104	40.09	104	40.59	103.6	41.60
	-3	-3.7	109.8	38.59	109.8	35.02	109.4	40.42	109.4	40.88	109.4	41.31	104.8	39.60
	0	-0.7	118.4	39.82	118.4	40.71	118	41.53	116.2	40.88	112.4	39.14	104.8	35.93
	3	2.2	128	40.98	127.6	41.76	120	38.65	116.2	37.15	112.4	35.64	104.8	32.76
	5	4.1	134.4	41.76	127.6	39.21	120	36.32	116.2	34.98	112.4	33.58	104.8	30.86
	7	6	135.2	39.60	127.6	36.88	120	34.20	116.2	32.92	112.4	31.65	104.8	29.09
90%	9	7.9	135.2	37.21	127.6	34.69	120	32.20	116.2	30.59	112.4	29.81	104.8	27.46
	11	9.8	135.2	35.02	127.6	32.70	120	30.37	116.2	29.26	112.4	28.14	104.8	25.92
	13	11.8	135.2	32.92	127.6	30.76	120	28.58	116.2	27.52	112.4	26.54	104.8	24.48
	15	13.7	135.2	31.03	127.6	29.03	120	27.03	116.2	26.02	112.4	25.03	104.8	23.20
	-19.8	-20	76	33.42	75.6	34.53	75.6	35.77	75.2	36.32	75.2	36.92	75.2	38.09
	-18.8	-19	77.2	33.75	77.2	34.98	76.8	36.10	76.8	36.69	76.8	37.25	76.4	38.42
	-16.7	-17	80.2	34.59	79.8	35.70	79.8	36.82	79.8	37.37	79.4	37.93	79.4	39.04
	-13.7	-15	83.6	35.42	83.2	36.53	83.2	37.60	82.8	38.09	82.8	38.65	82.8	39.70
	-11.8	-13	87	36.32	87	37.31	86.8	38.32	86.8	38.88	86.8	39.37	86.4	40.38
	-9.8	-11	91.2	37.15	91.2	38.09	90.8	39.10	90.8	39.60	90.8	40.09	90.4	41.10
	-9.5	-10	93.6	37.60	93.2	38.55	93.2	39.47	92.8	39.99	92.8	40.48	92.8	41.37
	-8.5	-9.1	95.4	37.99	95.4	38.92	95	39.82	95	40.26	95	40.77	94	41.14
	-7	-7.6	98.8	38.59	98.8	39.47	98.4	40.42	98.4	40.88	98.4	41.31	94	39.31
	-5	-5.6	104.2	39.43	103.8	40.26	103.8	41.14	103.4	41.60	100.8	40.26	94	36.92
	-3	-3.7	109.2	40.22	109.2	40.98	108	41.14	104.2	39.54	100.8	37.93	94	34.82
80%	0	-0.7	118.2	41.37	114.8	40.32	108	37.37	104.2	35.87	100.8	34.47	94	31.65
	3	2.2	121.6	39.37	114.8	36.69	108	34.04	104.2	32.76	100.8	31.42	94	28.97
	5	4.1	121.6	37.04	114.8	34.53	108	32.08	104.2	30.80	100.8	29.69	94	27.30
	7	6	121.6	34.82	114.8	32.53	108	30.20	104.2	29.09	100.8	27.98	94	25.79
	9	7.9	121.6	32.82	114.8	30.59	108	28.47	104.2	27.46	100.8	26.41	94	24.41
	11	9.8	121.6	30.92	114.8	28.86	108	26.91	104.2	25.92	100.8	24.97	94	23.07
	13	11.8	121.6	29.09	114.8	27.26	108	25.36	104.2	24.48	100.8	23.57	94	21.80
	15	13.7	121.6	27.46	114.8	25.69	108	24.02	104.2	23.20	100.8	22.35	94	20.68
	-19.8	-20	75.8	35.70	75.4	36.75	75.4	37.81	75.4	38.32	75	38.88	75	39.87
	-18.8	-19	77	36.03	77	37.08	76.6	38.09	76.6	38.65	76.6	39.14	76.2	40.22
	-16.7	-17	80	36.75	79.6	37.76	79.6	38.75	79.6	39.27	79.6	39.76	79.2	40.71
	-13.7	-15	83.4	37.54	83	38.49	83	39.43	83	39.87	82.6	40.38	82.6	41.37
	-11.8	-13	86.8	38.26	86.8	39.21	86.4	40.09	86.4	40.55	86.4	41.04	83.8	39.93
	-9.8	-11	91	39.04	91	39.93	90.6	40.81	90.6	41.20	90	41.14	83.8	37.70
	-9.5	-10	93.4	39.43	93	40.26	93	41.14	93	41.60	90	39.93	83.8	36.59
	-8.5	-9.1	95.2	39.82	88.6	40.65	94.8	41.43	93	40.48	90	38.88	83.8	35.64

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	75.2	38.03	74.8	38.92	74.8	39.82	74.8	40.26	74.8	40.77	73	40.32
	-18.8	-19	76.4	38.32	76.4	39.21	76	40.09	76	40.55	76	41.04	73	39.47
	-16.7	-17	79.4	38.92	79.4	39.82	79	40.71	79	41.14	78.4	36.65	73	37.64
	-13.7	-15	82.8	39.60	82.4	40.48	82.4	41.31	81	40.71	78.4	39.04	73	35.81
	-11.8	-13	86.2	40.26	86.2	41.10	84	40.09	81	38.55	78.4	36.98	73	33.93
	-9.8	-11	90.4	40.94	89.4	40.94	84	37.87	81	36.43	78.4	34.98	73	32.08
	-9.5	-10	92.8	41.31	89.4	39.70	84	36.75	81	35.37	78.4	33.97	73	31.19
	-8.5	-9.1	94.6	41.53	89.4	38.65	84	35.81	81	34.43	78.4	33.09	73	30.41
	-7	-7.6	94.6	39.66	89.4	36.92	84	34.26	81	32.98	78.4	31.65	73	29.13
	-5	-5.6	94.6	37.25	89.4	34.76	84	32.26	81	30.97	78.4	36.65	73	27.46
	-3	-3.7	94.6	35.09	89.4	32.76	84	30.41	81	29.26	78.4	28.14	73	25.98
	0	-0.7	94.6	31.91	89.4	29.85	84	27.75	81	26.74	78.4	25.75	73	23.80
	3	2.2	94.6	29.19	89.4	27.30	84	25.46	81	24.52	78.4	23.63	73	21.86
	5	4.1	94.6	27.52	89.4	25.75	84	24.08	81	23.20	78.4	22.35	73	20.68
	7	6	94.6	26.02	89.4	24.35	84	22.75	81	21.96	78.4	21.18	73	19.63
	9	7.9	94.6	24.58	89.4	23.07	84	21.53	81	20.79	78.4	20.07	73	18.62
	11	9.8	94.6	23.24	89.4	21.80	84	20.42	81	19.74	78.4	19.08	73	17.68
	13	11.8	94.6	21.96	89.4	20.62	84	19.30	81	18.69	78.4	18.03	73	16.79
	15	13.7	94.6	20.85	89.4	19.57	84	18.36	81	17.74	78.4	17.12	73	16.01
60%	-19.8	-20	75	40.32	74.6	41.10	72	39.54	69.8	37.99	67.4	36.49	62.8	33.42
	-18.8	-19	76.2	40.59	76.2	41.37	72	38.71	69.8	37.15	67.4	35.64	62.8	32.76
	-16.7	-17	79.2	41.14	76.6	39.82	72	36.92	69.8	35.48	67.4	34.10	62.8	31.32
	-13.7	-15	81.2	40.71	76.6	37.81	72	35.09	69.8	33.75	67.4	32.43	62.8	29.81
	-11.8	-13	81.2	38.49	76.6	35.81	72	33.25	69.8	32.04	67.4	30.76	62.8	28.47
	-9.8	-11	81.2	36.36	76.6	33.87	72	31.48	69.8	30.31	67.4	29.13	62.8	26.87
	-9.5	-10	81.2	35.37	76.6	32.98	72	30.59	69.8	29.48	67.4	28.37	62.8	26.14
	-8.5	-9.1	81.2	34.43	76.6	32.08	72	29.85	69.8	28.74	67.4	27.63	62.8	25.46
	-7	-7.6	81.2	32.92	76.6	30.76	72	28.58	69.8	27.52	67.4	26.47	62.8	24.48
	-5	-5.6	81.2	30.97	76.6	28.97	72	26.97	69.8	25.98	67.4	25.03	62.8	23.14
	-3	-3.7	81.2	29.26	76.6	27.36	72	25.46	69.8	24.58	67.4	23.69	62.8	21.90
	0	-0.7	81.2	26.74	76.6	25.03	72	23.36	69.8	22.58	67.4	21.74	62.8	20.13
	3	2.2	81.2	24.52	76.6	23.01	72	21.53	69.8	20.75	67.4	20.03	62.8	18.58
	5	4.1	81.2	23.20	76.6	21.74	72	20.36	69.8	19.70	67.4	18.95	62.8	17.64
	7	6	81.2	21.96	76.6	20.62	72	19.30	69.8	18.62	67.4	18.03	62.8	16.73
	9	7.9	81.2	20.79	76.6	19.51	72	18.29	69.8	17.74	67.4	17.08	62.8	15.97
	11	9.8	81.2	19.74	76.6	18.58	72	17.41	69.8	16.85	67.4	16.23	62.8	15.18
	13	11.8	81.2	18.62	76.6	17.57	72	16.52	69.8	16.01	67.4	15.45	62.8	14.46
	15	13.7	81.2	17.74	76.6	16.69	72	15.74	69.8	15.25	67.4	14.73	62.8	13.78
50%	-19.8	-20	67.6	36.69	63.8	34.14	60	31.71	57.8	30.53	55.8	29.36	52	27.03
	-18.8	-19	67.6	35.87	63.8	33.42	60	31.09	57.8	29.91	55.8	28.74	52	26.54
	-16.7	-17	67.6	34.26	63.8	31.91	60	29.69	57.8	28.58	55.8	27.52	52	25.42
	-13.7	-15	67.6	32.59	63.8	30.41	60	28.31	57.8	27.26	55.8	26.25	52	24.25
	-11.8	-13	67.6	30.97	63.8	28.93	60	26.91	57.8	25.92	55.8	24.97	52	23.07
	-9.8	-11	67.6	29.30	63.8	27.42	60	25.53	57.8	24.58	55.8	23.69	52	21.96
	-9.5	-10	67.6	28.53	63.8	26.64	60	24.87	57.8	23.96	55.8	23.07	52	21.34
	-8.5	-9.1	67.6	27.81	63.8	26.02	60	24.25	57.8	23.40	55.8	22.58	52	20.85
	-7	-7.6	67.6	26.64	63.8	24.97	60	23.24	57.8	22.46	55.8	21.69	52	20.07
	-5	-5.6	67.6	25.13	63.8	23.57	60	22.02	57.8	21.30	55.8	20.52	52	19.02
	-3	-3.7	67.6	23.80	63.8	22.35	60	20.85	57.8	20.19	55.8	19.47	52	18.07
	0	-0.7	67.6	21.86	63.8	20.52	60	19.24	57.8	18.58	55.8	17.97	52	16.69
	3	2.2	67.6	20.13	63.8	18.91	60	17.74	57.8	17.12	55.8	16.56	52	15.45
	5	4.1	67.6	19.08	63.8	17.97	60	16.85	57.8	16.30	55.8	15.80	52	14.69
	7	6	67.6	18.13	63.8	17.08	60	16.01	57.8	15.51	55.8	15.02	52	14.01
	9	7.9	67.6	17.18	63.8	16.23	60	15.25	57.8	14.79	55.8	14.30	52	13.35
	11	9.8	67.6	16.36	63.8	15.41	60	14.50	57.8	14.07	55.8	13.62	52	12.73
	13	11.8	67.6	15.58	63.8	14.69	60	13.78	57.8	13.41	55.8	12.96	52	12.18
	15	13.7	67.6	14.79	63.8	14.01	60	13.19	57.8	12.79	55.8	12.40	52	11.62

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	54	27.90	51	25.96	48	24.08	46.2	23.20	44.6	22.31	41.6	20.54
	-18.8	-19	54	27.26	51	25.40	48	23.63	46.2	22.75	44.6	21.86	41.6	20.17
	-16.7	-17	54	26.04	51	24.25	48	22.56	46.2	21.71	44.6	20.91	41.6	19.30
	-13.7	-15	54	24.76	51	23.12	48	21.51	46.2	20.71	44.6	19.94	41.6	18.42
	-11.8	-13	54	23.55	51	21.98	48	20.46	46.2	19.70	44.6	18.97	41.6	17.53
	-9.8	-11	54	22.27	51	20.83	48	19.41	46.2	18.69	44.6	18.01	41.6	16.69
	-9.5	-10	54	21.67	51	20.25	48	18.89	46.2	18.21	44.6	17.53	41.6	16.23
	-8.5	-9.1	54	21.14	51	19.78	48	18.42	46.2	17.80	44.6	17.16	41.6	15.84
	-7	-7.6	54	20.25	51	18.97	48	17.66	46.2	17.08	44.6	16.48	41.6	15.27
	-5	-5.6	54	19.10	51	17.92	48	16.73	46.2	16.19	44.6	15.60	41.6	14.46
	-3	-3.7	54	18.09	51	17.00	48	15.84	46.2	15.35	44.6	14.79	41.6	13.74
	0	-0.7	54	16.61	51	15.60	48	14.63	46.2	14.11	44.6	13.66	41.6	12.67
	3	2.2	54	15.31	51	14.36	48	13.47	46.2	13.02	44.6	12.59	41.6	11.74
	5	4.1	54	14.50	51	13.66	48	12.81	46.2	12.38	44.6	12.01	41.6	11.17
	7	6	54	13.78	51	12.98	48	12.18	46.2	11.78	44.6	11.41	41.6	10.65
30%	9	7.9	54	13.06	51	12.34	48	11.58	46.2	11.25	44.6	10.86	41.6	10.14
	11	9.8	54	12.42	51	11.70	48	11.02	46.2	10.69	44.6	10.36	41.6	9.68
	13	11.8	54	11.83	51	11.17	48	10.49	46.2	10.18	44.6	9.85	41.6	9.25
	15	13.7	54	11.25	51	10.65	48	10.01	46.2	9.72	44.6	9.42	41.6	8.84
	-19.8	-20	40.6	20.48	38.2	19.06	36	14.15	34.6	17.04	33.4	16.38	31.2	15.08
	-18.8	-19	40.6	20.00	38.2	18.65	36	13.89	34.6	16.69	33.4	16.05	31.2	14.79
	-16.7	-17	40.6	19.12	38.2	17.82	36	13.25	34.6	15.95	33.4	15.37	31.2	14.17
	-13.7	-15	40.6	18.19	38.2	16.98	36	12.63	34.6	15.20	33.4	14.65	31.2	13.54
	-11.8	-13	40.6	17.29	38.2	16.13	36	12.01	34.6	14.46	33.4	13.93	31.2	12.88
	-9.8	-11	40.6	16.36	38.2	15.31	36	11.39	34.6	13.72	33.4	13.23	31.2	12.26
	-9.5	-10	40.6	15.93	38.2	14.85	36	11.10	34.6	13.37	33.4	12.88	31.2	11.91
	-8.5	-9.1	40.6	15.51	38.2	14.52	36	10.82	34.6	13.06	33.4	12.59	31.2	11.64
	-7	-7.6	40.6	14.85	38.2	13.93	36	10.38	34.6	12.53	33.4	12.09	31.2	11.21
	-5	-5.6	40.6	14.03	38.2	13.16	36	9.83	34.6	11.89	33.4	11.45	31.2	10.61
	-3	-3.7	40.6	13.29	38.2	12.46	36	9.31	34.6	11.27	33.4	10.86	31.2	10.07
20%	0	-0.7	40.6	12.20	38.2	11.45	36	8.59	34.6	10.36	33.4	10.01	31.2	9.31
	3	2.2	40.6	11.23	38.2	10.55	36	7.91	34.6	9.56	33.4	9.25	31.2	8.63
	5	4.1	40.6	10.65	38.2	10.01	36	7.52	34.6	9.09	33.4	8.82	31.2	8.20
	7	6	40.6	10.12	38.2	9.52	36	7.15	34.6	8.65	33.4	8.39	31.2	7.83
	9	7.9	40.6	9.58	38.2	9.07	36	6.80	34.6	8.26	33.4	7.97	31.2	7.44
	11	9.8	40.6	9.13	38.2	8.59	36	6.47	34.6	7.85	33.4	7.60	31.2	7.11
	13	11.8	40.6	8.69	38.2	8.20	36	6.16	34.6	7.48	33.4	7.23	31.2	6.80
	15	13.7	40.6	8.26	38.2	7.83	36	5.89	34.6	7.13	33.4	6.92	31.2	6.49
	-19.8	-20	27	13.21	25.6	12.30	24	11.41	23	10.98	22.4	10.57	20.8	9.72
	-18.8	-19	27	12.92	25.6	12.03	24	11.19	23	10.78	22.4	10.34	20.8	9.56
	-16.7	-17	27	12.34	25.6	11.50	24	10.69	23	10.28	22.4	9.91	20.8	9.15
	-13.7	-15	27	11.72	25.6	10.96	24	10.20	23	9.81	22.4	9.46	20.8	8.74
	-11.8	-13	27	11.15	25.6	10.40	24	9.68	23	9.33	22.4	8.98	20.8	8.30
	-9.8	-11	27	10.55	25.6	9.87	24	9.19	23	8.84	22.4	8.53	20.8	7.91
	-9.5	-10	27	10.26	25.6	9.58	24	8.94	23	8.63	22.4	8.30	20.8	7.68
	-8.5	-9.1	27	10.01	25.6	9.37	24	8.74	23	8.43	22.4	8.14	20.8	7.50

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR440ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	77.6	24.83	77.4	26.61	77	28.39	77	29.24	76.6	30.11	76.6	31.87
	-18.8	-19	78.8	25.40	78.4	27.12	78.4	28.90	78	29.77	78	30.56	77.6	32.34
	-16.7	-17	82	26.61	81.6	28.27	81.2	29.94	81.2	30.73	81.2	31.60	80.8	33.25
	-13.7	-15	85.4	27.82	85	29.41	84.6	31.02	84.6	31.83	84.2	32.63	84.2	34.22
	-11.8	-13	88.8	29.07	88.8	30.62	88.4	32.10	88	32.91	88	33.72	87.6	35.20
	-9.8	-11	93	30.34	92.6	31.83	92.2	33.25	92.2	33.99	92.2	34.73	91.8	36.24
	-9.5	-10	95.2	31.02	94.8	32.40	94.4	33.82	94.4	34.56	94	35.26	94	36.68
	-8.5	-9.1	97.2	31.53	96.8	32.91	96.8	34.35	96.4	35.03	96.4	35.71	96	37.15
	-7	-7.6	100.6	32.44	100.6	33.82	100.2	35.14	100.2	35.84	99.8	36.45	99.4	37.83
	-5	-5.6	106	33.72	105.6	34.97	105.2	36.24	105.2	36.92	104.8	37.49	104.8	38.74
	-3	-3.7	110.8	34.80	110.4	36.01	110.4	37.19	110	37.83	110	38.47	109.6	39.61
	0	-0.7	119.6	36.45	119.6	37.60	119.2	38.70	119.2	39.14	118.8	39.84	118.8	40.99
	3	2.2	129.2	38.00	128.8	39.04	128.4	40.06	128.4	40.59	128.4	41.16	128	42.13
	5	4.1	135.6	38.91	135.2	39.95	135.2	40.93	134.8	41.43	134.8	41.90	134.4	42.88
	7	6	142.4	39.89	142	40.76	142	41.73	141.6	42.18	141.6	42.64	136	40.99
	9	7.9	149.6	40.69	149.4	41.60	149.4	42.47	149	42.92	146	42.01	136	38.47
	11	9.8	157.4	41.50	157	42.35	156.2	42.88	150.8	41.20	146	39.48	136	36.24
	13	11.8	165.6	42.30	165.4	43.09	156.2	40.18	150.8	38.57	146	37.09	136	33.99
	15	13.7	173.6	43.05	166	40.82	156.2	37.83	150.8	36.41	146	34.92	136	32.10
120%	-19.8	-20	77.4	27.25	77	28.84	76.6	30.51	76.6	31.26	76.6	32.10	76.2	33.72
	-18.8	-19	78.4	27.76	78	29.37	78	30.96	77.8	31.70	77.8	32.57	77.4	34.16
	-16.7	-17	81.6	28.84	81.2	30.39	80.6	31.87	80.8	32.68	80.8	33.48	80.4	34.97
	-13.7	-15	85	29.98	84.6	31.49	84.2	32.91	84.2	33.72	84.2	34.39	83.8	35.88
	-11.8	-13	88.4	31.13	88.4	32.57	88	33.95	88	34.69	87.6	35.37	87.6	36.81
	-9.8	-11	92.6	32.34	92.2	33.65	92.2	35.03	91.8	35.71	91.8	36.35	91.4	37.72
	-9.5	-10	94.8	32.91	94.4	34.22	94	35.54	94	36.24	94	36.85	93.8	38.17
	-8.5	-9.1	96.8	33.42	96.4	34.69	96.4	36.01	96	36.62	96	37.32	95.6	38.57
	-7	-7.6	100.2	34.29	100.2	35.54	99.8	36.75	99.8	37.38	99.4	38.00	99.4	39.21
	-5	-5.6	105.6	35.37	105.2	36.58	104.8	37.77	104.8	38.34	104.8	38.97	104.4	40.06
	-3	-3.7	110.4	36.45	110.4	37.60	110	38.70	110	39.21	109.8	39.84	109.8	40.93
	0	-0.7	119.2	38.00	119.2	39.04	118.8	40.06	118.8	40.59	118.4	41.09	118.4	42.13
	3	2.2	128.8	39.44	128.4	40.35	128.4	41.33	128	41.84	128	42.30	125.4	42.07
	5	4.1	135.2	40.29	134.8	41.20	134.8	42.13	134.4	42.58	134.4	43.05	125.4	39.48
	7	6	142	41.09	142	41.96	141.8	42.81	139.4	42.24	134.8	40.52	125.4	37.15
	9	7.9	149.4	41.90	149	42.75	144	41.33	139.4	39.67	134.8	38.06	125.4	34.97
	11	9.8	157	42.64	153.2	41.90	144	38.87	139.4	37.38	134.8	35.84	125.4	32.97
	13	11.8	162.6	42.24	153.2	39.31	144	36.45	139.4	35.09	134.8	33.72	125.4	31.02
	15	13.7	162.6	39.78	153.2	37.02	144	34.39	139.4	33.02	134.8	31.76	125.4	29.24
110%	-19.8	-20	77	29.64	76.6	31.09	76.2	32.57	76.2	33.31	76.2	34.05	75.8	35.54
	-18.8	-19	78	30.11	77.8	31.53	77.8	33.02	77.8	33.72	77.4	34.46	77.4	35.94
	-16.7	-17	81.2	31.09	80.8	32.51	82	33.95	80.4	34.63	80.4	35.31	80	36.68
	-13.7	-15	84.6	32.17	84.2	33.48	83.8	34.86	83.8	35.54	83.8	36.24	83.4	37.55
	-11.8	-13	88	33.25	88	34.52	87.6	35.77	87.6	36.45	87.2	37.09	87.2	38.40
	-9.8	-11	92.2	34.29	91.8	35.54	91.8	36.75	91.4	37.38	91.4	38.00	91.4	39.21
	-9.5	-10	94.4	34.86	94	36.01	93.6	37.26	93.6	37.83	93.6	38.47	93.4	39.67
	-8.5	-9.1	96.4	35.31	96	36.45	96	37.66	95.6	38.30	95.6	38.87	95.6	35.43
	-7	-7.6	99.8	36.11	99.8	37.19	99.4	38.34	99.4	38.91	99.4	39.48	99	40.63
	-5	-5.6	105.2	37.15	104.8	38.23	104.4	39.27	104.4	39.84	104.4	40.35	104	41.50
	-3	-3.7	110	38.06	110	39.10	109.8	40.12	109.8	40.63	109.4	41.16	109.4	42.18
	0	-0.7	118.8	39.48	118.8	40.46	118.4	41.43	118.4	41.90	118.4	42.35	115	41.56
	3	2.2	128.4	40.82	128	41.67	128	42.58	127.6	42.98	123.4	41.20	115	37.83
	5	4.1	134.8	41.60	134.8	42.47	132.2	42.07	127.6	40.35	123.4	38.74	115	35.54
	7	6	141.6	42.35	140.6	42.64	132.2	39.48	127.6	37.96	123.4	36.45	115	33.48
	9	7.9	149	43.05	140.6	40.06	132.2	37.15	127.6	35.71	123.4	34.29	115	31.53
	11	9.8	149	40.52	140.6	37.72	132.2	34.97	127.6	33.65	123.4	32.34	115	29.77
	13	11.8	149	38.00	140.6	35.37	132.2	32.85	127.6	31.66	123.4	30.39	115	28.05
	15	13.7	149	33.72	140.6	33.38	132.2	31.02	127.6	29.88	123.4	28.73	115	26.51

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	76.6	32.00	76.2	33.31	76.2	34.69	75.8	35.37	75.8	36.01	75.4	37.38
	-18.8	-19	77.8	32.40	77.8	33.72	77.4	35.09	77.4	35.77	77	36.45	77	37.77
	-16.7	-17	80.8	33.31	80.4	34.63	80.4	35.88	80	36.51	80	37.15	80	38.47
	-13.7	-15	84.2	34.29	83.8	35.54	83.4	36.75	83.4	37.38	83.4	38.00	83	39.21
	-11.8	-13	87.6	35.31	87.6	36.45	87.2	37.60	87.2	38.23	87.2	38.80	86.8	40.01
	-9.8	-11	91.8	36.24	91.4	37.38	91.4	38.53	91.4	39.10	91	39.61	91	40.76
	-9.5	-10	94	36.75	93.8	37.83	93.8	38.91	93.4	39.48	93.4	40.06	93	41.16
	-8.5	-9.1	96	37.15	95.6	38.30	95.6	39.31	95.6	39.84	95.2	40.42	95.2	41.43
	-7	-7.6	99.4	37.89	99.4	38.91	99	39.95	99	40.52	99	40.99	98.6	42.07
	-5	-5.6	104.8	38.87	104.4	39.84	104.4	40.82	104	41.26	104	41.77	103.6	42.81
	-3	-3.7	109.8	39.72	109.8	40.65	109.4	41.60	109.4	42.07	109.4	42.52	104.8	40.76
	0	-0.7	118.4	40.99	118.4	41.90	118	42.75	116.2	42.07	112.4	40.29	104.8	36.98
	3	2.2	128	42.18	127.6	42.98	120	39.78	116.2	38.23	112.4	36.68	104.8	33.72
	5	4.1	134.4	42.98	127.6	40.35	120	37.38	116.2	36.01	112.4	34.56	104.8	31.76
	7	6	135.2	40.76	127.6	37.96	120	35.20	116.2	33.89	112.4	32.57	104.8	29.94
90%	9	7.9	135.2	38.30	127.6	35.71	120	33.14	116.2	31.49	112.4	30.68	104.8	28.27
	11	9.8	135.2	36.05	127.6	33.65	120	31.26	116.2	30.11	112.4	28.97	104.8	26.68
	13	11.8	135.2	33.89	127.6	31.66	120	29.41	116.2	28.33	112.4	27.31	104.8	25.19
	15	13.7	135.2	31.93	127.6	29.88	120	27.82	116.2	26.78	112.4	25.76	104.8	23.88
	-19.8	-20	76	34.39	75.6	35.54	75.6	36.81	75.2	37.38	75.2	38.00	75.2	39.21
	-18.8	-19	77.2	34.73	77.2	36.01	76.8	37.15	76.8	37.77	76.8	38.34	76.4	39.55
	-16.7	-17	80.2	35.60	79.8	36.75	79.8	37.89	79.8	38.47	79.4	39.04	79.4	40.18
	-13.7	-15	83.6	36.45	83.2	37.60	83.2	38.70	82.8	39.21	82.8	39.78	82.8	40.86
	-11.8	-13	87	37.38	87	38.40	86.8	39.44	86.8	40.01	86.8	40.52	86.4	41.56
	-9.8	-11	91.2	38.23	91.2	39.21	90.8	40.25	90.8	40.76	90.8	41.26	90.4	42.30
	-9.5	-10	93.6	38.70	93.2	39.67	93.2	40.63	92.8	41.16	92.8	41.67	92.8	42.58
	-8.5	-9.1	95.4	39.10	95.4	40.06	95	40.99	95	41.43	95	41.96	94	42.35
	-7	-7.6	98.8	39.72	98.8	40.63	98.4	41.60	98.4	42.07	98.4	42.52	94	40.46
	-5	-5.6	104.2	40.59	103.8	41.43	103.8	42.35	103.4	42.81	100.8	41.43	94	38.00
	-3	-3.7	109.2	41.39	109.2	42.18	108	42.35	104.2	40.69	100.8	39.04	94	35.84
80%	0	-0.7	118.2	42.58	114.8	41.50	108	38.47	104.2	36.92	100.8	35.48	94	32.57
	3	2.2	121.6	40.52	114.8	37.77	108	35.03	104.2	33.72	100.8	32.34	94	29.81
	5	4.1	121.6	38.13	114.8	35.54	108	33.02	104.2	31.70	100.8	30.56	94	28.10
	7	6	121.6	35.84	114.8	33.48	108	31.09	104.2	29.94	100.8	28.80	94	26.55
	9	7.9	121.6	33.78	114.8	31.49	108	29.31	104.2	28.27	100.8	27.18	94	25.13
	11	9.8	121.6	31.83	114.8	29.71	108	27.69	104.2	26.68	100.8	25.70	94	23.75
	13	11.8	121.6	29.94	114.8	28.05	108	26.10	104.2	25.19	100.8	24.26	94	22.43
	15	13.7	121.6	28.27	114.8	26.44	108	24.72	104.2	23.88	100.8	23.01	94	21.29
	-19.8	-20	75.8	36.75	75.4	37.83	75.4	38.91	75.4	39.44	75	40.01	75	41.03
	-18.8	-19	77	37.09	77	38.17	76.6	39.21	76.6	39.78	76.6	40.29	76.2	41.39
	-16.7	-17	80	37.83	79.6	38.87	79.6	39.89	79.6	40.42	79.6	40.93	79.2	41.90
	-13.7	-15	83.4	38.64	83	39.61	83	40.59	83	41.03	82.6	41.56	82.6	42.58
	-11.8	-13	86.8	39.38	86.8	40.35	86.4	41.26	86.4	41.73	86.4	42.24	83.8	41.09
	-9.8	-11	91	40.18	91	41.09	90.6	42.01	90.6	42.41	90	42.35	83.8	38.80
	-9.5	-10	93.4	40.59	93	41.43	93	42.35	93	42.81	90	41.09	83.8	37.66
	-8.5	-9.1	95.2	40.99	88.6	41.84	94.8	42.64	93	41.67	90	40.01	83.8	36.68

Note: TC: Total capacity, PI: Power input.

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Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	75.2	39.14	74.8	40.06	74.8	40.99	74.8	41.43	74.8	41.96	73	41.50
	-18.8	-19	76.4	39.44	76.4	40.35	76	41.26	76	41.73	76	42.24	73	40.63
	-16.7	-17	79.4	40.06	79.4	40.99	79	41.90	79	42.35	78.4	37.72	73	38.74
	-13.7	-15	82.8	40.76	82.4	41.67	82.4	42.52	81	41.90	78.4	40.18	73	36.85
	-11.8	-13	86.2	41.43	86.2	42.30	84	41.26	81	39.67	78.4	38.06	73	34.92
	-9.8	-11	90.4	42.13	89.4	42.13	84	38.97	81	37.49	78.4	36.01	73	33.02
	-9.5	-10	92.8	42.52	89.4	40.86	84	37.83	81	36.41	78.4	34.97	73	32.10
	-8.5	-9.1	94.6	42.75	89.4	39.78	84	36.85	81	35.43	78.4	34.05	73	31.30
	-7	-7.6	94.6	40.82	89.4	38.00	84	35.26	81	33.95	78.4	32.57	73	29.98
	-5	-5.6	94.6	38.34	89.4	35.77	84	33.21	81	31.87	78.4	31.72	73	28.27
	-3	-3.7	94.6	36.11	89.4	33.72	84	31.30	81	30.11	78.4	28.97	73	26.74
	0	-0.7	94.6	32.85	89.4	30.73	84	28.56	81	27.52	78.4	26.51	73	24.49
	3	2.2	94.6	30.05	89.4	28.10	84	26.21	81	25.23	78.4	24.32	73	22.50
	5	4.1	94.6	28.33	89.4	26.51	84	24.79	81	23.88	78.4	23.01	73	21.29
	7	6	94.6	26.78	89.4	25.06	84	23.41	81	22.60	78.4	21.80	73	20.21
	9	7.9	94.6	25.30	89.4	23.75	84	22.16	81	21.40	78.4	20.65	73	19.17
60%	11	9.8	94.6	23.92	89.4	22.43	84	21.01	81	20.31	78.4	19.64	73	18.19
	13	11.8	94.6	22.60	89.4	21.23	84	19.87	81	19.23	78.4	18.55	73	17.28
	15	13.7	94.6	21.46	89.4	20.14	84	18.89	81	18.26	78.4	17.62	73	16.48
	-19.8	-20	75	41.50	74.6	42.30	72	40.69	69.8	39.10	67.4	37.55	62.8	34.39
	-18.8	-19	76.2	41.77	76.2	42.58	72	39.84	69.8	38.23	67.4	36.68	62.8	33.72
	-16.7	-17	79.2	42.35	76.6	40.99	72	38.00	69.8	36.51	67.4	35.09	62.8	32.23
	-13.7	-15	81.2	41.90	76.6	38.91	72	36.11	69.8	34.73	67.4	33.38	62.8	30.68
	-11.8	-13	81.2	39.61	76.6	36.85	72	34.22	69.8	32.97	67.4	31.66	62.8	29.31
	-9.8	-11	81.2	37.43	76.6	34.86	72	32.40	69.8	31.19	67.4	29.98	62.8	27.65
	-9.5	-10	81.2	36.41	76.6	33.95	72	31.49	69.8	30.34	67.4	29.20	62.8	26.91
	-8.5	-9.1	81.2	35.43	76.6	33.02	72	30.73	69.8	29.58	67.4	28.44	62.8	26.21
	-7	-7.6	81.2	33.89	76.6	31.66	72	29.41	69.8	28.33	67.4	27.25	62.8	25.19
	-5	-5.6	81.2	31.87	76.6	29.81	72	27.76	69.8	26.74	67.4	25.76	62.8	23.81
	-3	-3.7	81.2	30.11	76.6	28.16	72	26.21	69.8	25.30	67.4	24.39	62.8	22.54
	0	-0.7	81.2	27.52	76.6	25.76	72	24.05	69.8	23.24	67.4	22.37	62.8	20.72
	3	2.2	81.2	25.23	76.6	23.69	72	22.16	69.8	21.35	67.4	20.61	62.8	19.13
50%	5	4.1	81.2	23.88	76.6	22.37	72	20.95	69.8	20.27	67.4	19.51	62.8	18.15
	7	6	81.2	22.60	76.6	21.23	72	19.87	69.8	19.17	67.4	18.55	62.8	17.22
	9	7.9	81.2	21.40	76.6	20.08	72	18.83	69.8	18.26	67.4	17.58	62.8	16.43
	11	9.8	81.2	20.31	76.6	19.13	72	17.92	69.8	17.35	67.4	16.71	62.8	15.63
	13	11.8	81.2	19.17	76.6	18.09	72	17.01	69.8	16.48	67.4	15.90	62.8	14.89
	15	13.7	81.2	18.26	76.6	17.18	72	16.20	69.8	15.69	67.4	15.16	62.8	14.19
	-19.8	-20	67.6	37.77	63.8	35.14	60	32.63	57.8	31.43	55.8	30.22	52	27.82
	-18.8	-19	67.6	36.92	63.8	34.39	60	32.00	57.8	30.79	55.8	29.58	52	27.31
	-16.7	-17	67.6	35.26	63.8	32.85	60	30.56	57.8	29.41	55.8	28.33	52	26.17
	-13.7	-15	67.6	33.55	63.8	31.30	60	29.14	57.8	28.05	55.8	27.01	52	24.96
	-11.8	-13	67.6	31.87	63.8	29.77	60	27.69	57.8	26.68	55.8	25.70	52	23.75
	-9.8	-11	67.6	30.15	63.8	28.22	60	26.27	57.8	25.30	55.8	24.39	52	22.60
	-9.5	-10	67.6	29.37	63.8	27.42	60	25.59	57.8	24.66	55.8	23.75	52	21.97
	-8.5	-9.1	67.6	28.63	63.8	26.78	60	24.96	57.8	24.09	55.8	23.24	52	21.46
	-7	-7.6	67.6	27.42	63.8	25.70	60	23.92	57.8	23.11	55.8	22.33	52	20.65
	-5	-5.6	67.6	25.87	63.8	24.26	60	22.67	57.8	21.93	55.8	21.12	52	19.57
	-3	-3.7	67.6	24.49	63.8	23.01	60	21.46	57.8	20.78	55.8	20.04	52	18.60
	0	-0.7	67.6	22.50	63.8	21.12	60	19.81	57.8	19.13	55.8	18.49	52	17.18
	3	2.2	67.6	20.72	63.8	19.47	60	18.26	57.8	17.62	55.8	17.05	52	15.90
	5	4.1	67.6	19.64	63.8	18.49	60	17.35	57.8	16.77	55.8	16.26	52	15.12
	7	6	67.6	18.66	63.8	17.58	60	16.48	57.8	15.97	55.8	15.46	52	14.42
	9	7.9	67.6	17.68	63.8	16.71	60	15.69	57.8	15.23	55.8	14.72	52	13.74
	11	9.8	67.6	16.84	63.8	15.86	60	14.93	57.8	14.48	55.8	14.02	52	13.10
	13	11.8	67.6	16.03	63.8	15.12	60	14.19	57.8	13.80	55.8	13.34	52	12.53
	15	13.7	67.6	15.23	63.8	14.42	60	13.57	57.8	13.17	55.8	12.77	52	11.96

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	54	28.71	51	26.72	48	24.79	46.2	23.88	44.6	22.96	41.6	21.14
	-18.8	-19	54	28.05	51	26.15	48	24.32	46.2	23.41	44.6	22.50	41.6	20.76
	-16.7	-17	54	26.80	51	24.96	48	23.22	46.2	22.35	44.6	21.52	41.6	19.87
	-13.7	-15	54	25.49	51	23.79	48	22.14	46.2	21.31	44.6	20.53	41.6	18.96
	-11.8	-13	54	24.24	51	22.63	48	21.06	46.2	20.27	44.6	19.53	41.6	18.05
	-9.8	-11	54	22.92	51	21.44	48	19.97	46.2	19.23	44.6	18.53	41.6	17.18
	-9.5	-10	54	22.31	51	20.84	48	19.44	46.2	18.75	44.6	18.05	41.6	16.71
	-8.5	-9.1	54	21.76	51	20.36	48	18.96	46.2	18.32	44.6	17.66	41.6	16.31
	-7	-7.6	54	20.84	51	19.53	48	18.17	46.2	17.58	44.6	16.96	41.6	15.71
	-5	-5.6	54	19.66	51	18.45	48	17.22	46.2	16.67	44.6	16.05	41.6	14.89
	-3	-3.7	54	18.62	51	17.49	48	16.31	46.2	15.80	44.6	15.23	41.6	14.14
	0	-0.7	54	17.09	51	16.05	48	15.06	46.2	14.53	44.6	14.06	41.6	13.04
	3	2.2	54	15.76	51	14.78	48	13.87	46.2	13.40	44.6	12.96	41.6	12.09
	5	4.1	54	14.93	51	14.06	48	13.19	46.2	12.74	44.6	12.36	41.6	11.49
	7	6	54	14.19	51	13.36	48	12.53	46.2	12.13	44.6	11.75	41.6	10.96
30%	9	7.9	54	13.44	51	12.70	48	11.92	46.2	11.58	44.6	11.17	41.6	10.43
	11	9.8	54	12.79	51	12.04	48	11.34	46.2	11.01	44.6	10.67	41.6	9.97
	13	11.8	54	12.17	51	11.49	48	10.79	46.2	10.48	44.6	10.14	41.6	9.52
	15	13.7	54	11.58	51	10.96	48	10.31	46.2	10.01	44.6	9.69	41.6	9.10
	-19.8	-20	40.6	21.08	38.2	19.61	36	14.57	34.6	17.54	33.4	16.86	31.2	15.52
	-18.8	-19	40.6	20.59	38.2	19.19	36	14.29	34.6	17.18	33.4	16.52	31.2	15.23
	-16.7	-17	40.6	19.68	38.2	18.34	36	13.63	34.6	16.41	33.4	15.82	31.2	14.59
	-13.7	-15	40.6	18.72	38.2	17.47	36	13.00	34.6	15.65	33.4	15.08	31.2	13.93
	-11.8	-13	40.6	17.79	38.2	16.60	36	12.36	34.6	14.89	33.4	14.33	31.2	13.25
	-9.8	-11	40.6	16.84	38.2	15.76	36	11.73	34.6	14.12	33.4	13.61	31.2	12.62
	-9.5	-10	40.6	16.39	38.2	15.29	36	11.43	34.6	13.76	33.4	13.25	31.2	12.26
	-8.5	-9.1	40.6	15.97	38.2	14.95	36	11.13	34.6	13.44	33.4	12.96	31.2	11.98
	-7	-7.6	40.6	15.29	38.2	14.33	36	10.69	34.6	12.89	33.4	12.45	31.2	11.54
	-5	-5.6	40.6	14.44	38.2	13.55	36	10.11	34.6	12.24	33.4	11.79	31.2	10.92
	-3	-3.7	40.6	13.68	38.2	12.83	36	9.58	34.6	11.60	33.4	11.17	31.2	10.37
	0	-0.7	40.6	12.55	38.2	11.79	36	8.84	34.6	10.67	33.4	10.31	31.2	9.58
20%	3	2.2	40.6	11.56	38.2	10.86	36	8.14	34.6	9.84	33.4	9.52	31.2	8.88
	5	4.1	40.6	10.96	38.2	10.31	36	7.74	34.6	9.35	33.4	9.08	31.2	8.44
	7	6	40.6	10.41	38.2	9.80	36	7.36	34.6	8.91	33.4	8.63	31.2	8.06
	9	7.9	40.6	9.86	38.2	9.33	36	7.00	34.6	8.50	33.4	8.21	31.2	7.65
	11	9.8	40.6	9.39	38.2	8.84	36	6.66	34.6	8.08	33.4	7.82	31.2	7.32
	13	11.8	40.6	8.95	38.2	8.44	36	6.34	34.6	7.70	33.4	7.44	31.2	7.00
	15	13.7	40.6	8.50	38.2	8.06	36	6.06	34.6	7.34	33.4	7.12	31.2	6.68
	-19.8	-20	27	13.59	25.6	12.66	24	11.75	23	11.30	22.4	10.88	20.8	10.01
	-18.8	-19	27	13.30	25.6	12.38	24	11.51	23	11.09	22.4	10.64	20.8	9.84
	-16.7	-17	27	12.70	25.6	11.83	24	11.01	23	10.58	22.4	10.20	20.8	9.41
	-13.7	-15	27	12.07	25.6	11.28	24	10.50	23	10.09	22.4	9.73	20.8	8.99
	-11.8	-13	27	11.47	25.6	10.71	24	9.97	23	9.61	22.4	9.25	20.8	8.55
	-9.8	-11	27	10.86	25.6	10.16	24	9.46	23	9.10	22.4	8.78	20.8	8.14
	-9.5	-10	27	10.56	25.6	9.86	24	9.20	23	8.88	22.4	8.55	20.8	7.91
	-8.5	-9.1	27	10.31	25.6	9.65	24	8.99	23	8.67	22.4	8.38	20.8	7.72
	-7	-7.6	27	9.86	25.6	9.25	24	8.61	23	8.33	22.4	8.04	20.8	7.44
	-5	-5.6	27	9.31	25.6	8.74	24	8.16	23	7.89	22.4	7.61	20.8	7.04
	-3	-3.7	27	8.82	25.6	8.29	24	7.72	23	7.49	22.4	7.21	20.8	6.70
	0	-0.7	27	8.10	25.6	7.61	24	7.12	23	6.89	22.4	6.66	20.8	6.19
	3	2.2	27	7.46	25.6	7.00	24	6.57	23	6.34	22.4	6.15	20.8	5.73
	5	4.1	27	7.06	25.6	6.66	24	6.23	23	6.04	22.4	5.85	20.8	5.45
	7	6	27	6.72	25.6	6.32	24	5.94	23	5.75	22.4	5.56	20.8	5.20
	9	7.9	27	6.36	25.6	6.02	24	5.64	23	5.47	22.4	5.30	20.8	4.94
	11	9.8	27	6.06	25.6	5.70	24	5.39	23	5.22	22.4	5.05	20.8	4.73
	13	11.8	27	5.77	25.6	5.45	24	5.11	23	4.96	22.4	4.79	20.8	4.52
	15	13.7	27	5.47	25.6	5.20	24	4.88	23	4.73	22.4	4.57	20.8	4.30

Note: TC: Total capacity, PI: Power input.

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Electrical Wiring Diagram

External Wiring Connection

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**■ TMR460ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	93.9	27.81	93.4	29.78	93.1	31.78	93.1	32.74	92.5	33.69	92.5	35.69
	-18.8	-19	95.4	28.44	94.8	30.37	94.8	32.35	94.3	33.32	94.3	34.21	93.9	36.2
	-16.7	-17	98.9	29.78	98.6	31.64	98	33.51	98	34.4	98	35.37	97.5	37.23
	-13.7	-15	103.2	31.14	102.7	32.92	102.1	34.72	102.1	35.63	101.8	36.52	101.8	38.31
	-11.8	-13	107.3	32.55	107.3	34.27	106.8	35.94	106.4	36.83	106.4	37.74	105.9	39.4
	-9.8	-11	112.3	33.95	111.9	35.63	111.4	37.23	111.4	38.06	111.4	38.89	111	40.55
	-9.5	-10	115.1	34.72	114.6	36.26	114.2	37.86	114.2	38.69	113.7	39.46	113.7	41.06
	-8.5	-9.1	117.4	35.29	116.9	36.83	116.9	38.43	116.6	39.2	116.6	39.97	116	41.57
	-7	-7.6	121.5	36.32	121.5	37.86	121	39.34	121	40.11	120.6	40.8	120.1	42.34
	-5	-5.6	127.9	37.74	127.6	39.14	127	40.55	127	41.32	126.5	41.97	126.5	43.37
	-3	-3.7	134	38.95	133.4	40.29	133.4	41.65	133.1	42.34	133.1	43.05	132.5	44.34
	0	-0.7	144.5	40.8	144.5	42.09	144.1	43.31	144.1	43.82	143.6	44.59	143.6	45.88
	3	2.2	156	42.54	155.5	43.69	155.2	44.85	155.2	45.42	155.2	46.06	154.6	47.16
	5	4.1	163.9	43.57	163.5	44.71	163.5	45.8	163	46.39	163	46.9	162.4	47.99
	7	6	172.2	44.65	171.7	45.62	171.7	46.71	171.1	47.22	171.1	47.73	164.4	48.88
	9	7.9	180.9	45.54	180.4	46.57	180.4	47.54	180.1	48.05	176.3	47.02	164.4	43.05
	11	9.8	190.2	46.45	189.7	47.4	188.8	47.99	182.4	46.13	176.3	44.2	164.4	40.55
	13	11.8	200.1	47.34	199.8	48.25	188.8	44.97	182.4	43.17	176.3	41.51	164.4	38.06
	15	13.7	209.9	48.17	200.7	45.68	188.8	42.34	182.4	40.74	176.3	39.08	164.4	35.94
120%	-19.8	-20	93.4	30.49	93.1	32.29	92.5	34.15	92.5	34.98	92.5	35.94	92	37.74
	-18.8	-19	94.8	31.07	94.3	32.86	94.3	34.66	94	35.49	94	36.46	93.4	38.25
	-16.7	-17	98.6	32.29	98	34.03	97.4	35.69	97.5	36.58	97.5	37.48	97.2	39.14
	-13.7	-15	102.7	33.57	102.1	35.23	101.8	36.83	101.8	37.74	101.8	38.51	101.2	40.17
	-11.8	-13	106.8	34.86	106.8	36.46	106.4	38	106.4	38.83	105.9	39.6	105.9	41.2
	-9.8	-11	111.9	36.2	111.4	37.66	111.4	39.2	111	39.97	111	40.68	110.5	42.22
	-9.5	-10	114.6	36.83	114.2	38.31	113.7	39.78	113.7	40.55	113.7	41.26	113.4	42.74
	-8.5	-9.1	116.9	37.41	116.6	38.83	116.6	40.29	116	41	116	41.77	115.5	43.17
	-7	-7.6	121	38.37	121	39.78	120.6	41.14	120.6	41.83	120.1	42.54	120.1	43.88
	-5	-5.6	127.6	39.6	127	40.94	126.5	42.28	126.5	42.92	126.5	43.63	126.2	44.85
	-3	-3.7	133.4	40.8	133.4	42.09	133.1	43.31	133.1	43.88	132.6	44.59	132.6	45.8
	0	-0.7	144.1	42.54	144.1	43.69	143.6	44.85	143.6	45.42	143.2	46	143.2	47.16
	3	2.2	155.5	44.14	155.2	45.17	155.2	46.25	154.6	46.83	154.6	47.34	151.4	47.08
	5	4.1	163.5	45.11	163	46.13	163	47.16	162.4	47.66	162.4	48.17	151.4	44.2
	7	6	171.7	46	171.7	46.96	171.4	47.91	168.5	47.28	163	45.36	151.4	41.57
	9	7.9	180.4	46.9	180.1	47.85	174	46.25	168.5	44.4	163	42.6	151.4	39.14
	11	9.8	189.7	47.73	185	46.9	174	43.51	168.5	41.83	163	40.11	151.4	36.89
	13	11.8	196.6	47.28	185	44.02	174	40.8	168.5	39.28	163	37.74	151.4	34.72
	15	13.7	196.6	44.53	185	41.45	174	38.51	168.5	36.97	163	35.55	151.4	32.74
110%	-19.8	-20	93.1	33.18	92.5	34.78	92	36.46	92	37.29	92.2	38.12	91.6	39.78
	-18.8	-19	94.3	33.69	94	35.29	94	36.97	94	37.74	93.4	38.57	93.4	40.23
	-16.7	-17	98	34.78	97.5	36.4	98.9	38	97.2	38.77	97.2	39.52	96.6	41.06
	-13.7	-15	102.1	36	101.8	37.48	101.2	39.02	101.2	39.78	101.2	40.55	100.9	42.03
	-11.8	-13	106.4	37.23	106.4	38.63	105.9	40.03	105.9	40.8	105.5	41.51	105.5	42.99
	-9.8	-11	111.4	38.37	111	39.78	111	41.14	110.5	41.83	110.5	42.54	110.5	43.88
	-9.5	-10	114.2	39.02	113.7	40.29	113.1	41.71	113.1	42.34	113.1	43.05	112.8	44.4
	-8.5	-9.1	116.6	39.52	116	40.8	116	42.15	115.5	42.86	115.5	43.51	115.5	39.66
	-7	-7.6	120.6	40.43	120.6	41.65	120.1	42.92	120.1	43.57	120.1	44.2	119.8	45.48
	-5	-5.6	127	41.57	126.5	42.8	126.2	43.94	126.2	44.59	126.2	45.17	125.6	46.45
	-3	-3.7	133.1	42.6	133.1	43.76	132.6	44.91	132.6	45.48	132.2	46.06	132.2	47.22
	0	-0.7	143.6	44.2	143.6	45.29	143.2	46.39	143.2	46.9	143.2	47.4	139	46.51
	3	2.2	155.2	45.68	154.6	46.65	154.6	47.66	154.3	48.11	149.1	46.13	139	42.34
	5	4.1	163	46.57	163	47.54	159.8	47.08	154.3	45.17	149.1	43.37	139	39.78
	7	6	171.1	47.4	169.9	47.73	159.8	44.2	154.3	42.48	149.1	40.8	139	37.48
	9	7.9	180.1	48.17	169.9	44.85	159.8	41.57	154.3	39.97	149.1	38.37	139	35.29
	11	9.8	180.1	45.36	169.9	42.22	159.8	39.14	154.3	37.66	149.1	36.2	139	33.32
	13	11.8	180.1	42.54	169.9	39.6	159.8	36.77	154.3	35.43	149.1	34.03	139	31.4
	15	13.7	180.1	37.74	169.9	37.35	159.8	34.72	154.3	33.44	149.1	32.15	139	29.66

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	92.5	35.81	92	37.29	92	38.83	91.6	39.6	91.6	40.29	91.1	41.83
	-18.8	-19	94	36.26	94	37.74	93.4	39.28	93.4	40.03	93.1	40.8	93.1	42.28
	-16.7	-17	97.5	37.29	97.1	38.77	97.1	40.17	96.6	40.88	96.6	41.57	96.6	43.05
	-13.7	-15	101.8	38.37	101.2	39.78	100.9	41.14	100.9	41.83	100.9	42.54	100.4	43.88
	-11.8	-13	105.9	39.52	105.9	40.8	105.5	42.09	105.5	42.8	105.5	43.43	105	44.77
	-9.8	-11	111	40.55	110.5	41.83	110.5	43.11	110.5	43.76	109.9	44.34	109.9	45.62
	-9.5	-10	113.7	41.14	113.4	42.34	113.4	43.57	112.8	44.2	112.8	44.85	112.3	46.06
	-8.5	-9.1	116	41.57	115.5	42.86	115.5	44.02	115.5	44.59	115.1	45.23	115.1	46.39
	-7	-7.6	120.1	42.4	120.1	43.57	119.8	44.71	119.8	45.36	119.8	45.88	119.2	47.08
	-5	-5.6	126.5	43.51	126.1	44.59	126.1	45.68	125.6	46.19	125.6	46.77	125.3	47.91
	-3	-3.7	132.6	44.46	132.6	40.37	132.2	46.57	132.2	47.08	132.2	47.6	126.5	45.62
	0	-0.7	143.2	45.88	143.2	46.9	142.7	47.85	140.4	47.08	135.8	45.11	126.5	41.39
	3	2.2	154.6	47.22	154.3	48.11	145	44.53	140.4	42.8	135.8	41.06	126.5	37.74
	5	4.1	162.4	48.11	154.3	45.17	145	41.83	140.4	40.29	135.8	38.69	126.5	35.55
	7	6	163.5	45.62	154.3	42.48	145	39.4	140.4	37.92	135.8	36.46	126.5	33.51
90%	9	7.9	163.5	42.86	154.3	39.97	145	37.09	140.4	35.23	135.8	34.34	126.5	31.64
	11	9.8	163.5	40.37	154.3	37.66	145	34.98	140.4	33.69	135.8	32.41	126.5	29.86
	13	11.8	163.5	37.92	154.3	35.43	145	32.92	140.4	31.72	135.8	30.55	126.5	28.18
	15	13.7	163.5	35.75	154.3	33.44	145	31.14	140.4	29.98	135.8	28.83	126.5	26.72
	-19.8	-20	91.9	38.51	91.4	39.78	91.4	41.2	91	41.83	91	42.54	91	43.88
	-18.8	-19	93.4	38.89	93.4	40.29	92.8	41.57	92.8	42.28	92.8	42.92	92.5	44.28
	-16.7	-17	96.9	39.85	96.6	41.14	96.6	42.4	96.6	43.05	96	43.69	96	44.97
	-13.7	-15	101.2	40.8	100.6	42.09	100.6	43.31	100.1	43.88	100.1	44.53	100.1	45.74
	-11.8	-13	105.3	41.83	105.3	42.99	104.7	44.14	104.7	44.77	104.7	45.36	104.4	46.51
	-9.8	-11	110.2	42.8	110.2	43.88	109.9	45.03	109.9	45.62	109.9	46.19	109.3	47.34
	-9.5	-10	113.1	43.31	112.5	44.4	112.5	45.48	112.2	46.06	112.2	46.65	112.2	47.66
	-8.5	-9.1	115.4	43.76	115.4	44.85	114.9	45.88	114.9	46.39	114.9	46.96	113.4	47.4
	-7	-7.6	119.5	44.46	119.5	45.48	118.9	46.57	118.9	47.08	118.9	47.6	113.4	45.29
	-5	-5.6	125.9	45.42	125.5	46.39	125.5	47.4	125	47.91	121.8	46.39	113.4	42.54
	-3	-3.7	131.9	46.31	131.9	47.22	130.5	47.4	125.9	45.54	121.8	43.69	113.4	40.11
	0	-0.7	143	47.66	138.9	46.45	130.5	43.05	125.9	41.32	121.8	39.72	113.4	36.46
80%	3	2.2	147	45.36	138.9	42.28	130.5	39.2	125.9	37.74	121.8	36.2	113.4	33.38
	5	4.1	147	42.66	138.9	39.78	130.5	36.97	125.9	35.49	121.8	34.21	113.4	31.46
	7	6	147	40.11	138.9	37.48	130.5	34.78	125.9	33.51	121.8	32.23	113.4	29.72
	9	7.9	147	37.8	138.9	35.23	130.5	32.8	125.9	31.64	121.8	30.43	113.4	28.12
	11	9.8	147	35.63	138.9	33.26	130.5	31.01	125.9	29.86	121.8	28.77	113.4	26.58
	13	11.8	147	33.51	138.9	31.4	130.5	29.21	125.9	28.18	121.8	27.16	113.4	25.12
	15	13.7	147	31.64	138.9	29.6	130.5	27.67	125.9	26.72	121.8	25.75	113.4	23.84
	-19.8	-20	91.6	41.14	91.1	42.34	91.1	43.57	91.1	44.14	90.7	44.77	90.7	45.94
	-18.8	-19	93.1	41.51	93.1	42.74	92.5	43.88	92.5	44.53	92.5	45.11	92	46.31
	-16.7	-17	96.6	42.34	96.3	43.51	96.3	44.65	96.3	45.23	96.3	45.8	95.7	46.9
	-13.7	-15	100.9	43.25	100.4	44.34	100.4	45.42	100.4	45.94	99.8	46.51	99.8	47.66
	-11.8	-13	105	44.08	105	45.17	104.4	46.19	104.4	46.71	104.4	47.28	101.2	46
	-9.8	-11	110	44.97	110	46	109.6	47.02	109.6	47.48	108.7	47.4	101.2	43.43
	-9.5	-10	112.8	45.42	112.3	46.39	112.3	47.4	112.3	47.91	108.7	46	101.2	42.15
	-8.5	-9.1	115.1	45.88	107	46.83	114.6	47.73	112.3	46.65	108.7	44.77	101.2	41.06
	-7	-7.6	119.2	46.51	119.2	47.4	116	46.39	112.3	44.59	108.7	42.8	101.2	39.28
	-5	-5.6	125.6	47.34	123.3	47.08	116	43.57	112.3	41.91	108.7	40.23	101.2	36.97
	-3	-3.7	130.8	47.6	123.3	44.34	116	41.06	112.3	39.52	108.7	37.92	101.2	34.92
	0	-0.7	130.8	43.17	123.3	40.23	116	37.35	112.3	35.94	108.7	34.52	101.2	31.84
	3	2.2	130.8	39.34	123.3	36.71	116	34.15	112.3	32.86	108.7	31.64	101.2	29.15
	5	4.1	130.8	37.03	123.3	34.6	116	32.15	112.3	31.01	108.7	29.86	101.2	27.55
	7	6	130.8	34.92	123.3	32.67	116	30.37	112.3	29.35	108.7	28.26	101.2	26.07
	9	7.9	130.8	32.92	123.3	30.81	116	28.7	112.3	27.67	108.7	26.72	101.2	24.73
	11	9.8	130.8	31.14	123.3	29.09	116	27.16	112.3	26.21	108.7	25.3	101.2	23.44
	13	11.8	130.8	29.35	123.3	27.49	116	25.69	112.3	24.79	108.7	23.9	101.2	22.16
	15	13.7	130.8	27.75	123.3	26.07	116	24.35	112.3	23.52	108.7	22.67	101.2	21.07

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	91	43.82	90.5	44.85	90.5	45.88	90.5	46.39	90.5	46.96	88.2	46.45
	-18.8	-19	92.3	44.14	92.3	45.17	91.9	46.19	91.9	46.71	91.9	47.28	88.2	45.48
	-16.7	-17	96	44.85	96	45.88	95.5	46.9	95.5	47.4	94.6	42.22	88.2	43.37
	-13.7	-15	100.1	45.62	99.7	46.65	99.7	47.6	97.8	46.9	94.6	44.97	88.2	41.26
	-11.8	-13	104.2	46.39	104.2	47.34	101.5	46.19	97.8	44.4	94.6	42.6	88.2	39.08
	-9.8	-11	109.3	47.16	107.9	47.16	101.5	43.63	97.8	41.97	94.6	40.29	88.2	36.97
	-9.5	-10	112	47.6	107.9	45.74	101.5	42.34	97.8	40.74	94.6	39.14	88.2	35.94
	-8.5	-9.1	114.3	47.85	107.9	44.53	101.5	41.26	97.8	39.66	94.6	38.12	88.2	35.04
	-7	-7.6	114.3	45.68	107.9	42.54	101.5	39.46	97.8	38	94.6	36.46	88.2	33.57
	-5	-5.6	114.3	42.92	107.9	40.03	101.5	37.15	97.8	35.69	94.6	42.22	88.2	31.64
	-3	-3.7	114.3	40.43	107.9	37.74	101.5	35.04	97.8	33.69	94.6	32.41	88.2	29.92
	0	-0.7	114.3	36.77	107.9	34.4	101.5	31.97	97.8	30.81	94.6	29.66	88.2	27.41
	3	2.2	114.3	33.63	107.9	31.46	101.5	29.35	97.8	28.26	94.6	27.23	88.2	25.18
	5	4.1	114.3	31.72	107.9	29.66	101.5	27.75	97.8	26.72	94.6	25.75	88.2	23.84
	7	6	114.3	29.98	107.9	28.06	101.5	26.21	97.8	25.3	94.6	24.41	88.2	22.61
	9	7.9	114.3	28.32	107.9	26.58	101.5	24.79	97.8	23.96	94.6	23.13	88.2	21.47
	11	9.8	114.3	26.78	107.9	25.12	101.5	23.52	97.8	22.75	94.6	21.98	88.2	20.38
	13	11.8	114.3	25.3	107.9	23.76	101.5	22.24	97.8	21.53	94.6	20.76	88.2	19.35
	15	13.7	114.3	24.02	107.9	22.55	101.5	21.13	97.8	20.44	94.6	19.73	88.2	18.45
60%	-19.8	-20	90.8	46.45	90.2	47.34	87	45.54	84.4	43.76	81.5	42.03	76	38.51
	-18.8	-19	92	46.77	92	47.66	87	44.59	84.4	42.8	81.5	41.06	76	37.74
	-16.7	-17	95.7	47.4	92.5	45.88	87	42.54	84.4	40.88	81.5	39.28	76	36.06
	-13.7	-15	98	46.9	92.5	43.57	87	40.43	84.4	38.89	81.5	37.35	76	34.34
	-11.8	-13	98	44.34	92.5	41.26	87	38.31	84.4	36.89	81.5	35.43	76	32.8
	-9.8	-11	98	41.91	92.5	39.02	87	36.26	84.4	34.92	81.5	33.57	76	30.95
	-9.5	-10	98	40.74	92.5	38	87	35.23	84.4	33.95	81.5	32.67	76	30.12
	-8.5	-9.1	98	39.66	92.5	36.97	87	34.4	84.4	33.12	81.5	31.84	76	29.35
	-7	-7.6	98	37.92	92.5	35.43	87	32.92	84.4	31.72	81.5	30.49	76	28.18
	-5	-5.6	98	35.69	92.5	33.38	87	31.07	84.4	29.92	81.5	28.83	76	26.64
	-3	-3.7	98	33.69	92.5	31.52	87	29.35	84.4	28.32	81.5	27.29	76	25.24
	0	-0.7	98	30.81	92.5	28.83	87	26.9	84.4	26.01	81.5	25.04	76	23.19
	3	2.2	98	28.26	92.5	26.52	87	24.79	84.4	23.9	81.5	23.07	76	21.39
	5	4.1	98	26.72	92.5	25.04	87	23.44	84.4	22.67	81.5	21.84	76	20.3
	7	6	98	25.3	92.5	23.76	87	22.24	84.4	21.47	81.5	20.76	76	19.28
	9	7.9	98	23.96	92.5	22.49	87	21.07	84.4	20.44	81.5	19.67	76	18.39
	11	9.8	98	22.75	92.5	21.39	87	20.05	84.4	19.41	81.5	18.7	76	17.5
	13	11.8	98	21.47	92.5	20.24	87	19.02	84.4	18.45	81.5	17.81	76	16.65
	15	13.7	98	20.44	92.5	19.22	87	18.13	84.4	17.56	81.5	16.98	76	15.88
50%	-19.8	-20	81.8	42.28	77.1	39.34	72.5	36.52	69.9	35.17	67.5	33.83	62.9	31.14
	-18.8	-19	81.8	41.32	77.1	38.51	72.5	35.81	69.9	34.46	67.5	33.12	62.9	30.55
	-16.7	-17	81.8	39.46	77.1	36.77	72.5	34.21	69.9	32.92	67.5	31.72	62.9	29.27
	-13.7	-15	81.8	37.54	77.1	35.04	72.5	32.61	69.9	31.4	67.5	30.24	62.9	27.93
	-11.8	-13	81.8	35.69	77.1	33.32	72.5	31.01	69.9	29.86	67.5	28.77	62.9	26.58
	-9.8	-11	81.8	33.77	77.1	31.58	72.5	29.41	69.9	28.32	67.5	27.29	62.9	25.3
	-9.5	-10	81.8	32.86	77.1	30.69	72.5	28.64	69.9	27.61	67.5	26.58	62.9	24.61
	-8.5	-9.1	81.8	32.03	77.1	29.98	72.5	27.93	69.9	26.98	67.5	26.01	62.9	24.02
	-7	-7.6	81.8	30.69	77.1	28.77	72.5	26.78	69.9	25.89	67.5	24.98	62.9	23.13
	-5	-5.6	81.8	28.95	77.1	27.16	72.5	25.38	69.9	24.53	67.5	23.64	62.9	21.9
	-3	-3.7	81.8	27.41	77.1	25.75	72.5	24.02	69.9	23.26	67.5	22.42	62.9	20.82
	0	-0.7	81.8	25.18	77.1	23.64	72.5	22.16	69.9	21.39	67.5	20.7	62.9	19.22
	3	2.2	81.8	23.19	77.1	21.78	72.5	20.44	69.9	19.73	67.5	19.1	62.9	17.81
	5	4.1	81.8	21.98	77.1	20.7	72.5	19.41	69.9	18.76	67.5	18.19	62.9	16.91
	7	6	81.8	20.89	77.1	19.67	72.5	18.45	69.9	17.87	67.5	17.3	62.9	16.14
	9	7.9	81.8	19.79	77.1	18.7	72.5	17.56	69.9	17.04	67.5	16.47	62.9	15.38
	11	9.8	81.8	18.84	77.1	17.75	72.5	16.73	69.9	16.21	67.5	15.7	62.9	14.67
	13	11.8	81.8	17.93	77.1	16.91	72.5	15.88	69.9	15.44	67.5	14.93	62.9	14.02
	15	13.7	81.8	17.04	77.1	16.14	72.5	15.19	69.9	14.73	67.5	14.28	62.9	13.39

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	65.3	32.14	61.7	29.89	58	27.75	55.7	26.73	53.9	25.7	50.2	23.67
	-18.8	-19	65.3	31.41	61.7	29.26	58	27.21	55.7	26.19	53.9	25.18	50.2	23.22
	-16.7	-17	65.3	30	61.7	27.95	58	26.01	55.7	25.04	53.9	24.1	50.2	22.24
	-13.7	-15	65.3	28.53	61.7	26.64	58	24.78	55.7	23.87	53.9	22.98	50.2	21.24
	-11.8	-13	65.3	27.12	61.7	25.32	58	23.56	55.7	22.7	53.9	21.87	50.2	20.21
	-9.8	-11	65.3	25.66	61.7	24.01	58	22.35	55.7	21.53	53.9	20.73	50.2	19.24
	-9.5	-10	65.3	24.98	61.7	23.32	58	21.76	55.7	20.98	53.9	20.21	50.2	18.7
	-8.5	-9.1	65.3	24.35	61.7	22.78	58	21.24	55.7	20.5	53.9	19.76	50.2	18.27
	-7	-7.6	65.3	23.32	61.7	21.87	58	20.36	55.7	19.67	53.9	18.99	50.2	17.58
	-5	-5.6	65.3	22.01	61.7	20.64	58	19.27	55.7	18.64	53.9	17.96	50.2	16.65
	-3	-3.7	65.3	20.84	61.7	19.58	58	18.27	55.7	17.67	53.9	17.04	50.2	15.82
	0	-0.7	65.3	19.13	61.7	17.96	58	16.85	55.7	16.27	53.9	15.73	50.2	14.61
	3	2.2	65.3	17.62	61.7	16.56	58	15.53	55.7	14.99	53.9	14.51	50.2	13.53
	5	4.1	65.3	16.7	61.7	15.73	58	14.76	55.7	14.27	53.9	13.82	50.2	12.85
	7	6	65.3	15.87	61.7	14.96	58	14.02	55.7	13.59	53.9	13.14	50.2	12.27
30%	9	7.9	65.3	15.05	61.7	14.22	58	13.34	55.7	12.96	53.9	12.51	50.2	11.68
	11	9.8	65.3	14.31	61.7	13.48	58	12.71	55.7	12.31	53.9	11.93	50.2	11.16
	13	11.8	65.3	13.64	61.7	12.85	58	12.08	55.7	11.73	53.9	11.34	50.2	10.65
	15	13.7	65.3	12.96	61.7	12.27	58	11.54	55.7	11.19	53.9	10.85	50.2	10.17
	-19.8	-20	49	23.59	46.2	21.95	43.5	16.3	41.8	19.62	40.6	18.87	37.7	17.38
	-18.8	-19	49	23.07	46.2	21.49	43.5	15.99	41.8	19.24	40.6	18.48	37.7	17.05
	-16.7	-17	49	22.02	46.2	20.53	43.5	15.27	41.8	18.38	40.6	17.7	37.7	16.33
	-13.7	-15	49	20.95	46.2	19.56	43.5	14.56	41.8	17.53	40.6	16.87	37.7	15.59
	-11.8	-13	49	19.9	46.2	18.59	43.5	13.85	41.8	16.65	40.6	16.05	37.7	14.84
	-9.8	-11	49	18.84	46.2	17.62	43.5	13.13	41.8	15.79	40.6	15.22	37.7	14.13
	-9.5	-10	49	18.33	46.2	17.13	43.5	12.79	41.8	15.41	40.6	14.84	37.7	13.73
	-8.5	-9.1	49	17.87	46.2	16.73	43.5	12.47	41.8	15.05	40.6	14.51	37.7	13.41
	-7	-7.6	49	17.13	46.2	16.05	43.5	11.96	41.8	14.45	40.6	13.94	37.7	12.9
	-5	-5.6	49	16.16	46.2	15.16	43.5	11.33	41.8	13.7	40.6	13.19	37.7	12.22
	-3	-3.7	49	15.3	46.2	14.36	43.5	10.73	41.8	12.99	40.6	12.51	37.7	11.62
	0	-0.7	49	14.05	46.2	13.19	43.5	9.9	41.8	11.94	40.6	11.54	37.7	10.73
20%	3	2.2	49	12.94	46.2	12.16	43.5	9.13	41.8	11.02	40.6	10.65	37.7	9.94
	5	4.1	49	12.25	46.2	11.54	43.5	8.68	41.8	10.48	40.6	10.16	37.7	9.45
	7	6	49	11.65	46.2	10.97	43.5	8.23	41.8	9.97	40.6	9.65	37.7	9.02
	9	7.9	49	11.05	46.2	10.45	43.5	7.83	41.8	9.51	40.6	9.19	37.7	8.59
	11	9.8	49	10.51	46.2	9.91	43.5	7.46	41.8	9.05	40.6	8.76	37.7	8.19
	13	11.8	49	10.02	46.2	9.45	43.5	7.08	41.8	8.62	40.6	8.33	37.7	7.82
	15	13.7	49	9.51	46.2	9.02	43.5	6.77	41.8	8.22	40.6	7.97	37.7	7.48
	-19.8	-20	32.7	15.22	30.8	14.16	29	13.14	27.9	12.65	27	12.19	25.2	11.22
	-18.8	-19	32.7	14.88	30.8	13.85	29	12.9	27.9	12.42	27	11.93	25.2	10.99
	-16.7	-17	32.7	14.21	30.8	13.24	29	12.31	27.9	11.85	27	11.42	25.2	10.54
	-13.7	-15	32.7	13.51	30.8	12.62	29	11.74	27.9	11.3	27	10.88	25.2	10.05
	-11.8	-13	32.7	12.85	30.8	11.99	29	11.16	27.9	10.74	27	10.36	25.2	9.57
	-9.8	-11	32.7	12.16	30.8	11.37	29	10.59	27.9	10.19	27	9.82	25.2	9.11
	-9.5	-10	32.7	11.82	30.8	11.05	29	10.31	27.9	9.94	27	9.57	25.2	8.85
	-8.5	-9.1	32.7	11.53	30.8	10.79	29	10.05	27.9	9.71	27	9.36	25.2	8.65
	-7	-7.6	32.7	11.05	30.8	10.36	29	9.65	27.9	9.31	27	8.99	25.2	8.33
	-5	-5.6	32.7	10.42	30.8	9.79	29	9.14	27.9	8.83	27	8.51	25.2	7.88
	-3	-3.7	32.7	9.88	30.8	9.28	29	8.65	27.9	8.37	27	8.08	25.2	7.5
	0	-0.7	32.7	9.05	30.8	8.51	29	7.99	27.9	7.71	27	7.45	25.2	6.91
	3	2.2	32.7	8.34	30.8	7.85	29	7.36	27.9	7.11	27	6.88	25.2	6.42
	5	4.1	32.7	7.91	30.8	7.45	29	6.99	27.9	6.76	27	6.54	25.2	6.08
	7	6	32.7	7.51	30.8	7.08	29	6.65	27.9	6.43	27	6.22	25.2	5.82
	9	7.9	32.7	7.13	30.8	6.74	29	6.31	27.9	6.14	27	5.94	25.2	5.54
	11	9.8	32.7	6.77	30.8	6.39	29	6.02	27.9	5.83	27	5.65	25.2	5.28
	13	11.8	32.7	6.45	30.8	6.08	29	5.71	27.9	5.56	27	5.37	25.2	5.05
	15	13.7	32.7	6.14	30.8	5.82	29	5.46	27.9	5.31	27	5.14	25.2	4.82

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR480ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	97.2	29.22	96.6	31.29	96.3	33.39	96.3	34.41	95.7	35.4	95.7	37.5
	-18.8	-19	98.7	29.88	98.1	31.92	98.1	33.99	97.5	35.01	97.5	35.94	97.2	38.04
	-16.7	-17	102.3	31.29	102	33.24	101.4	35.22	101.4	36.15	101.4	37.17	100.8	39.12
	-13.7	-15	106.8	32.73	106.2	34.59	105.6	36.48	105.6	37.44	105.3	38.37	105.3	40.26
	-11.8	-13	111	34.2	111	36	110.4	37.77	110.1	38.7	110.1	39.66	109.5	41.4
	-9.8	-11	116.1	35.67	115.8	37.44	115.2	39.12	115.2	39.99	115.2	40.86	114.9	42.6
	-9.5	-10	119.1	36.48	118.5	38.1	118.2	39.78	118.2	40.65	117.6	41.46	117.6	43.14
	-8.5	-9.1	121.5	37.08	120.9	38.7	120.9	40.38	120.6	41.19	120.6	42	120	43.68
	-7	-7.6	125.7	38.16	125.7	39.78	125.1	41.34	125.1	42.15	124.8	42.87	124.2	44.49
	-5	-5.6	132.3	39.66	132	41.13	131.4	42.6	131.4	43.41	130.8	44.1	130.8	45.57
	-3	-3.7	138.6	40.92	138	42.33	138	43.77	137.7	44.49	137.7	45.24	137.1	46.59
	0	-0.7	149.4	42.87	149.4	44.22	149.1	45.51	149.1	46.05	148.5	46.86	148.5	48.21
	3	2.2	161.4	44.7	160.8	45.9	160.5	47.13	160.5	47.73	160.5	48.39	159.9	49.56
	5	4.1	169.5	45.78	169.2	46.98	169.2	48.12	168.6	48.75	168.6	49.29	168	50.43
	7	6	178.2	46.92	177.6	47.94	177.6	49.08	177	49.62	177	50.16	170.1	48.21
	9	7.9	187.2	47.85	186.6	48.93	186.6	49.95	186.3	50.49	182.4	49.41	170.1	45.24
	11	9.8	196.8	48.81	196.2	49.8	195.3	50.43	188.7	48.48	182.4	46.44	170.1	42.6
120%	13	11.8	207	49.74	206.7	50.7	195.3	47.25	188.7	45.36	182.4	43.62	170.1	39.99
	15	13.7	217.2	50.61	207.6	48	195.3	44.49	188.7	42.81	182.4	41.07	170.1	37.77
	-19.8	-20	96.6	32.04	96.3	33.93	95.7	35.88	95.7	36.75	95.7	37.77	95.1	39.66
	-18.8	-19	98.1	32.64	97.5	34.53	97.5	36.42	97.2	37.29	97.2	38.31	96.6	40.2
	-16.7	-17	102	33.93	101.4	35.76	100.8	37.5	100.8	38.43	100.8	39.39	100.5	41.13
	-13.7	-15	106.2	35.28	105.6	37.02	105.3	38.7	105.3	39.66	105.3	40.47	104.7	42.21
	-11.8	-13	110.4	36.63	110.4	38.31	110.1	39.93	110.1	40.8	109.5	41.61	109.5	43.29
	-9.8	-11	115.8	38.04	115.2	39.57	115.2	41.19	114.9	42	114.9	42.75	114.3	44.37
	-9.5	-10	118.5	38.7	118.2	40.26	117.6	41.79	117.6	42.6	117.6	43.35	117.3	44.91
	-8.5	-9.1	120.9	39.3	120.6	40.8	120.6	42.33	120	43.08	120	43.89	119.4	45.36
	-7	-7.6	125.1	40.32	125.1	41.79	124.8	43.23	124.8	43.95	124.2	44.7	124.2	46.11
	-5	-5.6	132	41.61	131.4	43.02	130.8	44.43	130.8	45.09	130.8	45.84	130.5	47.13
	-3	-3.7	138	42.87	138	44.22	137.7	45.51	137.7	46.11	137.1	46.86	137.1	48.12
	0	-0.7	149.1	44.7	149.1	45.9	148.5	47.13	148.5	47.73	148.2	48.33	148.2	49.56
	3	2.2	160.8	46.38	160.5	47.46	160.5	48.6	159.9	49.2	159.9	49.74	156.6	49.47
	5	4.1	169.2	47.4	168.6	48.48	168.6	49.56	168	50.07	168	50.61	156.6	46.44
	7	6	177.6	48.33	177.6	49.35	177.3	50.34	174.3	49.68	168.6	47.67	156.6	43.68
110%	9	7.9	186.6	49.29	186.3	50.28	180	48.6	174.3	46.65	168.6	44.76	156.6	41.13
	11	9.8	196.2	50.16	191.4	49.29	180	45.72	174.3	43.95	168.6	42.15	156.6	38.76
	13	11.8	203.4	49.68	191.4	46.26	180	42.87	174.3	41.28	168.6	39.66	156.6	36.48
	15	13.7	203.4	46.8	191.4	43.56	180	40.47	174.3	38.85	168.6	37.35	156.6	34.41
	-19.8	-20	96.3	34.86	95.7	36.54	95.1	38.31	95.1	39.18	95.4	40.05	94.8	41.79
	-18.8	-19	97.5	35.4	97.2	37.08	97.2	38.85	97.2	39.66	96.6	40.53	96.6	42.27
	-16.7	-17	101.4	36.54	100.8	38.25	102.3	39.93	100.5	40.74	100.5	41.52	99.9	43.14
	-13.7	-15	105.6	37.83	105.3	39.39	104.7	41.01	104.7	41.79	104.7	42.6	104.4	44.16
	-11.8	-13	110.1	39.12	110.1	40.59	109.5	42.06	109.5	42.87	109.2	43.62	109.2	45.18
	-9.8	-11	115.2	40.32	114.9	41.79	114.9	43.23	114.3	43.95	114.3	44.7	114.3	46.11
	-9.5	-10	118.2	41.01	117.6	42.33	117	43.83	117	44.49	117	45.24	116.7	46.65
	-8.5	-9.1	120.6	41.52	120	42.87	120	44.28	119.4	45.03	119.4	45.72	119.4	47.16
	-7	-7.6	124.8	42.48	124.8	43.77	124.2	45.09	124.2	45.78	124.2	46.44	123.9	47.79
	-5	-5.6	131.4	43.68	130.8	44.97	130.5	46.17	130.5	46.86	130.5	47.46	129.9	48.81
	-3	-3.7	137.7	44.76	137.7	45.99	137.1	47.19	137.1	47.79	136.8	48.39	136.8	49.62
	0	-0.7	148.5	46.44	148.5	47.58	148.2	48.75	148.2	49.29	148.2	49.8	143.7	48.87
	3	2.2	160.5	48	159.9	49.02	159.9	50.07	159.6	50.55	154.2	48.48	143.7	44.49
	5	4.1	168.6	48.93	168.6	49.95	165.3	49.47	159.6	47.46	154.2	45.57	143.7	41.79
	7	6	177	49.8	175.8	50.16	165.3	46.44	159.6	44.64	154.2	42.87	143.7	39.39
	9	7.9	186.3	50.61	175.8	47.13	165.3	43.68	159.6	42	154.2	40.32	143.7	37.08
	11	9.8	186.3	47.67	175.8	44.37	165.3	41.13	159.6	39.57	154.2	38.04	143.7	35.01
	13	11.8	186.3	44.7	175.8	41.61	165.3	38.64	159.6	37.23	154.2	35.76	143.7	33
	15	13.7	186.3	39.66	175.8	39.24	165.3	36.48	159.6	35.13	154.2	33.78	143.7	31.17

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	95.7	37.62	95.1	39.18	95.1	40.8	94.8	41.61	94.8	42.33	94.2	43.95
	-18.8	-19	97.2	38.1	97.2	39.66	96.6	41.28	96.6	42.06	96.3	42.87	96.3	44.43
	-16.7	-17	100.8	39.18	100.5	40.74	100.5	42.21	99.9	42.96	99.9	43.68	99.9	45.24
	-13.7	-15	105.3	40.32	104.7	41.79	104.4	43.23	104.4	43.95	104.4	44.7	103.8	46.11
	-11.8	-13	109.5	41.52	109.5	42.87	109.2	44.22	109.2	44.97	109.2	45.63	108.6	47.04
	-9.8	-11	114.9	42.6	114.3	43.95	114.3	45.3	114.3	45.99	113.7	46.59	113.7	47.94
	-9.5	-10	117.6	43.23	117.3	44.49	117.3	45.78	116.7	46.44	116.7	47.13	116.1	48.39
	-8.5	-9.1	120	43.68	119.4	45.03	119.4	46.26	119.4	46.86	119.1	47.52	119.1	48.75
	-7	-7.6	124.2	44.55	124.2	45.78	123.9	46.98	123.9	47.67	123.9	48.21	123.3	49.47
	-5	-5.6	130.8	45.72	130.5	46.86	130.5	48	129.9	48.54	129.9	49.14	129.6	50.34
	-3	-3.7	137.1	46.71	137.1	47.42	136.8	48.93	136.8	49.47	136.8	50.01	130.8	47.94
	0	-0.7	148.2	48.21	148.2	49.29	147.6	50.28	145.2	49.47	140.4	47.4	130.8	43.5
	3	2.2	159.9	49.62	159.6	50.55	150	46.8	145.2	44.97	140.4	43.14	130.8	39.66
	5	4.1	168	50.55	159.6	47.46	150	43.95	145.2	42.33	140.4	40.65	130.8	37.35
	7	6	169.2	47.94	159.6	44.64	150	41.4	145.2	39.84	140.4	38.31	130.8	35.22
	9	7.9	169.2	45.03	159.6	42	150	38.97	145.2	37.02	140.4	36.09	130.8	33.24
90%	11	9.8	169.2	42.42	159.6	39.57	150	36.75	145.2	35.4	140.4	34.05	130.8	31.38
	13	11.8	169.2	39.84	159.6	37.23	150	34.59	145.2	33.33	140.4	32.1	130.8	29.61
	15	13.7	169.2	37.56	159.6	35.13	150	32.73	145.2	31.5	140.4	30.3	130.8	28.08
	-19.8	-20	95.1	40.47	94.5	41.79	94.5	43.29	94.2	43.95	94.2	44.7	94.2	46.11
	-18.8	-19	96.6	40.86	96.6	42.33	96	43.68	96	44.43	96	45.09	95.7	46.53
	-16.7	-17	100.2	41.88	99.9	43.23	99.9	44.55	99.9	45.24	99.3	45.9	99.3	47.25
	-13.7	-15	104.7	42.87	104.1	44.22	104.1	45.51	103.5	46.11	103.5	46.8	103.5	48.06
	-11.8	-13	108.9	43.95	108.9	45.18	108.3	46.38	108.3	47.04	108.3	47.67	108	48.87
	-9.8	-11	114	44.97	114	46.11	113.7	47.31	113.7	47.94	113.7	48.54	113.1	49.74
	-9.5	-10	117	45.51	116.4	46.65	116.4	47.79	116.1	48.39	116.1	49.02	116.1	50.07
	-8.5	-9.1	119.4	45.99	119.4	47.13	118.8	48.21	118.8	48.75	118.8	49.35	117.3	49.8
	-7	-7.6	123.6	46.71	123.6	47.79	123	48.93	123	49.47	123	50.01	117.3	47.58
	-5	-5.6	130.2	47.73	129.9	48.75	129.9	49.8	129.3	50.34	126	48.75	117.3	44.7
	-3	-3.7	136.5	48.66	136.5	49.62	135	49.8	130.2	47.85	126	45.9	117.3	42.15
	0	-0.7	147.9	50.07	143.7	48.81	135	45.24	130.2	43.41	126	41.73	117.3	38.31
	3	2.2	152.1	47.67	143.7	44.43	135	41.19	130.2	39.66	126	38.04	117.3	35.07
	5	4.1	152.1	44.82	143.7	41.79	135	38.85	130.2	37.29	126	35.94	117.3	33.06
80%	7	6	152.1	42.15	143.7	39.39	135	36.54	130.2	35.22	126	33.87	117.3	31.23
	9	7.9	152.1	39.72	143.7	37.02	135	34.47	130.2	33.24	126	31.98	117.3	29.55
	11	9.8	152.1	37.44	143.7	34.95	135	32.58	130.2	31.38	126	30.24	117.3	27.93
	13	11.8	152.1	35.22	143.7	33	135	30.69	130.2	29.61	126	28.53	117.3	26.4
	15	13.7	152.1	33.24	143.7	31.11	135	29.07	130.2	28.08	126	27.06	117.3	25.05
	-19.8	-20	94.8	43.23	94.2	44.49	94.2	45.78	94.2	46.38	93.9	47.04	93.9	48.27
	-18.8	-19	96.3	43.62	96.3	44.91	95.7	46.11	95.7	46.8	95.7	47.4	95.1	48.66
	-16.7	-17	99.9	44.49	99.6	45.72	99.6	46.92	99.6	47.52	99.6	48.12	99	49.29
	-13.7	-15	104.4	45.45	103.8	46.59	103.8	47.73	103.8	48.27	103.2	48.87	103.2	50.07
	-11.8	-13	108.6	46.32	108.6	47.46	108	48.54	108	49.08	108	49.68	104.7	48.33
	-9.8	-11	113.7	47.25	113.7	48.33	113.4	49.41	113.4	49.89	112.5	49.8	104.7	45.63
	-9.5	-10	116.7	47.73	116.1	48.75	116.1	49.8	116.1	50.34	112.5	48.33	104.7	44.28
	-8.5	-9.1	119.1	48.21	110.7	49.2	118.5	50.16	116.1	49.02	112.5	47.04	104.7	43.14
	-7	-7.6	123.3	48.87	123.3	49.8	120	48.75	116.1	46.86	112.5	44.97	104.7	41.28
	-5	-5.6	129.9	49.74	127.5	49.47	120	45.78	116.1	44.04	112.5	42.27	104.7	38.85
	-3	-3.7	135.3	50.01	127.5	46.59	120	43.14	116.1	41.52	112.5	39.84	104.7	36.69
	0	-0.7	135.3	45.36	127.5	42.27	120	39.24	116.1	37.77	112.5	36.27	104.7	33.45
	3	2.2	135.3	41.34	127.5	38.58	120	35.88	116.1	34.53	112.5	33.24	104.7	30.63
	5	4.1	135.3	38.91	127.5	36.36	120	33.78	116.1	32.58	112.5	31.38	104.7	28.95
	7	6	135.3	36.69	127.5	34.32	120	31.92	116.1	30.84	112.5	29.7	104.7	27.39
	9	7.9	135.3	34.59	127.5	32.37	120	30.15	116.1	29.07	112.5	28.08	104.7	25.98
	11	9.8	135.3	32.73	127.5	30.57	120	28.53	116.1	27.54	112.5	26.58	104.7	24.63
	13	11.8	135.3	30.84	127.5	28.89	120	27	116.1	26.04	112.5	25.11	104.7	23.28
	15	13.7	135.3	29.16	127.5	27.39	120	25.59	116.1	24.72	112.5	23.82	104.7	22.14

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	94.2	46.05	93.6	47.13	93.6	48.21	93.6	48.75	93.6	49.35	91.2	48.81
	-18.8	-19	95.4	46.38	95.4	47.46	95.1	48.54	95.1	49.08	95.1	49.68	91.2	47.79
	-16.7	-17	99.3	47.13	99.3	48.21	98.7	49.29	98.7	49.8	97.8	44.37	91.2	45.57
	-13.7	-15	103.5	47.94	103.2	49.02	103.2	50.01	101.1	49.29	97.8	47.25	91.2	43.35
	-11.8	-13	107.7	48.75	107.7	49.74	105	48.54	101.1	46.65	97.8	44.76	91.2	41.07
	-9.8	-11	113.1	49.56	111.6	49.56	105	45.84	101.1	44.1	97.8	42.33	91.2	38.85
	-9.5	-10	115.8	50.01	111.6	48.06	105	44.49	101.1	42.81	97.8	41.13	91.2	37.77
	-8.5	-9.1	118.2	50.28	111.6	46.8	105	43.35	101.1	41.67	97.8	40.05	91.2	36.81
	-7	-7.6	118.2	48	111.6	44.7	105	41.46	101.1	39.93	97.8	38.31	91.2	35.28
	-5	-5.6	118.2	45.09	111.6	42.06	105	39.03	101.1	37.5	97.8	44.37	91.2	33.24
	-3	-3.7	118.2	42.48	111.6	39.66	105	36.81	101.1	35.4	97.8	34.05	91.2	31.44
	0	-0.7	118.2	38.64	111.6	36.15	105	33.6	101.1	32.37	97.8	31.17	91.2	28.8
	3	2.2	118.2	35.34	111.6	33.06	105	30.84	101.1	29.7	97.8	28.62	91.2	26.46
	5	4.1	118.2	33.33	111.6	31.17	105	29.16	101.1	28.08	97.8	27.06	91.2	25.05
	7	6	118.2	31.5	111.6	29.49	105	27.54	101.1	26.58	97.8	25.65	91.2	23.76
	9	7.9	118.2	29.76	111.6	27.93	105	26.04	101.1	25.17	97.8	24.3	91.2	22.56
60%	11	9.8	118.2	28.14	111.6	26.4	105	24.72	101.1	23.91	97.8	23.1	91.2	21.42
	13	11.8	118.2	26.58	111.6	24.96	105	23.37	101.1	22.62	97.8	21.81	91.2	20.34
	15	13.7	118.2	25.23	111.6	23.7	105	22.2	101.1	21.48	97.8	20.73	91.2	19.38
	-19.8	-20	93.9	48.81	93.3	49.74	90	47.85	87.3	45.99	84.3	44.16	78.6	40.47
	-18.8	-19	95.1	49.14	95.1	50.07	90	46.86	87.3	44.97	84.3	43.14	78.6	39.66
	-16.7	-17	99	49.8	95.7	48.21	90	44.7	87.3	42.96	84.3	41.28	78.6	37.89
	-13.7	-15	101.4	49.29	95.7	45.78	90	42.48	87.3	40.86	84.3	39.24	78.6	36.09
	-11.8	-13	101.4	46.59	95.7	43.35	90	40.26	87.3	38.76	84.3	37.23	78.6	34.47
	-9.8	-11	101.4	44.04	95.7	41.01	90	38.1	87.3	36.69	84.3	35.28	78.6	32.52
	-9.5	-10	101.4	42.81	95.7	39.93	90	37.02	87.3	35.67	84.3	34.32	78.6	31.65
	-8.5	-9.1	101.4	41.67	95.7	38.85	90	36.15	87.3	34.8	84.3	33.45	78.6	30.84
	-7	-7.6	101.4	39.84	95.7	37.23	90	34.59	87.3	33.33	84.3	32.04	78.6	29.61
	-5	-5.6	101.4	37.5	95.7	35.07	90	32.64	87.3	31.44	84.3	30.3	78.6	27.99
	-3	-3.7	101.4	35.4	95.7	33.12	90	30.84	87.3	29.76	84.3	28.68	78.6	26.52
	0	-0.7	101.4	32.37	95.7	30.3	90	28.26	87.3	27.33	84.3	26.31	78.6	24.36
	3	2.2	101.4	29.7	95.7	27.87	90	26.04	87.3	25.11	84.3	24.24	78.6	22.47
50%	5	4.1	101.4	28.08	95.7	26.31	90	24.63	87.3	23.82	84.3	22.95	78.6	21.33
	7	6	101.4	26.58	95.7	24.96	90	23.37	87.3	22.56	84.3	21.81	78.6	20.25
	9	7.9	101.4	25.17	95.7	23.64	90	22.14	87.3	21.48	84.3	20.67	78.6	19.32
	11	9.8	101.4	23.91	95.7	22.47	90	21.06	87.3	20.4	84.3	19.65	78.6	18.39
	13	11.8	101.4	22.56	95.7	21.27	90	19.98	87.3	19.38	84.3	18.72	78.6	17.49
	15	13.7	101.4	21.48	95.7	20.19	90	19.05	87.3	18.45	84.3	17.85	78.6	16.68
	-19.8	-20	84.6	44.43	79.8	41.34	75	38.37	72.3	36.96	69.9	35.55	65.1	32.73
	-18.8	-19	84.6	43.41	79.8	40.47	75	37.62	72.3	36.21	69.9	34.8	65.1	32.1
	-16.7	-17	84.6	41.46	79.8	38.64	75	35.94	72.3	34.59	69.9	33.33	65.1	30.75
	-13.7	-15	84.6	39.45	79.8	36.81	75	34.26	72.3	33	69.9	31.77	65.1	29.34
	-11.8	-13	84.6	37.5	79.8	35.01	75	32.58	72.3	31.38	69.9	30.24	65.1	27.93
	-9.8	-11	84.6	35.49	79.8	33.18	75	30.9	72.3	29.76	69.9	28.68	65.1	26.58
	-9.5	-10	84.6	34.53	79.8	32.25	75	30.09	72.3	29.01	69.9	27.93	65.1	25.86
	-8.5	-9.1	84.6	33.66	79.8	31.5	75	29.34	72.3	28.35	69.9	27.33	65.1	25.23
	-7	-7.6	84.6	32.25	79.8	30.24	75	28.14	72.3	27.21	69.9	26.25	65.1	24.3
	-5	-5.6	84.6	30.42	79.8	28.53	75	26.67	72.3	25.77	69.9	24.84	65.1	23.01
	-3	-3.7	84.6	28.8	79.8	27.06	75	25.23	72.3	24.45	69.9	23.55	65.1	21.87
	0	-0.7	84.6	26.46	79.8	24.84	75	23.28	72.3	22.47	69.9	21.75	65.1	20.19
	3	2.2	84.6	24.36	79.8	22.89	75	21.48	72.3	20.73	69.9	20.07	65.1	18.72
	5	4.1	84.6	23.1	79.8	21.75	75	20.4	72.3	19.71	69.9	19.11	65.1	17.76
	7	6	84.6	21.96	79.8	20.67	75	19.38	72.3	18.78	69.9	18.18	65.1	16.95
	9	7.9	84.6	20.79	79.8	19.65	75	18.45	72.3	17.91	69.9	17.31	65.1	16.17
	11	9.8	84.6	19.8	79.8	18.66	75	17.58	72.3	17.04	69.9	16.5	65.1	15.42
	13	11.8	84.6	18.84	79.8	17.76	75	16.68	72.3	16.23	69.9	15.69	65.1	14.73
	15	13.7	84.6	17.91	79.8	16.95	75	15.96	72.3	15.48	69.9	15	65.1	14.07

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	67.5	33.78	63.9	31.41	60	29.16	57.6	28.08	55.8	27	51.9	24.87
	-18.8	-19	67.5	33	63.9	30.75	60	28.59	57.6	27.51	55.8	26.46	51.9	24.39
	-16.7	-17	67.5	31.53	63.9	29.37	60	27.33	57.6	26.31	55.8	25.32	51.9	23.37
	-13.7	-15	67.5	29.97	63.9	27.99	60	26.04	57.6	25.08	55.8	24.15	51.9	22.32
	-11.8	-13	67.5	28.5	63.9	26.61	60	24.75	57.6	23.85	55.8	22.98	51.9	21.24
	-9.8	-11	67.5	26.97	63.9	25.23	60	23.49	57.6	22.62	55.8	21.78	51.9	20.22
	-9.5	-10	67.5	26.25	63.9	24.51	60	22.86	57.6	22.05	55.8	21.24	51.9	19.65
	-8.5	-9.1	67.5	25.59	63.9	23.94	60	22.32	57.6	21.54	55.8	20.76	51.9	19.2
	-7	-7.6	67.5	24.51	63.9	22.98	60	21.39	57.6	20.67	55.8	19.95	51.9	18.48
	-5	-5.6	67.5	23.13	63.9	21.69	60	20.25	57.6	19.59	55.8	18.87	51.9	17.49
	-3	-3.7	67.5	21.9	63.9	20.58	60	19.2	57.6	18.57	55.8	17.91	51.9	16.62
	0	-0.7	67.5	20.1	63.9	18.87	60	17.7	57.6	17.1	55.8	16.53	51.9	15.36
	3	2.2	67.5	18.51	63.9	17.4	60	16.32	57.6	15.75	55.8	15.24	51.9	14.22
	5	4.1	67.5	17.55	63.9	16.53	60	15.51	57.6	15	55.8	14.52	51.9	13.5
	7	6	67.5	16.68	63.9	15.72	60	14.73	57.6	14.28	55.8	13.8	51.9	12.9
30%	9	7.9	67.5	15.81	63.9	14.94	60	14.01	57.6	13.62	55.8	13.14	51.9	12.27
	11	9.8	67.5	15.03	63.9	14.16	60	13.35	57.6	12.93	55.8	12.54	51.9	11.73
	13	11.8	67.5	14.34	63.9	13.5	60	12.69	57.6	12.33	55.8	11.91	51.9	11.19
	15	13.7	67.5	13.62	63.9	12.9	60	12.12	57.6	11.76	55.8	11.4	51.9	10.68
	-19.8	-20	50.7	24.78	47.7	23.07	45	17.13	43.2	20.61	42	19.83	39	18.27
	-18.8	-19	50.7	24.24	47.7	22.59	45	16.8	43.2	20.22	42	19.41	39	17.91
	-16.7	-17	50.7	23.13	47.7	21.57	45	16.05	43.2	19.32	42	18.6	39	17.16
	-13.7	-15	50.7	22.02	47.7	20.55	45	15.3	43.2	18.42	42	17.73	39	16.38
	-11.8	-13	50.7	20.91	47.7	19.53	45	14.55	43.2	17.49	42	16.86	39	15.6
	-9.8	-11	50.7	19.8	47.7	18.51	45	13.8	43.2	16.59	42	15.99	39	14.85
	-9.5	-10	50.7	19.26	47.7	18	45	13.44	43.2	16.2	42	15.6	39	14.43
	-8.5	-9.1	50.7	18.78	47.7	17.58	45	13.11	43.2	15.81	42	15.24	39	14.1
	-7	-7.6	50.7	18	47.7	16.86	45	12.57	43.2	15.18	42	14.64	39	13.56
	-5	-5.6	50.7	16.98	47.7	15.93	45	11.91	43.2	14.4	42	13.86	39	12.84
	-3	-3.7	50.7	16.08	47.7	15.09	45	11.28	43.2	13.65	42	13.14	39	12.21
	0	-0.7	50.7	14.76	47.7	13.86	45	10.41	43.2	12.54	42	12.12	39	11.28
20%	3	2.2	50.7	13.59	47.7	12.78	45	9.6	43.2	11.58	42	11.19	39	10.44
	5	4.1	50.7	12.87	47.7	12.12	45	9.12	43.2	11.01	42	10.68	39	9.93
	7	6	50.7	12.24	47.7	11.52	45	8.64	43.2	10.47	42	10.14	39	9.48
	9	7.9	50.7	11.61	47.7	10.98	45	8.22	43.2	9.99	42	9.66	39	9.03
	11	9.8	50.7	11.04	47.7	10.41	45	7.83	43.2	9.51	42	9.21	39	8.61
	13	11.8	50.7	10.53	47.7	9.93	45	7.44	43.2	9.06	42	8.76	39	8.22
	15	13.7	50.7	9.99	47.7	9.48	45	7.11	43.2	8.64	42	8.37	39	7.86
	-19.8	-20	33.9	15.99	31.8	14.88	30	13.8	28.8	13.29	27.9	12.81	26.1	11.79
	-18.8	-19	33.9	15.63	31.8	14.55	30	13.56	28.8	13.05	27.9	12.54	26.1	11.55
	-16.7	-17	33.9	14.94	31.8	13.92	30	12.93	28.8	12.45	27.9	12	26.1	11.07
	-13.7	-15	33.9	14.19	31.8	13.26	30	12.33	28.8	11.88	27.9	11.43	26.1	10.56
	-11.8	-13	33.9	13.5	31.8	12.6	30	11.73	28.8	11.28	27.9	10.89	26.1	10.05
	-9.8	-11	33.9	12.78	31.8	11.94	30	11.13	28.8	10.71	27.9	10.32	26.1	9.57
	-9.5	-10	33.9	12.42	31.8	11.61	30	10.83	28.8	10.44	27.9	10.05	26.1	9.3
	-8.5	-9.1	33.9	12.12	31.8	11.34	30	10.56	28.8	10.2	27.9	9.84	26.1	9.09
	-7	-7.6	33.9	11.61	31.8	10.89	30	10.14	28.8	9.78	27.9	9.45	26.1	8.76
	-5	-5.6	33.9	10.95	31.8	10.29	30	9.6	28.8	9.27	27.9	8.94	26.1	8.28
	-3	-3.7	33.9	10.38	31.8	9.75	30	9.09	28.8	8.79	27.9	8.49	26.1	7.89
	0	-0.7	33.9	9.51	31.8	8.94	30	8.4	28.8	8.1	27.9	7.83	26.1	7.26
	3	2.2	33.9	8.76	31.8	8.25	30	7.74	28.8	7.47	27.9	7.23	26.1	6.75
	5	4.1	33.9	8.31	31.8	7.83	30	7.35	28.8	7.11	27.9	6.87	26.1	6.39
	7	6	33.9	7.89	31.8	7.44	30	6.99	28.8	6.75	27.9	6.54	26.1	6.12
	9	7.9	33.9	7.5	31.8	7.08	30	6.63	28.8	6.45	27.9	6.24	26.1	5.82
	11	9.8	33.9	7.11	31.8	6.72	30	6.33	28.8	6.12	27.9	5.94	26.1	5.55
	13	11.8	33.9	6.78	31.8	6.39	30	6	28.8	5.85	27.9	5.64	26.1	5.31
	15	13.7	33.9	6.45	31.8	6.12	30	5.73	28.8	5.58	27.9	5.4	26.1	5.07

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR500ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	101.1	29.85	100.5	31.97	100.1	34.12	100.1	35.15	99.5	36.17	99.5	38.31
	-18.8	-19	102.6	30.53	102	32.61	102	34.73	101.4	35.77	101.4	36.72	101.1	38.86
	-16.7	-17	106.4	31.97	106	33.97	105.5	35.98	105.5	36.94	105.5	37.97	104.9	39.97
	-13.7	-15	111	33.44	110.5	35.35	109.9	37.28	109.9	38.25	109.5	39.2	109.5	41.13
	-11.8	-13	115.4	34.94	115.4	36.79	114.9	38.59	114.5	39.54	114.5	40.52	113.9	42.3
	-9.8	-11	120.8	36.45	120.4	38.25	119.8	39.97	119.8	40.86	119.8	41.75	119.5	43.53
	-9.5	-10	123.8	37.28	123.3	38.93	122.9	40.65	122.9	41.54	122.3	42.36	122.3	44.08
	-8.5	-9.1	126.3	37.89	125.8	39.54	125.8	41.26	125.4	42.09	125.4	42.92	124.8	44.63
	-7	-7.6	130.7	38.99	130.7	40.65	130.1	42.24	130.1	43.06	129.8	43.81	129.2	45.46
	-5	-5.6	137.6	40.52	137.2	42.02	136.7	43.53	136.7	44.36	136.1	45.06	136.1	46.56
	-3	-3.7	144.1	41.81	143.6	43.25	143.6	44.72	143.2	45.46	143.2	46.22	142.6	47.6
	0	-0.7	155.4	43.81	155.4	45.18	155	46.5	155	47.05	154.5	47.88	154.5	49.25
	3	2.2	167.9	45.67	167.3	46.9	166.9	48.15	166.9	48.77	166.9	49.45	166.3	50.63
	5	4.1	176.3	46.77	175.9	48	175.9	49.17	175.3	49.81	175.3	50.36	174.8	51.52
	7	6	185.3	47.94	184.7	48.98	184.7	50.14	184.1	50.7	184.1	51.25	176.9	49.25
	9	7.9	194.7	48.89	194.1	50	194.1	51.04	193.7	51.59	189.7	50.48	176.9	46.22
	11	9.8	204.6	49.87	204	50.89	203.1	51.52	196.2	49.53	189.7	47.45	176.9	43.53
	13	11.8	215.3	50.82	215	51.8	203.1	48.28	196.2	46.35	189.7	44.57	176.9	40.86
	15	13.7	225.9	51.71	215.9	49.04	203.1	45.46	196.2	43.74	189.7	41.96	176.9	38.59
120%	-19.8	-20	100.5	32.74	100.1	34.67	99.5	36.66	99.5	37.55	99.5	38.59	98.9	40.52
	-18.8	-19	102	33.35	101.4	35.28	101.4	37.21	101.1	38.1	101.1	39.14	100.5	41.07
	-16.7	-17	106	34.67	105.5	36.53	104.8	38.31	104.9	39.27	104.9	40.24	104.5	42.02
	-13.7	-15	110.5	36.04	109.9	37.83	109.5	39.54	109.5	40.52	109.5	41.35	108.9	43.13
	-11.8	-13	114.9	37.42	114.9	39.14	114.5	40.79	114.5	41.68	113.9	42.51	113.9	44.23
	-9.8	-11	120.4	38.86	119.8	40.43	119.8	42.09	119.5	42.92	119.5	43.68	118.9	45.33
	-9.5	-10	123.3	39.54	122.9	41.13	122.3	42.7	122.3	43.53	122.3	44.29	121.9	45.88
	-8.5	-9.1	125.8	40.16	125.4	41.68	125.4	43.25	124.8	44.02	124.8	44.84	124.2	46.35
	-7	-7.6	130.1	41.2	130.1	42.7	129.8	44.17	129.8	44.91	129.2	45.67	129.2	47.11
	-5	-5.6	137.2	42.51	136.7	43.95	136.1	45.4	136.1	46.07	136.1	46.84	135.7	48.15
	-3	-3.7	143.6	43.81	143.6	45.18	143.2	46.5	143.2	47.11	142.6	47.88	142.6	49.17
	0	-0.7	155	45.67	155	46.9	154.5	48.15	154.5	48.77	154.1	49.38	154.1	50.63
	3	2.2	167.3	47.39	166.9	48.49	166.9	49.66	166.3	50.27	166.3	50.82	162.9	50.55
	5	4.1	175.9	48.43	175.3	49.53	175.3	50.63	174.8	51.16	174.8	51.71	162.9	47.45
	7	6	184.7	49.38	184.7	50.42	184.3	51.44	181.3	50.76	175.3	48.7	162.9	44.63
	9	7.9	194.1	50.36	193.7	51.38	187.2	49.66	181.3	47.66	175.3	45.74	162.9	42.02
	11	9.8	204	51.25	199.1	50.36	187.2	46.71	181.3	44.91	175.3	43.06	162.9	39.61
	13	11.8	211.5	50.76	199.1	47.26	187.2	43.81	181.3	42.17	175.3	40.52	162.9	37.28
	15	13.7	211.5	47.81	199.1	44.5	187.2	41.35	181.3	39.69	175.3	38.17	162.9	35.15
110%	-19.8	-20	100.1	35.62	99.5	37.34	98.9	39.14	98.9	40.03	99.2	40.92	98.6	42.7
	-18.8	-19	101.4	36.17	101.1	37.89	101.1	39.69	101.1	40.52	100.5	41.41	100.5	43.19
	-16.7	-17	105.5	37.34	104.9	39.08	106.4	40.79	104.5	41.62	104.5	42.43	103.9	44.08
	-13.7	-15	109.9	38.65	109.5	40.24	108.9	41.9	108.9	42.7	108.9	43.53	108.5	45.12
	-11.8	-13	114.5	39.97	114.5	41.47	113.9	42.98	113.9	43.81	113.5	44.57	113.5	46.16
	-9.8	-11	119.8	41.2	119.5	42.7	119.5	44.17	118.9	44.91	118.9	45.67	118.9	47.11
	-9.5	-10	122.9	41.9	122.3	43.25	121.7	44.78	121.7	45.46	121.7	46.22	121.4	47.66
	-8.5	-9.1	125.4	42.43	124.8	43.81	124.8	45.25	124.2	46.01	124.2	46.71	124.2	48.58
	-7	-7.6	129.8	43.4	129.8	44.72	129.2	46.07	129.2	46.77	129.2	47.45	128.8	48.83
	-5	-5.6	136.7	44.63	136.1	45.95	135.7	47.18	135.7	47.88	135.7	48.49	135.1	49.87
	-3	-3.7	143.2	45.74	143.2	46.99	142.6	48.22	142.6	48.83	142.2	49.45	142.2	50.7
	0	-0.7	154.5	47.45	154.5	48.62	154.1	49.81	154.1	50.36	154.1	50.89	149.5	49.93
	3	2.2	166.9	49.04	166.3	50.08	166.3	51.16	165.9	51.65	160.4	49.53	149.5	45.46
	5	4.1	175.3	50	175.3	51.04	171.9	50.55	165.9	48.49	160.4	46.56	149.5	42.7
	7	6	184.1	50.89	182.8	51.25	171.9	47.45	165.9	45.61	160.4	43.81	149.5	40.24
	9	7.9	193.7	51.71	182.8	48.15	171.9	44.63	165.9	42.92	160.4	41.2	149.5	37.89
	11	9.8	193.7	48.7	182.8	45.33	171.9	42.02	165.9	40.43	160.4	38.86	149.5	35.77
	13	11.8	193.7	45.67	182.8	42.51	171.9	39.48	165.9	38.04	160.4	36.53	149.5	33.71
	15	13.7	193.7	40.52	182.8	40.1	171.9	37.28	165.9	35.9	160.4	34.52	149.5	31.85

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	99.5	38.44	98.9	40.03	98.9	41.68	98.6	42.51	98.6	43.25	98	44.91
	-18.8	-19	101.1	38.93	101.1	40.52	100.5	42.17	100.5	42.98	100.1	43.81	100.1	45.4
	-16.7	-17	104.9	40.03	104.5	41.62	104.5	43.13	103.9	43.89	103.9	44.63	103.9	46.22
	-13.7	-15	109.5	41.2	108.9	42.7	108.5	44.17	108.5	44.91	108.5	45.67	108	47.11
	-11.8	-13	113.9	42.43	113.9	43.81	113.5	45.18	113.5	45.95	113.5	46.63	112.9	48.07
	-9.8	-11	119.5	43.53	118.9	44.91	118.9	46.29	118.9	46.99	118.3	47.6	118.3	48.98
	-9.5	-10	122.3	44.17	121.9	45.46	121.9	46.77	121.4	47.45	121.4	48.15	120.8	49.45
	-8.5	-9.1	124.8	44.63	124.2	46.01	124.2	47.26	124.2	47.88	123.8	48.56	123.8	49.81
	-7	-7.6	129.2	45.52	129.2	46.77	128.8	48	128.8	48.7	128.8	49.25	128.2	50.55
	-5	-5.6	136.1	46.71	135.7	47.88	135.7	49.04	135.1	49.59	135.1	50.21	134.7	51.44
	-3	-3.7	142.6	47.73	142.6	48.34	142.2	50	142.2	50.55	142.2	51.1	136.1	48.98
	0	-0.7	154.1	49.25	154.1	50.36	153.5	51.38	151	50.55	146.1	48.43	136.1	44.44
	3	2.2	166.3	50.7	165.9	51.65	156	47.81	151	45.95	146.1	44.08	136.1	40.52
	5	4.1	174.8	51.65	165.9	48.49	156	44.91	151	43.25	146.1	41.54	136.1	38.17
	7	6	175.9	48.98	165.9	45.61	156	42.3	151	40.71	146.1	39.14	136.1	35.98
	9	7.9	175.9	46.01	165.9	42.92	156	39.82	151	37.83	146.1	36.87	136.1	33.97
	11	9.8	175.9	43.34	165.9	40.43	156	37.55	151	36.17	146.1	34.79	136.1	32.06
	13	11.8	175.9	40.71	165.9	38.04	156	35.35	151	34.05	146.1	32.8	136.1	30.26
	15	13.7	175.9	38.38	165.9	35.9	156	33.44	151	32.19	146.1	30.96	136.1	28.69
90%	-19.8	-20	98.9	41.35	98.3	42.7	98.3	44.23	97.9	44.91	97.9	45.67	97.9	47.11
	-18.8	-19	100.4	41.75	100.4	43.25	99.8	44.63	99.8	45.4	99.8	46.07	99.5	47.54
	-16.7	-17	104.2	42.79	103.9	44.17	103.9	45.52	103.9	46.22	103.3	46.9	103.3	48.28
	-13.7	-15	108.8	43.81	108.3	45.18	108.3	46.5	107.7	47.11	107.7	47.81	107.7	49.11
	-11.8	-13	113.2	44.91	113.2	46.16	112.7	47.39	112.7	48.07	112.7	48.7	112.3	49.93
	-9.8	-11	118.6	45.95	118.6	47.11	118.2	48.34	118.2	48.98	118.2	49.59	117.6	50.82
	-9.5	-10	121.7	46.5	121.1	47.66	121.1	48.83	120.7	49.45	120.7	50.08	120.7	51.16
	-8.5	-9.1	124.2	46.99	124.2	48.15	123.6	49.25	123.6	49.81	123.6	50.42	122	50.89
	-7	-7.6	128.5	47.73	128.5	48.83	128	50	128	50.55	128	51.1	122	48.62
	-5	-5.6	135.4	48.77	135.1	49.81	135.1	50.89	134.5	51.44	131	49.81	122	45.67
	-3	-3.7	141.9	49.72	141.9	50.7	140.4	50.89	135.4	48.89	131	46.9	122	43.06
	0	-0.7	153.8	51.16	149.4	49.87	140.4	46.22	135.4	44.36	131	42.64	122	39.14
	3	2.2	158.2	48.7	149.4	45.4	140.4	42.09	135.4	40.52	131	38.86	122	35.83
	5	4.1	158.2	45.8	149.4	42.7	140.4	39.69	135.4	38.1	131	36.72	122	33.78
	7	6	158.2	43.06	149.4	40.24	140.4	37.34	135.4	35.98	131	34.6	122	31.91
	9	7.9	158.2	40.58	149.4	37.83	140.4	35.22	135.4	33.97	131	32.67	122	30.19
	11	9.8	158.2	38.25	149.4	35.71	140.4	33.29	135.4	32.06	131	30.89	122	28.54
	13	11.8	158.2	35.98	149.4	33.71	140.4	31.36	135.4	30.26	131	29.15	122	26.97
	15	13.7	158.2	33.97	149.4	31.78	140.4	29.71	135.4	28.69	131	27.65	122	25.59
80%	-19.8	-20	98.6	44.17	98	45.46	98	46.77	98	47.39	97.6	48.07	97.6	49.32
	-18.8	-19	100.1	44.57	100.1	45.88	99.5	47.11	99.5	47.81	99.5	48.43	98.9	49.72
	-16.7	-17	103.9	45.46	103.6	46.71	103.6	47.94	103.6	48.56	103.6	49.17	103	50.36
	-13.7	-15	108.5	46.43	108	47.6	108	48.77	108	49.32	107.4	49.93	107.4	51.16
	-11.8	-13	112.9	47.32	112.9	48.49	112.4	49.59	112.4	50.14	112.4	50.76	108.9	49.38
	-9.8	-11	118.3	48.28	118.3	49.38	117.9	50.48	117.9	50.97	117	50.89	108.9	46.63
	-9.5	-10	121.4	48.77	120.8	49.81	120.8	50.89	120.8	51.44	117	49.38	108.9	45.25
	-8.5	-9.1	123.8	49.25	115.1	50.27	123.3	51.25	120.8	50.08	117	48.07	108.9	44.08
	-7	-7.6	128.2	49.93	128.2	50.89	124.8	49.81	120.8	47.88	117	45.95	108.9	42.17
	-5	-5.6	135.1	50.82	132.6	50.55	124.8	46.77	120.8	44.99	117	43.19	108.9	39.69
	-3	-3.7	140.7	51.1	132.6	47.6	124.8	44.08	120.8	42.43	117	40.71	108.9	37.49
	0	-0.7	140.7	46.35	132.6	43.19	124.8	40.1	120.8	38.59	117	37.06	108.9	34.18
	3	2.2	140.7	42.24	132.6	39.42	124.8	36.66	120.8	35.28	117	33.97	108.9	31.3
	5	4.1	140.7	39.76	132.6	37.15	124.8	34.52	120.8	33.29	117	32.06	108.9	29.58
	7	6	140.7	37.49	132.6	35.07	124.8	32.61	120.8	31.51	117	30.34	108.9	27.99
	9	7.9	140.7	35.35	132.6	33.08	124.8	30.81	120.8	29.71	117	28.69	108.9	26.55
	11	9.8	140.7	33.44	132.6	31.23	124.8	29.15	120.8	28.14	117	27.16	108.9	25.17
	13	11.8	140.7	31.51	132.6	29.51	124.8	27.58	120.8	26.61	117	25.66	108.9	23.79
	15	13.7	140.7	29.79	132.6	27.99	124.8	26.14	120.8	25.25	117	24.34	108.9	22.62

Note: TC: Total capacity, PI: Power input.

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# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	97.9	47.05	97.3	48.15	97.3	49.25	97.3	49.81	97.3	50.42	94.9	49.87
	-18.8	-19	99.3	47.39	99.3	48.49	98.9	49.59	98.9	50.14	98.9	50.76	94.9	48.83
	-16.7	-17	103.3	48.15	103.3	49.25	102.7	50.36	102.7	50.89	101.7	45.33	94.9	46.56
	-13.7	-15	107.7	48.98	107.3	50.08	107.3	51.1	105.2	50.36	101.7	48.28	94.9	44.29
	-11.8	-13	112.1	49.81	112.1	50.82	109.2	49.59	105.2	47.66	101.7	45.74	94.9	41.96
	-9.8	-11	117.6	50.63	116.1	50.63	109.2	46.84	105.2	45.06	101.7	43.25	94.9	39.69
	-9.5	-10	120.5	51.1	116.1	49.11	109.2	45.46	105.2	43.74	101.7	42.02	94.9	38.59
	-8.5	-9.1	123	51.38	116.1	47.81	109.2	44.29	105.2	42.58	101.7	40.92	94.9	37.61
	-7	-7.6	123	49.04	116.1	45.67	109.2	42.36	105.2	40.79	101.7	39.14	94.9	36.04
	-5	-5.6	123	46.07	116.1	42.98	109.2	39.88	105.2	38.31	101.7	45.33	94.9	33.97
	-3	-3.7	123	43.4	116.1	40.52	109.2	37.61	105.2	36.17	101.7	34.79	94.9	32.12
	0	-0.7	123	39.48	116.1	36.94	109.2	34.33	105.2	33.08	101.7	31.85	94.9	29.43
	3	2.2	123	36.11	116.1	33.78	109.2	31.51	105.2	30.34	101.7	29.24	94.9	27.03
	5	4.1	123	34.05	116.1	31.85	109.2	29.79	105.2	28.69	101.7	27.65	94.9	25.59
	7	6	123	32.19	116.1	30.13	109.2	28.14	105.2	27.16	101.7	26.21	94.9	24.28
	9	7.9	123	30.4	116.1	28.54	109.2	26.61	105.2	25.72	101.7	24.83	94.9	23.05
	11	9.8	123	28.75	116.1	26.97	109.2	25.25	105.2	24.43	101.7	23.6	94.9	21.88
	13	11.8	123	27.16	116.1	25.51	109.2	23.87	105.2	23.11	101.7	22.28	94.9	20.78
	15	13.7	123	25.78	116.1	24.21	109.2	22.69	105.2	21.94	101.7	21.18	94.9	19.8
60%	-19.8	-20	97.6	49.87	97	50.82	93.6	48.89	90.7	46.99	87.7	45.12	81.7	41.35
	-18.8	-19	98.9	50.21	98.9	51.16	93.6	47.88	90.7	45.95	87.7	44.08	81.7	40.52
	-16.7	-17	103	50.89	99.5	49.25	93.6	45.67	90.7	43.89	87.7	42.17	81.7	38.72
	-13.7	-15	105.5	50.36	99.5	46.77	93.6	43.4	90.7	41.75	87.7	40.1	81.7	36.87
	-11.8	-13	105.5	47.6	99.5	44.29	93.6	41.13	90.7	39.61	87.7	38.04	81.7	35.22
	-9.8	-11	105.5	44.99	99.5	41.9	93.6	38.93	90.7	37.49	87.7	36.04	81.7	33.22
	-9.5	-10	105.5	43.74	99.5	40.79	93.6	37.83	90.7	36.45	87.7	35.07	81.7	32.33
	-8.5	-9.1	105.5	42.58	99.5	39.69	93.6	36.94	90.7	35.56	87.7	34.18	81.7	31.51
	-7	-7.6	105.5	40.71	99.5	38.04	93.6	35.35	90.7	34.05	87.7	32.74	81.7	30.26
	-5	-5.6	105.5	38.31	99.5	35.83	93.6	33.35	90.7	32.12	87.7	30.96	81.7	28.6
	-3	-3.7	105.5	36.17	99.5	33.84	93.6	31.51	90.7	30.4	87.7	29.3	81.7	27.1
	0	-0.7	105.5	33.08	99.5	30.96	93.6	28.88	90.7	27.92	87.7	26.89	81.7	24.89
	3	2.2	105.5	30.34	99.5	28.48	93.6	26.61	90.7	25.66	87.7	24.76	81.7	22.96
	5	4.1	105.5	28.69	99.5	26.89	93.6	25.17	90.7	24.34	87.7	23.45	81.7	21.8
	7	6	105.5	27.16	99.5	25.51	93.6	23.87	90.7	23.05	87.7	22.28	81.7	20.69
	9	7.9	105.5	25.72	99.5	24.15	93.6	22.62	90.7	21.94	87.7	21.12	81.7	19.74
	11	9.8	105.5	24.43	99.5	22.96	93.6	21.52	90.7	20.84	87.7	20.08	81.7	18.79
	13	11.8	105.5	23.05	99.5	21.73	93.6	20.42	90.7	19.8	87.7	19.12	81.7	17.87
	15	13.7	105.5	21.94	99.5	20.63	93.6	19.46	90.7	18.85	87.7	18.23	81.7	17.05
50%	-19.8	-20	87.9	45.4	83	42.24	78	39.2	75.1	37.76	72.7	36.32	67.7	33.44
	-18.8	-19	87.9	44.36	83	41.35	78	38.44	75.1	37	72.7	35.56	67.7	32.8
	-16.7	-17	87.9	42.36	83	39.48	78	36.72	75.1	35.35	72.7	34.05	67.7	31.42
	-13.7	-15	87.9	40.31	83	37.61	78	35.01	75.1	33.71	72.7	32.46	67.7	29.98
	-11.8	-13	87.9	38.31	83	35.77	78	33.29	75.1	32.06	72.7	30.89	67.7	28.54
	-9.8	-11	87.9	36.26	83	33.9	78	31.57	75.1	30.4	72.7	29.3	67.7	27.16
	-9.5	-10	87.9	35.28	83	32.95	78	30.74	75.1	29.64	72.7	28.54	67.7	26.42
	-8.5	-9.1	87.9	34.39	83	32.19	78	29.98	75.1	28.96	72.7	27.92	67.7	25.78
	-7	-7.6	87.9	32.95	83	30.89	78	28.75	75.1	27.8	72.7	26.82	67.7	24.83
	-5	-5.6	87.9	31.08	83	29.15	78	27.25	75.1	26.33	72.7	25.38	67.7	23.51
	-3	-3.7	87.9	29.43	83	27.65	78	25.78	75.1	24.98	72.7	24.07	67.7	22.35
	0	-0.7	87.9	27.03	83	25.38	78	23.79	75.1	22.96	72.7	22.22	67.7	20.63
	3	2.2	87.9	24.89	83	23.39	78	21.94	75.1	21.18	72.7	20.5	67.7	19.12
	5	4.1	87.9	23.6	83	22.22	78	20.84	75.1	20.14	72.7	19.53	67.7	18.15
	7	6	87.9	22.43	83	21.12	78	19.8	75.1	19.19	72.7	18.57	67.7	17.32
	9	7.9	87.9	21.25	83	20.08	78	18.85	75.1	18.3	72.7	17.68	67.7	16.52
	11	9.8	87.9	20.23	83	19.06	78	17.96	75.1	17.41	72.7	16.86	67.7	15.75
	13	11.8	87.9	19.25	83	18.15	78	17.05	75.1	16.58	72.7	16.03	67.7	15.05
	15	13.7	87.9	18.3	83	17.32	78	16.3	75.1	15.82	72.7	15.33	67.7	14.38

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	70.2	34.51	66.4	32.09	62.4	29.79	60	28.69	58	27.59	54	25.41
	-18.8	-19	70.2	33.72	66.4	31.42	62.4	29.21	60	28.11	58	27.03	54	24.93
	-16.7	-17	70.2	32.21	66.4	30.01	62.4	27.92	60	26.88	58	25.87	54	23.88
	-13.7	-15	70.2	30.63	66.4	28.6	62.4	26.61	60	25.62	58	24.67	54	22.8
	-11.8	-13	70.2	29.12	66.4	27.19	62.4	25.29	60	24.37	58	23.48	54	21.7
	-9.8	-11	70.2	27.55	66.4	25.78	62.4	24	60	23.11	58	22.26	54	20.66
	-9.5	-10	70.2	26.82	66.4	25.04	62.4	23.36	60	22.53	58	21.7	54	20.08
	-8.5	-9.1	70.2	26.14	66.4	24.46	62.4	22.8	60	22.01	58	21.22	54	19.61
	-7	-7.6	70.2	25.04	66.4	23.48	62.4	21.85	60	21.12	58	20.38	54	18.88
	-5	-5.6	70.2	23.63	66.4	22.16	62.4	20.69	60	20.02	58	19.28	54	17.87
	-3	-3.7	70.2	22.37	66.4	21.02	62.4	19.61	60	18.97	58	18.3	54	16.98
	0	-0.7	70.2	20.54	66.4	19.28	62.4	18.09	60	17.47	58	16.89	54	15.69
	3	2.2	70.2	18.92	66.4	17.78	62.4	16.67	60	16.1	58	15.57	54	14.53
	5	4.1	70.2	17.93	66.4	16.89	62.4	15.84	60	15.32	58	14.84	54	13.8
	7	6	70.2	17.04	66.4	16.06	62.4	15.05	60	14.59	58	14.1	54	13.18
30%	9	7.9	70.2	16.15	66.4	15.26	62.4	14.32	60	13.91	58	13.43	54	12.54
	11	9.8	70.2	15.36	66.4	14.47	62.4	13.64	60	13.22	58	12.81	54	11.98
	13	11.8	70.2	14.65	66.4	13.8	62.4	12.97	60	12.6	58	12.17	54	11.44
	15	13.7	70.2	13.91	66.4	13.18	62.4	12.39	60	12.02	58	11.65	54	10.92
	-19.8	-20	52.7	25.32	49.7	23.57	46.8	17.5	45	21.06	43.6	20.26	40.6	18.66
	-18.8	-19	52.7	24.76	49.7	23.08	46.8	17.16	45	20.66	43.6	19.84	40.6	18.3
	-16.7	-17	52.7	23.64	49.7	22.04	46.8	16.4	45	19.74	43.6	19	40.6	17.54
	-13.7	-15	52.7	22.5	49.7	21	46.8	15.63	45	18.82	43.6	18.12	40.6	16.74
	-11.8	-13	52.7	21.37	49.7	19.96	46.8	14.86	45	17.88	43.6	17.23	40.6	15.94
	-9.8	-11	52.7	20.23	49.7	18.92	46.8	14.1	45	16.96	43.6	16.34	40.6	15.17
	-9.5	-10	52.7	19.68	49.7	18.39	46.8	13.73	45	16.55	43.6	15.94	40.6	14.74
	-8.5	-9.1	52.7	19.19	49.7	17.96	46.8	13.39	45	16.16	43.6	15.58	40.6	14.4
	-7	-7.6	52.7	18.39	49.7	17.23	46.8	12.84	45	15.51	43.6	14.96	40.6	13.85
	-5	-5.6	52.7	17.35	49.7	16.28	46.8	12.17	45	14.71	43.6	14.16	40.6	13.12
	-3	-3.7	52.7	16.43	49.7	15.42	46.8	11.52	45	13.94	43.6	13.43	40.6	12.47
	0	-0.7	52.7	15.08	49.7	14.16	46.8	10.63	45	12.81	43.6	12.39	40.6	11.52
20%	3	2.2	52.7	13.89	49.7	13.05	46.8	9.8	45	11.83	43.6	11.43	40.6	10.67
	5	4.1	52.7	13.15	49.7	12.39	46.8	9.31	45	11.25	43.6	10.91	40.6	10.14
	7	6	52.7	12.51	49.7	11.77	46.8	8.83	45	10.7	43.6	10.36	40.6	9.68
	9	7.9	52.7	11.86	49.7	11.21	46.8	8.4	45	10.21	43.6	9.87	40.6	9.22
	11	9.8	52.7	11.28	49.7	10.63	46.8	8	45	9.71	43.6	9.41	40.6	8.79
	13	11.8	52.7	10.75	49.7	10.14	46.8	7.61	45	9.25	43.6	8.95	40.6	8.4
	15	13.7	52.7	10.21	49.7	9.68	46.8	7.27	45	8.83	43.6	8.55	40.6	8.03
	-19.8	-20	35.2	16.34	33.1	15.2	31.2	14.1	30	13.58	29	13.08	27.1	12.04
	-18.8	-19	35.2	15.97	33.1	14.87	31.2	13.85	30	13.33	29	12.81	27.1	11.8
	-16.7	-17	35.2	15.26	33.1	14.22	31.2	13.22	30	12.72	29	12.26	27.1	11.31
	-13.7	-15	35.2	14.5	33.1	13.55	31.2	12.6	30	12.14	29	11.68	27.1	10.79
	-11.8	-13	35.2	13.79	33.1	12.87	31.2	11.98	30	11.53	29	11.12	27.1	10.27
	-9.8	-11	35.2	13.05	33.1	12.2	31.2	11.37	30	10.94	29	10.55	27.1	9.78
	-9.5	-10	35.2	12.69	33.1	11.86	31.2	11.07	30	10.67	29	10.27	27.1	9.5
	-8.5	-9.1	35.2	12.38	33.1	11.59	31.2	10.79	30	10.42	29	10.05	27.1	9.29
	-7	-7.6	35.2	11.86	33.1	11.12	31.2	10.36	30	10	29	9.66	27.1	8.95
	-5	-5.6	35.2	11.19	33.1	10.51	31.2	9.81	30	9.48	29	9.14	27.1	8.46
	-3	-3.7	35.2	10.6	33.1	9.96	31.2	9.29	30	8.98	29	8.67	27.1	8.06
	0	-0.7	35.2	9.72	33.1	9.14	31.2	8.58	30	8.27	29	8	27.1	7.42
	3	2.2	35.2	8.95	33.1	8.43	31.2	7.9	30	7.63	29	7.38	27.1	6.89
	5	4.1	35.2	8.49	33.1	8	31.2	7.51	30	7.26	29	7.02	27.1	6.53
	7	6	35.2	8.07	33.1	7.6	31.2	7.14	30	6.9	29	6.68	27.1	6.25
	9	7.9	35.2	7.66	33.1	7.23	31.2	6.78	30	6.59	29	6.37	27.1	5.95
	11	9.8	35.2	7.27	33.1	6.86	31.2	6.47	30	6.26	29	6.07	27.1	5.67
	13	11.8	35.2	6.93	33.1	6.53	31.2	6.13	30	5.97	29	5.76	27.1	5.42
	15	13.7	35.2	6.59	33.1	6.25	31.2	5.86	30	5.7	29	5.53	27.1	5.18

Note: TC: Total capacity, PI: Power input.

Outdoor unit

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System Diagram

Electrical Wiring Diagram

External Wiring Connection

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**■ TMR520ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	103.6	31.19	103.1	33.41	102.7	35.65	102.7	36.73	102.1	37.8	102.1	40.03
	-18.8	-19	105.2	31.9	104.6	34.07	104.6	36.29	104	37.38	104	38.37	103.6	40.61
	-16.7	-17	109.2	33.41	108.8	35.49	108.2	37.6	108.2	38.59	108.2	39.68	107.6	41.76
	-13.7	-15	113.9	34.94	113.3	36.93	112.7	38.95	112.7	39.97	112.3	40.97	112.3	42.98
	-11.8	-13	118.4	36.51	118.4	38.44	117.8	40.32	117.4	41.32	117.4	42.34	116.8	44.2
	-9.8	-11	123.9	38.09	123.5	39.97	122.9	41.76	122.9	42.69	122.9	43.62	122.5	45.49
	-9.5	-10	127	38.95	126.4	40.68	126	42.47	126	43.4	125.4	44.27	125.4	46.06
	-8.5	-9.1	129.6	39.59	129	41.32	129	43.12	128.6	43.98	128.6	44.84	128	46.64
	-7	-7.6	134.1	40.74	134.1	42.47	133.5	44.13	133.5	45	133.1	45.77	132.5	47.5
	-5	-5.6	141.2	42.34	140.8	43.91	140.2	45.49	140.2	46.35	139.6	47.08	139.6	48.65
	-3	-3.7	147.8	43.69	147.2	45.2	147.2	46.72	146.8	47.5	146.8	48.3	146.2	49.74
	0	-0.7	159.4	45.77	159.4	47.21	159	48.59	159	49.16	158.4	50.03	158.4	51.47
	3	2.2	172.2	47.72	171.6	49.01	171.2	50.31	171.2	50.96	171.2	51.67	170.6	52.91
	5	4.1	180.8	48.87	180.4	50.16	180.4	51.38	179.8	52.04	179.8	52.62	179.2	53.84
	7	6	190	50.09	189.4	51.18	189.4	52.4	188.8	52.97	188.8	53.55	181.4	51.47
	9	7.9	199.6	51.09	199.1	52.24	199.1	53.33	198.7	53.9	194.6	52.75	181.4	48.3
	11	9.8	209.9	52.11	209.3	53.17	208.3	53.84	201.2	51.75	194.6	49.58	181.4	45.49
	13	11.8	220.8	53.11	220.5	54.12	208.3	50.45	201.2	48.43	194.6	46.57	181.4	42.69
	15	13.7	231.6	54.04	221.4	51.25	208.3	47.5	201.2	45.71	194.6	43.85	181.4	40.32
120%	-19.8	-20	103.1	34.21	102.7	36.22	102.1	38.31	102.1	39.24	102.1	40.32	101.5	42.34
	-18.8	-19	104.6	34.85	104	36.87	104	38.88	103.7	39.81	103.7	40.9	103.1	42.91
	-16.7	-17	108.8	36.22	108.2	38.17	107.5	40.03	107.6	41.03	107.6	42.05	107.2	43.91
	-13.7	-15	113.3	37.66	112.7	39.53	112.3	41.32	112.3	42.34	112.3	43.2	111.7	45.06
	-11.8	-13	117.8	39.1	117.8	40.9	117.4	42.63	117.4	43.56	116.8	44.42	116.8	46.22
	-9.8	-11	123.5	40.61	122.9	42.25	122.9	43.98	122.5	44.84	122.5	45.64	121.9	47.37
	-9.5	-10	126.4	41.32	126	42.98	125.4	44.62	125.4	45.49	125.4	46.28	125.1	47.94
	-8.5	-9.1	129	41.96	128.6	43.56	128.6	45.2	128	45.99	128	46.86	127.4	48.43
	-7	-7.6	133.5	43.05	133.5	44.62	133.1	46.15	133.1	46.93	132.5	47.72	132.5	49.23
	-5	-5.6	140.8	44.42	140.2	45.93	139.6	47.43	139.6	48.14	139.6	48.94	139.2	50.31
	-3	-3.7	147.2	45.77	147.2	47.21	146.8	48.59	146.8	49.23	146.3	50.03	146.3	51.38
	0	-0.7	159	47.72	159	49.01	158.4	50.31	158.4	50.96	158	51.6	158	52.91
	3	2.2	171.6	49.52	171.2	50.67	171.2	51.89	170.6	52.53	170.6	53.11	167.1	52.82
	5	4.1	180.4	50.6	179.8	51.75	179.8	52.91	179.2	53.46	179.2	54.04	167.1	49.58
	7	6	189.4	51.6	189.4	52.69	189.1	53.75	185.9	53.04	179.8	50.89	167.1	46.64
	9	7.9	199.1	52.62	198.7	53.68	192	51.89	185.9	49.81	179.8	47.79	167.1	43.91
	11	9.8	209.3	53.55	204.2	52.62	192	48.81	185.9	46.93	179.8	45	167.1	41.39
	13	11.8	216.9	53.04	204.2	49.38	192	45.77	185.9	44.07	179.8	42.34	167.1	38.95
	15	13.7	216.9	49.96	204.2	46.5	192	43.2	185.9	41.47	179.8	39.88	167.1	36.73
110%	-19.8	-20	102.7	37.22	102.1	39.02	101.5	40.9	101.5	41.83	101.7	42.76	101.1	44.62
	-18.8	-19	104	37.8	103.7	39.59	103.7	41.47	103.7	42.34	103.1	43.27	103.1	45.13
	-16.7	-17	108.2	39.02	107.6	40.83	109.2	42.63	107.2	43.49	107.2	44.33	106.6	46.06
	-13.7	-15	112.7	40.39	112.3	42.05	111.7	43.78	111.7	44.62	111.7	45.49	111.3	47.15
	-11.8	-13	117.4	41.76	117.4	43.34	116.8	44.91	116.8	45.77	116.4	46.57	116.4	48.23
	-9.8	-11	122.9	43.05	122.5	44.62	122.5	46.15	121.9	46.93	121.9	47.72	121.9	49.23
	-9.5	-10	126	43.78	125.4	45.2	124.8	46.79	124.8	47.5	124.8	48.3	124.5	49.81
	-8.5	-9.1	128.6	44.33	128	45.77	128	47.28	127.4	48.08	127.4	48.81	127.4	44.49
	-7	-7.6	133.1	45.35	133.1	46.72	132.5	48.14	132.5	48.87	132.5	49.58	132.1	51.02
	-5	-5.6	140.2	46.64	139.6	48.01	139.2	49.3	139.2	50.03	139.2	50.67	138.6	52.11
	-3	-3.7	146.8	47.79	146.8	49.1	146.3	50.38	146.3	51.02	145.9	51.67	145.9	52.97
	0	-0.7	158.4	49.58	158.4	50.8	158	52.04	158	52.62	158	53.17	153.3	52.18
	3	2.2	171.2	51.25	170.6	52.33	170.6	53.46	170.2	53.97	164.5	51.75	153.3	47.5
	5	4.1	179.8	52.24	179.8	53.33	176.3	52.82	170.2	50.67	164.5	48.65	153.3	44.62
	7	6	188.8	53.17	187.5	53.55	176.3	49.58	170.2	47.66	164.5	45.77	153.3	42.05
	9	7.9	198.7	54.04	187.5	50.31	176.3	46.64	170.2	44.84	164.5	43.05	153.3	39.59
	11	9.8	198.7	50.89	187.5	47.37	176.3	43.91	170.2	42.25	164.5	40.61	153.3	37.38
	13	11.8	198.7	47.72	187.5	44.42	176.3	41.25	170.2	39.75	164.5	38.17	153.3	35.23
	15	13.7	198.7	42.34	187.5	41.9	176.3	38.95	170.2	37.51	164.5	36.07	153.3	33.28

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	102.1	40.17	101.5	41.83	101.5	43.56	101.1	44.42	101.1	45.2	100.5	46.93
	-18.8	-19	103.7	40.68	103.7	42.34	103.1	44.07	103.1	44.91	102.7	45.77	102.7	47.43
	-16.7	-17	107.6	41.83	107.2	43.49	107.2	45.06	106.6	45.86	106.6	46.64	106.6	48.3
	-13.7	-15	112.3	43.05	111.7	44.62	111.3	46.15	111.3	46.93	111.3	47.72	110.7	49.23
	-11.8	-13	116.8	44.33	116.8	45.77	116.4	47.21	116.4	48.01	116.4	48.72	115.8	50.23
	-9.8	-11	122.5	45.49	121.9	46.93	121.9	48.37	121.9	49.1	121.3	49.74	121.3	51.18
	-9.5	-10	125.4	46.15	125.1	47.5	125.1	48.87	124.5	49.58	124.5	50.31	123.9	51.67
	-8.5	-9.1	128	46.64	127.4	48.08	127.4	49.38	127.4	50.03	127	50.74	127	52.04
	-7	-7.6	132.5	47.57	132.5	48.87	132.1	50.16	132.1	50.89	132.1	51.47	131.5	52.82
	-5	-5.6	139.6	48.81	139.2	50.03	139.2	51.25	138.6	51.82	138.6	52.46	138.2	53.75
	-3	-3.7	146.3	49.87	146.3	45.28	145.9	52.24	145.9	52.82	145.9	53.39	139.6	51.18
	0	-0.7	158	51.47	158	52.62	157.4	53.68	154.9	52.82	149.8	50.6	139.6	46.44
	3	2.2	170.6	52.97	170.2	53.97	160	49.96	154.9	48.01	149.8	46.06	139.6	42.34
	5	4.1	179.2	53.97	170.2	50.67	160	46.93	154.9	45.2	149.8	43.4	139.6	39.88
	7	6	180.4	51.18	170.2	47.66	160	44.2	154.9	42.54	149.8	40.9	139.6	37.6
	9	7.9	180.4	48.08	170.2	44.84	160	41.61	154.9	39.53	149.8	38.53	139.6	35.49
90%	-19.8	-20	101.4	43.2	100.8	44.62	100.8	46.22	100.4	46.93	100.4	47.72	100.4	49.23
	-18.8	-19	103	43.62	103	45.2	102.4	46.64	102.4	47.43	102.4	48.14	102	49.67
	-16.7	-17	106.9	44.71	106.5	46.15	106.5	47.57	106.5	48.3	105.9	49.01	105.9	50.45
	-13.7	-15	111.6	45.77	111	47.21	111	48.59	110.4	49.23	110.4	49.96	110.4	51.31
	-11.8	-13	116.1	46.93	116.1	48.23	115.6	49.52	115.6	50.23	115.6	50.89	115.2	52.18
	-9.8	-11	121.6	48.01	121.6	49.23	121.2	50.52	121.2	51.18	121.2	51.82	120.6	53.11
	-9.5	-10	124.8	48.59	124.2	49.81	124.2	51.02	123.8	51.67	123.8	52.33	123.8	53.46
	-8.5	-9.1	127.3	49.1	127.3	50.31	126.7	51.47	126.7	52.04	126.7	52.69	125.2	53.17
	-7	-7.6	131.8	49.87	131.8	51.02	131.2	52.24	131.2	52.82	131.2	53.39	125.2	50.8
	-5	-5.6	138.9	50.96	138.5	52.04	138.5	53.17	137.9	53.75	134.4	52.04	125.2	47.72
	-3	-3.7	145.6	51.96	145.6	52.97	144	53.17	138.9	51.09	134.4	49.01	125.2	45
	0	-0.7	157.7	53.46	153.2	52.11	144	48.3	138.9	46.35	134.4	44.55	125.2	40.9
	3	2.2	162.2	50.89	153.2	47.43	144	43.98	138.9	42.34	134.4	40.61	125.2	37.44
	5	4.1	162.2	47.86	153.2	44.62	144	41.47	138.9	39.81	134.4	38.37	125.2	35.29
	7	6	162.2	45	153.2	42.05	144	39.02	138.9	37.6	134.4	36.16	125.2	33.34
	9	7.9	162.2	42.41	153.2	39.53	144	36.8	138.9	35.49	134.4	34.14	125.2	31.55
	11	9.8	162.2	39.97	153.2	37.31	144	34.78	138.9	33.5	134.4	32.28	125.2	29.82
80%	-19.8	-20	101.1	46.15	100.5	47.5	100.5	48.87	100.5	49.52	100.1	50.23	100.1	51.53
	-18.8	-19	102.7	46.57	102.7	47.94	102.1	49.23	102.1	49.96	102.1	50.6	101.5	51.96
	-16.7	-17	106.6	47.5	106.2	48.81	106.2	50.09	106.2	50.74	106.2	51.38	105.6	52.62
	-13.7	-15	111.3	48.52	110.7	49.74	110.7	50.96	110.7	51.53	110.1	52.18	110.1	53.46
	-11.8	-13	115.8	49.45	115.8	50.67	115.2	51.82	115.2	52.4	115.2	53.04	111.7	51.6
	-9.8	-11	121.3	50.45	121.3	51.6	120.9	52.75	120.9	53.26	120	53.17	111.7	48.72
	-9.5	-10	124.5	50.96	123.9	52.04	123.9	53.17	123.9	53.75	120	51.6	111.7	47.28
	-8.5	-9.1	127	51.47	118.1	52.53	126.4	53.55	123.9	52.33	120	50.23	111.7	46.06
	-7	-7.6	131.5	52.18	131.5	53.17	128	52.04	123.9	50.03	120	48.01	111.7	44.07
	-5	-5.6	138.6	53.11	136	52.82	128	48.87	123.9	47.01	120	45.13	111.7	41.47
	-3	-3.7	144.3	53.39	136	49.74	128	46.06	123.9	44.33	120	42.54	111.7	39.17
	0	-0.7	144.3	48.43	136	45.13	128	41.9	123.9	40.32	120	38.73	111.7	35.71
	3	2.2	144.3	44.13	136	41.19	128	38.31	123.9	36.87	120	35.49	111.7	32.7
	5	4.1	144.3	41.54	136	38.82	128	36.07	123.9	34.78	120	33.5	111.7	30.91
	7	6	144.3	39.17	136	36.65	128	34.07	123.9	32.92	120	31.7	111.7	29.25
	9	7.9	144.3	36.93	136	34.56	128	32.19	123.9	31.04	120	29.98	111.7	27.74
	11	9.8	144.3	34.94	136	32.63	128	30.46	123.9	29.4	120	28.38	111.7	26.3
	13	11.8	144.3	32.92	136	30.84	128	28.82	123.9	27.81	120	26.81	111.7	24.86
	15	13.7	144.3	31.13	136	29.25	128	27.32	123.9	26.39	120	25.44	111.7	23.64

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	100.4	49.16	99.8	50.31	99.8	51.47	99.8	52.04	99.8	52.69	97.3	52.11
	-18.8	-19	101.8	49.52	101.8	50.67	101.4	51.82	101.4	52.4	101.4	53.04	97.3	51.02
	-16.7	-17	105.9	50.31	105.9	51.47	105.3	52.62	105.3	53.17	104.4	47.37	97.3	48.65
	-13.7	-15	110.4	51.18	110	52.33	110	53.39	107.9	52.62	104.4	50.45	97.3	46.28
	-11.8	-13	114.9	52.04	114.9	53.11	112	51.82	107.9	49.81	104.4	47.79	97.3	43.85
	-9.8	-11	120.6	52.91	119.1	52.91	112	48.94	107.9	47.08	104.4	45.2	97.3	41.47
	-9.5	-10	123.6	53.39	119.1	51.31	112	47.5	107.9	45.71	104.4	43.91	97.3	40.32
	-8.5	-9.1	126.1	53.68	119.1	49.96	112	46.28	107.9	44.49	104.4	42.76	97.3	39.3
	-7	-7.6	126.1	51.25	119.1	47.72	112	44.27	107.9	42.63	104.4	40.9	97.3	37.66
	-5	-5.6	126.1	48.14	119.1	44.91	112	41.68	107.9	40.03	104.4	47.37	97.3	35.49
	-3	-3.7	126.1	45.35	119.1	42.34	112	39.3	107.9	37.8	104.4	36.36	97.3	33.57
	0	-0.7	126.1	41.25	119.1	38.59	112	35.87	107.9	34.56	104.4	33.28	97.3	30.75
	3	2.2	126.1	37.73	119.1	35.29	112	32.92	107.9	31.7	104.4	30.55	97.3	28.25
	5	4.1	126.1	35.58	119.1	33.28	112	31.13	107.9	29.98	104.4	28.89	97.3	26.74
	7	6	126.1	33.63	119.1	31.48	112	29.4	107.9	28.38	104.4	27.38	97.3	25.37
	9	7.9	126.1	31.77	119.1	29.82	112	27.81	107.9	26.87	104.4	25.94	97.3	24.08
	11	9.8	126.1	30.04	119.1	28.18	112	26.39	107.9	25.52	104.4	24.66	97.3	22.86
	13	11.8	126.1	28.38	119.1	26.65	112	24.95	107.9	24.15	104.4	23.29	97.3	21.71
	15	13.7	126.1	26.94	119.1	25.3	112	23.71	107.9	22.93	104.4	22.13	97.3	20.69
60%	-19.8	-20	100.1	52.11	99.5	53.11	96	51.09	93.1	49.1	89.9	47.15	83.8	43.2
	-18.8	-19	101.5	52.46	101.5	53.46	96	50.03	93.1	48.01	89.9	46.06	83.8	42.34
	-16.7	-17	105.6	53.17	102.1	51.47	96	47.72	93.1	45.86	89.9	44.07	83.8	40.46
	-13.7	-15	108.2	52.62	102.1	48.87	96	45.35	93.1	43.62	89.9	41.9	83.8	38.53
	-11.8	-13	108.2	49.74	102.1	46.28	96	42.98	93.1	41.39	89.9	39.75	83.8	36.8
	-9.8	-11	108.2	47.01	102.1	43.78	96	40.68	93.1	39.17	89.9	37.66	83.8	34.72
	-9.5	-10	108.2	45.71	102.1	42.63	96	39.53	93.1	38.09	89.9	36.65	83.8	33.79
	-8.5	-9.1	108.2	44.49	102.1	41.47	96	38.59	93.1	37.15	89.9	35.71	83.8	32.92
	-7	-7.6	108.2	42.54	102.1	39.75	96	36.93	93.1	35.58	89.9	34.21	83.8	31.62
	-5	-5.6	108.2	40.03	102.1	37.44	96	34.85	93.1	33.57	89.9	32.35	83.8	29.89
	-3	-3.7	108.2	37.8	102.1	35.36	96	32.92	93.1	31.77	89.9	30.62	83.8	28.31
	0	-0.7	108.2	34.56	102.1	32.35	96	30.18	93.1	29.18	89.9	28.09	83.8	26.01
	3	2.2	108.2	31.7	102.1	29.75	96	27.81	93.1	26.81	89.9	25.88	83.8	24
	5	4.1	108.2	29.98	102.1	28.09	96	26.3	93.1	25.44	89.9	24.5	83.8	22.78
	7	6	108.2	28.38	102.1	26.65	96	24.95	93.1	24.08	89.9	23.29	83.8	21.62
	9	7.9	108.2	26.87	102.1	25.23	96	23.64	93.1	22.93	89.9	22.07	83.8	20.63
	11	9.8	108.2	25.52	102.1	24	96	22.49	93.1	21.78	89.9	20.98	83.8	19.63
	13	11.8	108.2	24.08	102.1	22.71	96	21.34	93.1	20.69	89.9	19.98	83.8	18.68
	15	13.7	108.2	22.93	102.1	21.56	96	20.34	93.1	19.7	89.9	19.05	83.8	17.81
50%	-19.8	-20	90.2	47.43	85.1	44.13	80	40.97	77.1	39.46	74.5	37.95	69.4	34.94
	-18.8	-19	90.2	46.35	85.1	43.2	80	40.17	77.1	38.66	74.5	37.15	69.4	34.28
	-16.7	-17	90.2	44.27	85.1	41.25	80	38.37	77.1	36.93	74.5	35.58	69.4	32.84
	-13.7	-15	90.2	42.12	85.1	39.3	80	36.58	77.1	35.23	74.5	33.92	69.4	31.33
	-11.8	-13	90.2	40.03	85.1	37.38	80	34.78	77.1	33.5	74.5	32.28	69.4	29.82
	-9.8	-11	90.2	37.88	85.1	35.43	80	32.99	77.1	31.77	74.5	30.62	69.4	28.38
	-9.5	-10	90.2	36.87	85.1	34.43	80	32.13	77.1	30.97	74.5	29.82	69.4	27.6
	-8.5	-9.1	90.2	35.94	85.1	33.63	80	31.33	77.1	30.26	74.5	29.18	69.4	26.94
	-7	-7.6	90.2	34.43	85.1	32.28	80	30.04	77.1	29.04	74.5	28.03	69.4	25.94
	-5	-5.6	90.2	32.48	85.1	30.46	80	28.47	77.1	27.52	74.5	26.52	69.4	24.57
	-3	-3.7	90.2	30.75	85.1	28.89	80	26.94	77.1	26.1	74.5	25.15	69.4	23.35
	0	-0.7	90.2	28.25	85.1	26.52	80	24.86	77.1	24	74.5	23.22	69.4	21.56
	3	2.2	90.2	26.01	85.1	24.44	80	22.93	77.1	22.13	74.5	21.42	69.4	19.98
	5	4.1	90.2	24.66	85.1	23.22	80	21.78	77.1	21.05	74.5	20.41	69.4	18.97
	7	6	90.2	23.44	85.1	22.07	80	20.69	77.1	20.05	74.5	19.41	69.4	18.1
	9	7.9	90.2	22.2	85.1	20.98	80	19.7	77.1	19.12	74.5	18.48	69.4	17.26
	11	9.8	90.2	21.14	85.1	19.92	80	18.76	77.1	18.19	74.5	17.61	69.4	16.46
	13	11.8	90.2	20.12	85.1	18.97	80	17.81	77.1	17.33	74.5	16.75	69.4	15.73
	15	13.7	90.2	19.12	85.1	18.1	80	17.04	77.1	16.53	74.5	16.02	69.4	15.02

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	72	36.06	68.1	33.54	64	31.13	61.5	29.98	59.5	28.83	55.4	26.55
	-18.8	-19	72	35.23	68.1	32.83	64	30.53	61.5	29.38	59.5	28.25	55.4	26.05
	-16.7	-17	72	33.66	68.1	31.35	64	29.17	61.5	28.08	59.5	27.03	55.4	24.95
	-13.7	-15	72	32	68.1	29.88	64	27.8	61.5	26.77	59.5	25.78	55.4	23.82
	-11.8	-13	72	30.43	68.1	28.41	64	26.43	61.5	25.46	59.5	24.53	55.4	22.67
	-9.8	-11	72	28.79	68.1	26.93	64	25.08	61.5	24.15	59.5	23.26	55.4	21.58
	-9.5	-10	72	28.02	68.1	26.17	64	24.41	61.5	23.54	59.5	22.67	55.4	20.98
	-8.5	-9.1	72	27.32	68.1	25.56	64	23.82	61.5	23	59.5	22.17	55.4	20.49
	-7	-7.6	72	26.17	68.1	24.53	64	22.83	61.5	22.07	59.5	21.3	55.4	19.73
	-5	-5.6	72	24.69	68.1	23.16	64	21.62	61.5	20.92	59.5	20.15	55.4	18.68
	-3	-3.7	72	23.38	68.1	21.97	64	20.49	61.5	19.83	59.5	19.12	55.4	17.75
	0	-0.7	72	21.46	68.1	20.15	64	18.9	61.5	18.25	59.5	17.65	55.4	16.39
	3	2.2	72	19.77	68.1	18.57	64	17.42	61.5	16.82	59.5	16.27	55.4	15.18
	5	4.1	72	18.74	68.1	17.65	64	16.56	61.5	16.01	59.5	15.51	55.4	14.42
	7	6	72	17.81	68.1	16.78	64	15.73	61.5	15.24	59.5	14.74	55.4	13.77
30%	9	7.9	72	16.88	68.1	15.95	64	14.96	61.5	14.54	59.5	14.03	55.4	13.1
	11	9.8	72	16.05	68.1	15.12	64	14.25	61.5	13.81	59.5	13.39	55.4	12.52
	13	11.8	72	15.3	68.1	14.42	64	13.55	61.5	13.16	59.5	12.72	55.4	11.95
	15	13.7	72	14.54	68.1	13.77	64	12.94	61.5	12.56	59.5	12.17	55.4	11.41
	-19.8	-20	54.1	26.46	50.9	24.63	48	18.29	46.1	22.01	44.7	21.17	41.6	19.5
	-18.8	-19	54.1	25.87	50.9	24.11	48	17.94	46.1	21.58	44.7	20.73	41.6	19.12
	-16.7	-17	54.1	24.7	50.9	23.03	48	17.13	46.1	20.62	44.7	19.86	41.6	18.32
	-13.7	-15	54.1	23.51	50.9	21.94	48	16.33	46.1	19.66	44.7	18.93	41.6	17.49
	-11.8	-13	54.1	22.33	50.9	20.85	48	15.53	46.1	18.68	44.7	18	41.6	16.65
	-9.8	-11	54.1	21.14	50.9	19.77	48	14.73	46.1	17.72	44.7	17.08	41.6	15.85
	-9.5	-10	54.1	20.57	50.9	19.21	48	14.35	46.1	17.29	44.7	16.65	41.6	15.4
	-8.5	-9.1	54.1	20.05	50.9	18.77	48	13.99	46.1	16.88	44.7	16.27	41.6	15.05
	-7	-7.6	54.1	19.21	50.9	18	48	13.42	46.1	16.2	44.7	15.63	41.6	14.48
	-5	-5.6	54.1	18.13	50.9	17.01	48	12.71	46.1	15.37	44.7	14.8	41.6	13.71
	-3	-3.7	54.1	17.17	50.9	16.11	48	12.04	46.1	14.57	44.7	14.03	41.6	13.03
	0	-0.7	54.1	15.76	50.9	14.8	48	11.11	46.1	13.39	44.7	12.94	41.6	12.04
20%	3	2.2	54.1	14.51	50.9	13.64	48	10.24	46.1	12.36	44.7	11.95	41.6	11.15
	5	4.1	54.1	13.75	50.9	12.94	48	9.73	46.1	11.75	44.7	11.4	41.6	10.6
	7	6	54.1	13.07	50.9	12.3	48	9.23	46.1	11.18	44.7	10.83	41.6	10.12
	9	7.9	54.1	12.39	50.9	11.72	48	8.78	46.1	10.67	44.7	10.31	41.6	9.63
	11	9.8	54.1	11.79	50.9	11.11	48	8.36	46.1	10.15	44.7	9.83	41.6	9.19
	13	11.8	54.1	11.24	50.9	10.6	48	7.95	46.1	9.67	44.7	9.35	41.6	8.78
	15	13.7	54.1	10.67	50.9	10.12	48	7.6	46.1	9.22	44.7	8.94	41.6	8.39
	-19.8	-20	36.1	17.07	34	15.89	32	14.74	30.7	14.19	29.8	13.67	27.8	12.58
	-18.8	-19	36.1	16.69	34	15.54	32	14.47	30.7	13.93	29.8	13.38	27.8	12.34
	-16.7	-17	36.1	15.95	34	14.86	32	13.81	30.7	13.29	29.8	12.81	27.8	11.82
	-13.7	-15	36.1	15.15	34	14.16	32	13.17	30.7	12.68	29.8	12.21	27.8	11.28
	-11.8	-13	36.1	14.41	34	13.45	32	12.52	30.7	12.05	29.8	11.62	27.8	10.73
	-9.8	-11	36.1	13.64	34	12.75	32	11.88	30.7	11.43	29.8	11.02	27.8	10.22
	-9.5	-10	36.1	13.26	34	12.39	32	11.56	30.7	11.15	29.8	10.73	27.8	9.93
	-8.5	-9.1	36.1	12.94	34	12.11	32	11.28	30.7	10.89	29.8	10.51	27.8	9.7
	-7	-7.6	36.1	12.39	34	11.62	32	10.82	30.7	10.45	29.8	10.09	27.8	9.35
	-5	-5.6	36.1	11.69	34	10.98	32	10.25	30.7	9.9	29.8	9.55	27.8	8.84
	-3	-3.7	36.1	11.08	34	10.41	32	9.7	30.7	9.39	29.8	9.06	27.8	8.42
	0	-0.7	36.1	10.16	34	9.55	32	8.96	30.7	8.65	29.8	8.36	27.8	7.76
	3	2.2	36.1	9.36	34	8.8	32	8.26	30.7	7.97	29.8	7.72	27.8	7.2
	5	4.1	36.1	8.87	34	8.36	32	7.84	30.7	7.59	29.8	7.34	27.8	6.83
	7	6	36.1	8.43	34	7.94	32	7.46	30.7	7.21	29.8	6.98	27.8	6.53
	9	7.9	36.1	8	34	7.56	32	7.08	30.7	6.88	29.8	6.66	27.8	6.21
	11	9.8	36.1	7.6	34	7.17	32	6.76	30.7	6.54	29.8	6.34	27.8	5.93
	13	11.8	36.1	7.24	34	6.83	32	6.41	30.7	6.24	29.8	6.02	27.8	5.67
	15	13.7	36.1	6.88	34	6.53	32	6.12	30.7	5.95	29.8	5.72	27.8	5.41

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR540ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	103.6	31.90	103.1	34.17	102.7	36.46	102.7	37.56	102.1	38.66	102.1	40.94
	-18.8	-19	105.2	32.62	104.6	34.84	104.6	37.11	104	38.23	104	39.24	103.6	41.53
	-16.7	-17	109.2	34.17	108.8	36.29	108.2	38.45	108.2	39.46	108.2	40.58	107.6	42.70
	-13.7	-15	113.9	35.73	113.3	37.77	112.7	39.83	112.7	40.87	112.3	41.90	112.3	43.95
	-11.8	-13	118.4	37.34	118.4	39.31	117.8	41.23	117.4	42.25	117.4	43.30	116.8	45.20
	-9.8	-11	123.9	38.95	123.5	40.87	122.9	42.70	122.9	43.66	122.9	44.61	122.5	46.52
	-9.5	-10	127	39.83	126.4	41.60	126	43.43	126	44.38	125.4	45.27	125.4	47.10
	-8.5	-9.1	129.6	40.49	129	42.25	129	44.10	128.6	44.98	128.6	45.85	128	47.70
	-7	-7.6	134.1	41.66	134.1	43.43	133.5	45.13	133.5	46.02	133.1	46.81	132.5	48.57
	-5	-5.6	141.2	43.30	140.8	44.90	140.2	46.52	140.2	47.40	139.6	48.15	139.6	49.75
	-3	-3.7	147.8	44.68	147.2	46.22	147.2	47.78	146.8	48.57	146.8	49.39	146.2	50.87
	0	-0.7	159.4	46.81	159.4	48.28	159	49.69	159	50.27	158.4	51.16	158.4	52.63
	3	2.2	172.2	48.80	171.6	50.12	171.2	51.45	171.2	52.11	171.2	52.84	170.6	54.11
	5	4.1	180.8	49.98	180.4	51.29	180.4	52.54	179.8	53.22	179.8	53.81	179.2	55.06
	7	6	190	51.22	189.4	52.34	189.4	53.59	188.8	54.17	188.8	54.76	181.4	52.63
	9	7.9	199.6	52.25	199.1	53.42	199.1	54.54	198.7	55.12	194.6	53.94	181.4	49.39
	11	9.8	209.9	53.29	209.3	54.37	208.3	55.06	201.2	52.92	194.6	50.70	181.4	46.52
	13	11.8	220.8	54.31	220.5	55.34	208.3	51.59	201.2	49.53	194.6	47.62	181.4	43.66
	15	13.7	231.6	55.26	221.4	52.41	208.3	48.57	201.2	46.74	194.6	44.84	181.4	41.23
120%	-19.8	-20	103.1	34.98	102.7	37.04	102.1	39.18	102.1	40.13	102.1	41.23	101.5	43.30
	-18.8	-19	104.6	35.64	104	37.70	104	39.76	103.7	40.71	103.7	41.83	103.1	43.88
	-16.7	-17	108.8	37.04	108.2	39.03	107.5	40.94	107.6	41.96	107.6	43.00	107.2	44.90
	-13.7	-15	113.3	38.51	112.7	40.42	112.3	42.25	112.3	43.30	112.3	44.18	111.7	46.08
	-11.8	-13	117.8	39.98	117.8	41.83	117.4	43.59	117.4	44.55	116.8	45.42	116.8	47.27
	-9.8	-11	123.5	41.53	122.9	43.21	122.9	44.98	122.5	45.85	122.5	46.67	121.9	48.44
	-9.5	-10	126.4	42.25	126	43.95	125.4	45.63	125.4	46.52	125.4	47.33	125.1	49.02
	-8.5	-9.1	129	42.91	128.6	44.55	128.6	46.22	128	47.03	128	47.92	127.4	49.53
	-7	-7.6	133.5	44.02	133.5	45.63	133.1	47.19	133.1	47.99	132.5	48.80	132.5	50.34
	-5	-5.6	140.8	45.42	140.2	46.97	139.6	48.50	139.6	49.23	139.6	50.05	139.2	51.45
	-3	-3.7	147.2	46.81	147.2	48.28	146.8	49.69	146.8	50.34	146.3	51.16	146.3	52.54
	0	-0.7	159	48.80	159	50.12	158.4	51.45	158.4	52.11	158	52.77	158	54.11
	3	2.2	171.6	50.64	171.2	51.82	171.2	53.06	170.6	53.72	170.6	54.31	167.1	54.02
	5	4.1	180.4	51.74	179.8	52.92	179.8	54.11	179.2	54.67	179.2	55.26	167.1	50.70
	7	6	189.4	52.77	189.4	53.88	189.1	54.97	185.9	54.24	179.8	52.04	167.1	47.70
	9	7.9	199.1	53.81	198.7	54.89	192	53.06	185.9	50.94	179.8	48.87	167.1	44.90
	11	9.8	209.3	54.76	204.2	53.81	192	49.91	185.9	47.99	179.8	46.02	167.1	42.33
	13	11.8	216.9	54.24	204.2	50.50	192	46.81	185.9	45.07	179.8	43.30	167.1	39.83
	15	13.7	216.9	51.09	204.2	47.55	192	44.18	185.9	42.41	179.8	40.78	167.1	37.56
110%	-19.8	-20	102.7	38.06	102.1	39.90	101.5	41.83	101.5	42.78	101.7	43.73	101.1	45.63
	-18.8	-19	104	38.66	103.7	40.49	103.7	42.41	103.7	43.30	103.1	44.25	103.1	46.15
	-16.7	-17	108.2	39.90	107.6	41.75	109.2	43.59	107.2	44.47	107.2	45.33	106.6	47.10
	-13.7	-15	112.7	41.30	112.3	43.00	111.7	44.77	111.7	45.63	111.7	46.52	111.3	48.22
	-11.8	-13	117.4	42.70	117.4	44.32	116.8	45.93	116.8	46.81	116.4	47.62	116.4	49.32
	-9.8	-11	122.9	44.02	122.5	45.63	122.5	47.19	121.9	47.99	121.9	48.80	121.9	50.34
	-9.5	-10	126	44.77	125.4	46.22	124.8	47.85	124.8	48.57	124.8	49.39	124.5	50.94
	-8.5	-9.1	128.6	45.33	128	46.81	128	48.35	127.4	49.17	127.4	49.91	127.4	45.50
	-7	-7.6	133.1	46.38	133.1	47.78	132.5	49.23	132.5	49.98	132.5	50.70	132.1	52.17
	-5	-5.6	140.2	47.70	139.6	49.10	139.2	50.42	139.2	51.16	139.2	51.82	138.6	53.29
	-3	-3.7	146.8	48.87	146.8	50.21	146.3	51.52	146.3	52.17	145.9	52.84	145.9	54.17
	0	-0.7	158.4	50.70	158.4	51.95	158	53.22	158	53.81	158	54.37	153.3	53.36
	3	2.2	171.2	52.41	170.6	53.51	170.6	54.67	170.2	55.19	164.5	52.92	153.3	48.57
	5	4.1	179.8	53.42	179.8	54.54	176.3	54.02	170.2	51.82	164.5	49.75	153.3	45.63
	7	6	188.8	54.37	187.5	54.76	176.3	50.70	170.2	48.74	164.5	46.81	153.3	43.00
	9	7.9	198.7	55.26	187.5	51.45	176.3	47.70	170.2	45.85	164.5	44.02	153.3	40.49
	11	9.8	198.7	52.04	187.5	48.44	176.3	44.90	170.2	43.21	164.5	41.53	153.3	38.23
	13	11.8	198.7	48.80	187.5	45.42	176.3	42.18	170.2	40.65	164.5	39.03	153.3	36.03
	15	13.7	198.7	43.30	187.5	42.85	176.3	39.83	170.2	38.36	164.5	36.89	153.3	34.03

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	102.1	41.08	101.5	42.78	101.5	44.55	101.1	45.42	101.1	46.22	100.5	47.99
	-18.8	-19	103.7	41.60	103.7	43.30	103.1	45.07	103.1	45.93	102.7	46.81	102.7	48.50
	-16.7	-17	107.6	42.78	107.2	44.47	107.2	46.08	106.6	46.90	106.6	47.70	106.6	49.39
	-13.7	-15	112.3	44.02	111.7	45.63	111.3	47.19	111.3	47.99	111.3	48.80	110.7	50.34
	-11.8	-13	116.8	45.33	116.8	46.81	116.4	48.28	116.4	49.10	116.4	49.82	115.8	51.37
	-9.8	-11	122.5	46.52	121.9	47.99	121.9	49.46	121.9	50.21	121.3	50.87	121.3	52.34
	-9.5	-10	125.4	47.19	125.1	48.57	125.1	49.98	124.5	50.70	124.5	51.45	123.9	52.84
	-8.5	-9.1	128	47.70	127.4	49.17	127.4	50.50	127.4	51.16	127	51.89	127	53.22
	-7	-7.6	132.5	48.65	132.5	49.98	132.1	51.29	132.1	52.04	132.1	52.63	131.5	54.02
	-5	-5.6	139.6	49.91	139.2	51.16	139.2	52.41	138.6	52.99	138.6	53.65	138.2	54.97
	-3	-3.7	146.3	51.00	146.3	52.30	145.9	53.42	145.9	54.02	145.9	54.60	139.6	52.34
	0	-0.7	158	52.63	158	53.81	157.4	54.89	154.9	54.02	149.8	51.74	139.6	47.49
	3	2.2	170.6	54.17	170.2	55.19	160	51.09	154.9	49.10	149.8	47.10	139.6	43.30
	5	4.1	179.2	55.19	170.2	51.82	160	47.99	154.9	46.22	149.8	44.38	139.6	40.78
	7	6	180.4	52.34	170.2	48.74	160	45.20	154.9	43.50	149.8	41.83	139.6	38.45
90%	9	7.9	180.4	49.17	170.2	45.85	160	42.55	154.9	40.42	149.8	39.40	139.6	36.29
	11	9.8	180.4	46.30	170.2	43.21	160	40.13	154.9	38.66	149.8	37.18	139.6	34.26
	13	11.8	180.4	43.50	170.2	40.65	160	37.77	154.9	36.38	149.8	35.06	139.6	32.34
	15	13.7	180.4	41.01	170.2	38.36	160	35.73	154.9	34.39	149.8	33.08	139.6	30.66
	-19.8	-20	101.4	44.18	100.8	45.63	100.8	47.27	100.4	47.99	100.4	48.80	100.4	50.34
	-18.8	-19	103	44.61	103	46.22	102.4	47.70	102.4	48.50	102.4	49.23	102	50.79
	-16.7	-17	106.9	45.72	106.5	47.19	106.5	48.65	106.5	49.39	105.9	50.12	105.9	51.59
	-13.7	-15	111.6	46.81	111	48.28	111	49.69	110.4	50.34	110.4	51.09	110.4	52.47
	-11.8	-13	116.1	47.99	116.1	49.32	115.6	50.64	115.6	51.37	115.6	52.04	115.2	53.36
	-9.8	-11	121.6	49.10	121.6	50.34	121.2	51.66	121.2	52.34	121.2	52.99	120.6	54.31
	-9.5	-10	124.8	49.69	124.2	50.94	124.2	52.17	123.8	52.84	123.8	53.51	123.8	54.67
	-8.5	-9.1	127.3	50.21	127.3	51.45	126.7	52.63	126.7	53.22	126.7	53.88	125.2	54.37
	-7	-7.6	131.8	51.00	131.8	52.17	131.2	53.42	131.2	54.02	131.2	54.60	125.2	51.95
	-5	-5.6	138.9	52.11	138.5	53.22	138.5	54.37	137.9	54.97	134.4	53.22	125.2	48.80
	-3	-3.7	145.6	53.14	145.6	54.17	144	54.37	138.9	52.25	134.4	50.12	125.2	46.02
80%	0	-0.7	157.7	54.67	153.2	53.29	144	49.39	138.9	47.40	134.4	45.56	125.2	41.83
	3	2.2	162.2	52.04	153.2	48.50	144	44.98	138.9	43.30	134.4	41.53	125.2	38.29
	5	4.1	162.2	48.94	153.2	45.63	144	42.41	138.9	40.71	134.4	39.24	125.2	36.09
	7	6	162.2	46.02	153.2	43.00	144	39.90	138.9	38.45	134.4	36.98	125.2	34.09
	9	7.9	162.2	43.37	153.2	40.42	144	37.63	138.9	36.29	134.4	34.91	125.2	32.26
	11	9.8	162.2	40.87	153.2	38.15	144	35.57	138.9	34.26	134.4	33.01	125.2	30.49
	13	11.8	162.2	38.45	153.2	36.03	144	33.51	138.9	32.34	134.4	31.15	125.2	28.82
	15	13.7	162.2	36.29	153.2	33.96	144	31.74	138.9	30.66	134.4	29.54	125.2	27.34
	-19.8	-20	101.1	47.19	100.5	48.57	100.5	49.98	100.5	50.64	100.1	51.37	100.1	52.70
	-18.8	-19	102.7	47.62	102.7	49.02	102.1	50.34	102.1	51.09	102.1	51.74	101.5	53.14
	-16.7	-17	106.6	48.57	106.2	49.91	106.2	51.22	106.2	51.89	106.2	52.54	105.6	53.81
	-13.7	-15	111.3	49.62	110.7	50.87	110.7	52.11	110.7	52.70	110.1	53.36	110.1	54.67
	-11.8	-13	115.8	50.57	115.8	51.82	115.2	52.99	115.2	53.59	115.2	54.24	111.7	52.77
	-9.8	-11	121.3	51.59	121.3	52.77	120.9	53.94	120.9	54.46	120	54.37	111.7	49.82
	-9.5	-10	124.5	52.11	123.9	53.22	123.9	54.37	123.9	54.97	120	52.77	111.7	48.35
	-8.5	-9.1	127	52.63	118.1	53.72	126.4	54.76	123.9	53.51	120	51.37	111.7	47.10

Note: TC: Total capacity, PI: Power input.

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## Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	100.4	50.27	99.8	51.45	99.8	52.63	99.8	53.22	99.8	53.88	97.3	53.29
	-18.8	-19	101.8	50.64	101.8	51.82	101.4	52.99	101.4	53.59	101.4	54.24	97.3	52.17
	-16.7	-17	105.9	51.45	105.9	52.63	105.3	53.81	105.3	54.37	104.4	48.44	97.3	49.75
	-13.7	-15	110.4	52.34	110	53.51	110	54.60	107.9	53.81	104.4	51.59	97.3	47.33
	-11.8	-13	114.9	53.22	114.9	54.31	112	52.99	107.9	50.94	104.4	48.87	97.3	44.84
	-9.8	-11	120.6	54.11	119.1	54.11	112	50.05	107.9	48.15	104.4	46.22	97.3	42.41
	-9.5	-10	123.6	54.60	119.1	52.47	112	48.57	107.9	46.74	104.4	44.90	97.3	41.23
	-8.5	-9.1	126.1	54.89	119.1	51.09	112	47.33	107.9	45.50	104.4	43.73	97.3	40.19
	-7	-7.6	126.1	52.41	119.1	48.80	112	45.27	107.9	43.59	104.4	41.83	97.3	38.51
	-5	-5.6	126.1	49.23	119.1	45.93	112	42.62	107.9	40.94	104.4	48.44	97.3	36.29
	-3	-3.7	126.1	46.38	119.1	43.30	112	40.19	107.9	38.66	104.4	37.18	97.3	34.33
	0	-0.7	126.1	42.18	119.1	39.46	112	36.68	107.9	35.34	104.4	34.03	97.3	31.45
	3	2.2	126.1	38.58	119.1	36.09	112	33.66	107.9	32.42	104.4	31.24	97.3	28.89
	5	4.1	126.1	36.38	119.1	34.03	112	31.83	107.9	30.66	104.4	29.54	97.3	27.34
	7	6	126.1	34.39	119.1	32.19	112	30.07	107.9	29.02	104.4	28.00	97.3	25.94
	9	7.9	126.1	32.49	119.1	30.49	112	28.44	107.9	27.48	104.4	26.53	97.3	24.62
	11	9.8	126.1	30.72	119.1	28.82	112	26.99	107.9	26.10	104.4	25.22	97.3	23.38
	13	11.8	126.1	29.02	119.1	27.25	112	25.51	107.9	24.70	104.4	23.82	97.3	22.20
	15	13.7	126.1	27.55	119.1	25.87	112	24.25	107.9	23.45	104.4	22.63	97.3	21.16
60%	-19.8	-20	100.1	53.29	99.5	54.31	96	52.25	93.1	50.21	89.9	48.22	83.8	44.18
	-18.8	-19	101.5	53.65	101.5	54.67	96	51.16	93.1	49.10	89.9	47.10	83.8	43.30
	-16.7	-17	105.6	54.37	102.1	52.63	96	48.80	93.1	46.90	89.9	45.07	83.8	41.38
	-13.7	-15	108.2	53.81	102.1	49.98	96	46.38	93.1	44.61	89.9	42.85	83.8	39.40
	-11.8	-13	108.2	50.87	102.1	47.33	96	43.95	93.1	42.33	89.9	40.65	83.8	37.63
	-9.8	-11	108.2	48.07	102.1	44.77	96	41.60	93.1	40.06	89.9	38.51	83.8	35.51
	-9.5	-10	108.2	46.74	102.1	43.59	96	40.42	93.1	38.95	89.9	37.48	83.8	34.55
	-8.5	-9.1	108.2	45.50	102.1	42.41	96	39.46	93.1	37.99	89.9	36.52	83.8	33.66
	-7	-7.6	108.2	43.50	102.1	40.65	96	37.77	93.1	36.38	89.9	34.98	83.8	32.34
	-5	-5.6	108.2	40.94	102.1	38.29	96	35.64	93.1	34.33	89.9	33.08	83.8	30.57
	-3	-3.7	108.2	38.66	102.1	36.16	96	33.66	93.1	32.49	89.9	31.31	83.8	28.95
	0	-0.7	108.2	35.34	102.1	33.08	96	30.86	93.1	29.84	89.9	28.73	83.8	26.60
	3	2.2	108.2	32.42	102.1	30.42	96	28.44	93.1	27.42	89.9	26.47	83.8	24.54
	5	4.1	108.2	30.66	102.1	28.73	96	26.90	93.1	26.02	89.9	25.05	83.8	23.30
	7	6	108.2	29.02	102.1	27.25	96	25.51	93.1	24.62	89.9	23.82	83.8	22.11
	9	7.9	108.2	27.48	102.1	25.80	96	24.17	93.1	23.45	89.9	22.57	83.8	21.10
	11	9.8	108.2	26.10	102.1	24.54	96	23.00	93.1	22.27	89.9	21.45	83.8	20.07
	13	11.8	108.2	24.62	102.1	23.22	96	21.82	93.1	21.16	89.9	20.43	83.8	19.10
	15	13.7	108.2	23.45	102.1	22.05	96	20.80	93.1	20.15	89.9	19.48	83.8	18.21
50%	-19.8	-20	90.2	48.50	85.1	45.13	80	41.90	77.1	40.35	74.5	38.81	69.4	35.73
	-18.8	-19	90.2	47.40	85.1	44.18	80	41.08	77.1	39.53	74.5	37.99	69.4	35.06
	-16.7	-17	90.2	45.27	85.1	42.18	80	39.24	77.1	37.77	74.5	36.38	69.4	33.58
	-13.7	-15	90.2	43.07	85.1	40.19	80	37.41	77.1	36.03	74.5	34.69	69.4	32.04
	-11.8	-13	90.2	40.94	85.1	38.23	80	35.57	77.1	34.26	74.5	33.01	69.4	30.49
	-9.8	-11	90.2	38.74	85.1	36.23	80	33.74	77.1	32.49	74.5	31.31	69.4	29.02
	-9.5	-10	90.2	37.70	85.1	35.21	80	32.86	77.1	31.67	74.5	30.49	69.4	28.22
	-8.5	-9.1	90.2	36.75	85.1	34.39	80	32.04	77.1	30.94	74.5	29.84	69.4	27.55
	-7	-7.6	90.2	35.21	85.1	33.01	80	30.72	77.1	29.70	74.5	28.66	69.4	26.53
	-5	-5.6	90.2	33.21	85.1	31.15	80	29.11	77.1	28.14	74.5	27.12	69.4	25.13
	-3	-3.7	90.2	31.45	85.1	29.54	80	27.55	77.1	26.69	74.5	25.72	69.4	23.88
	0	-0.7	90.2	28.89	85.1	27.12	80	25.42	77.1	24.54	74.5	23.75	69.4	22.05
	3	2.2	90.2	26.60	85.1	24.99	80	23.45	77.1	22.63	74.5	21.90	69.4	20.43
	5	4.1	90.2	25.22	85.1	23.75	80	22.27	77.1	21.53	74.5	20.87	69.4	19.40
	7	6	90.2	23.97	85.1	22.57	80	21.16	77.1	20.50	74.5	19.85	69.4	18.51
	9	7.9	90.2	22.70	85.1	21.45	80	20.15	77.1	19.55	74.5	18.90	69.4	17.65
	11	9.8	90.2	21.62	85.1	20.37	80	19.18	77.1	18.60	74.5	18.01	69.4	16.83
	13	11.8	90.2	20.58	85.1	19.40	80	18.21	77.1	17.72	74.5	17.13	69.4	16.09
	15	13.7	90.2	19.55	85.1	18.51	80	17.43	77.1	16.90	74.5	16.38	69.4	15.36

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	72	36.88	68.1	34.30	64	31.83	61.5	30.66	59.5	29.48	55.4	27.15
	-18.8	-19	72	36.03	68.1	33.57	64	31.22	61.5	30.05	59.5	28.89	55.4	26.64
	-16.7	-17	72	34.42	68.1	32.06	64	29.83	61.5	28.71	59.5	27.64	55.4	25.51
	-13.7	-15	72	32.72	68.1	30.56	64	28.43	61.5	27.38	59.5	26.36	55.4	24.36
	-11.8	-13	72	31.12	68.1	29.05	64	27.03	61.5	26.04	59.5	25.08	55.4	23.18
	-9.8	-11	72	29.44	68.1	27.54	64	25.65	61.5	24.70	59.5	23.79	55.4	22.07
	-9.5	-10	72	28.65	68.1	26.76	64	24.96	61.5	24.07	59.5	23.18	55.4	21.45
	-8.5	-9.1	72	27.94	68.1	26.14	64	24.36	61.5	23.52	59.5	22.67	55.4	20.95
	-7	-7.6	72	26.76	68.1	25.08	64	23.35	61.5	22.57	59.5	21.78	55.4	20.18
	-5	-5.6	72	25.25	68.1	23.68	64	22.11	61.5	21.39	59.5	20.61	55.4	19.10
	-3	-3.7	72	23.91	68.1	22.47	64	20.95	61.5	20.28	59.5	19.55	55.4	18.15
	0	-0.7	72	21.95	68.1	20.61	64	19.33	61.5	18.66	59.5	18.05	55.4	16.76
	3	2.2	72	20.22	68.1	18.99	64	17.81	61.5	17.20	59.5	16.64	55.4	15.52
	5	4.1	72	19.16	68.1	18.05	64	16.93	61.5	16.37	59.5	15.86	55.4	14.75
	7	6	72	18.21	68.1	17.16	64	16.09	61.5	15.58	59.5	15.07	55.4	14.08
30%	9	7.9	72	17.26	68.1	16.31	64	15.30	61.5	14.87	59.5	14.35	55.4	13.40
	11	9.8	72	16.41	68.1	15.46	64	14.57	61.5	14.12	59.5	13.69	55.4	12.80
	13	11.8	72	15.65	68.1	14.75	64	13.86	61.5	13.46	59.5	13.01	55.4	12.22
	15	13.7	72	14.87	68.1	14.08	64	13.23	61.5	12.84	59.5	12.45	55.4	11.67
	-19.8	-20	54.1	27.06	50.9	25.19	48	18.70	46.1	22.51	44.7	21.65	41.6	19.94
	-18.8	-19	54.1	26.45	50.9	24.66	48	18.35	46.1	22.07	44.7	21.20	41.6	19.55
	-16.7	-17	54.1	25.26	50.9	23.55	48	17.52	46.1	21.09	44.7	20.31	41.6	18.73
	-13.7	-15	54.1	24.04	50.9	22.44	48	16.70	46.1	20.10	44.7	19.36	41.6	17.89
	-11.8	-13	54.1	22.84	50.9	21.32	48	15.88	46.1	19.10	44.7	18.41	41.6	17.03
	-9.8	-11	54.1	21.62	50.9	20.22	48	15.06	46.1	18.12	44.7	17.47	41.6	16.21
	-9.5	-10	54.1	21.04	50.9	19.64	48	14.67	46.1	17.68	44.7	17.03	41.6	15.75
	-8.5	-9.1	54.1	20.50	50.9	19.19	48	14.31	46.1	17.26	44.7	16.64	41.6	15.39
	-7	-7.6	54.1	19.64	50.9	18.41	48	13.72	46.1	16.57	44.7	15.98	41.6	14.81
	-5	-5.6	54.1	18.54	50.9	17.39	48	13.00	46.1	15.72	44.7	15.13	41.6	14.02
	-3	-3.7	54.1	17.56	50.9	16.47	48	12.31	46.1	14.90	44.7	14.35	41.6	13.32
	0	-0.7	54.1	16.12	50.9	15.13	48	11.36	46.1	13.69	44.7	13.23	41.6	12.31
20%	3	2.2	54.1	14.84	50.9	13.95	48	10.47	46.1	12.64	44.7	12.22	41.6	11.40
	5	4.1	54.1	14.06	50.9	13.23	48	9.95	46.1	12.02	44.7	11.66	41.6	10.84
	7	6	54.1	13.37	50.9	12.58	48	9.44	46.1	11.43	44.7	11.08	41.6	10.35
	9	7.9	54.1	12.67	50.9	11.99	48	8.98	46.1	10.91	44.7	10.54	41.6	9.85
	11	9.8	54.1	12.06	50.9	11.36	48	8.55	46.1	10.38	44.7	10.05	41.6	9.40
	13	11.8	54.1	11.49	50.9	10.84	48	8.13	46.1	9.89	44.7	9.56	41.6	8.98
	15	13.7	54.1	10.91	50.9	10.35	48	7.77	46.1	9.43	44.7	9.14	41.6	8.58
	-19.8	-20	36.1	17.46	34	16.25	32	15.07	30.7	14.51	29.8	13.98	27.8	12.86
	-18.8	-19	36.1	17.07	34	15.89	32	14.80	30.7	14.25	29.8	13.68	27.8	12.62
	-16.7	-17	36.1	16.31	34	15.20	32	14.12	30.7	13.59	29.8	13.10	27.8	12.09
	-13.7	-15	36.1	15.49	34	14.48	32	13.47	30.7	12.97	29.8	12.49	27.8	11.54
	-11.8	-13	36.1	14.74	34	13.75	32	12.80	30.7	12.32	29.8	11.88	27.8	10.97
	-9.8	-11	36.1	13.95	34	13.04	32	12.15	30.7	11.69	29.8	11.27	27.8	10.45
	-9.5	-10	36.1	13.56	34	12.67	32	11.82	30.7	11.40	29.8	10.97	27.8	10.15
	-8.5	-9.1	36.1	13.23	34	12.38	32	11.54	30.7	11.14	29.8	10.75	27.8	9.92
	-7	-7.6	36.1	12.67	34	11.88	32	11.06	30.7	10.69	29.8	10.32	27.8	9.56
	-5	-5.6	36.1	11.95	34	11.23	32	10.48	30.7	10.12	29.8	9.77	27.8	9.04
	-3	-3.7	36.1	11.33	34	10.65	32	9.92	30.7	9.60	29.8	9.26	27.8	8.61
	0	-0.7	36.1	10.39	34	9.77	32	9.16	30.7	8.85	29.8	8.55	27.8	7.94
	3	2.2	36.1	9.57	34	9.00	32	8.45	30.7	8.15	29.8	7.89	27.8	7.36
	5	4.1	36.1	9.07	34	8.55	32	8.02	30.7	7.76	29.8	7.51	27.8	6.98
	7	6	36.1	8.62	34	8.12	32	7.63	30.7	7.37	29.8	7.14	27.8	6.68
	9	7.9	36.1	8.18	34	7.73	32	7.24	30.7	7.04	29.8	6.81	27.8	6.35
	11	9.8	36.1	7.77	34	7.33	32	6.91	30.7	6.69	29.8	6.48	27.8	6.06
	13	11.8	36.1	7.40	34	6.98	32	6.56	30.7	6.38	29.8	6.16	27.8	5.80
	15	13.7	36.1	7.04	34	6.68	32	6.26	30.7	6.08	29.8	5.88	27.8	5.53

Note: TC: Total capacity, PI: Power input.

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Sound Data

Installation

Operation Range

**■ TMR560ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	110	33.16	109.6	35.53	109.1	37.91	109.1	39.05	108.5	40.2	108.5	42.56
	-18.8	-19	111.7	33.92	111.1	36.22	111.1	38.59	110.5	39.75	110.5	40.8	110	43.18
	-16.7	-17	116.1	35.53	115.6	37.74	115	39.98	115	41.03	115	42.19	114.4	44.4
	-13.7	-15	121	37.15	120.4	39.27	119.8	41.42	119.8	42.5	119.3	43.57	119.3	45.7
	-11.8	-13	125.8	38.82	125.8	40.88	125.2	42.87	124.7	43.94	124.7	45.02	124.1	47
	-9.8	-11	131.7	40.51	131.2	42.5	130.6	44.4	130.6	45.39	130.6	46.38	130.1	48.38
	-9.5	-10	134.9	41.42	134.3	43.26	133.8	45.16	133.8	46.15	133.2	47.08	133.2	48.98
	-8.5	-9.1	137.7	42.1	137.1	43.94	137.1	45.86	136.6	46.77	136.6	47.68	136	49.6
	-7	-7.6	142.5	43.32	142.5	45.16	141.9	46.92	141.9	47.85	141.4	48.67	140.8	50.51
	-5	-5.6	150.1	45.02	149.6	46.69	149	48.38	149	49.29	148.4	50.06	148.4	51.73
	-3	-3.7	157	46.46	156.4	48.07	156.4	49.67	155.9	50.51	155.9	51.36	155.3	52.89
	0	-0.7	169.4	48.67	169.4	50.2	168.9	51.67	168.9	52.27	168.3	53.2	168.3	54.73
	3	2.2	183	50.74	182.4	52.12	181.9	53.49	181.9	54.19	181.9	54.95	181.3	56.26
	5	4.1	192.1	51.96	191.6	53.34	191.6	54.64	191	55.33	191	55.95	190.4	57.25
	7	6	201.8	53.26	201.2	54.42	201.2	55.72	200.6	56.32	200.6	56.94	192.7	54.73
	9	7.9	212	54.33	211.6	55.55	211.6	56.71	211.1	57.31	206.8	56.09	192.7	51.36
	11	9.8	223	55.41	222.4	56.54	221.3	57.25	213.7	55.02	206.8	52.72	192.7	48.38
	13	11.8	234.6	56.48	234.3	57.54	221.3	53.65	213.7	51.5	206.8	49.52	192.7	45.39
120%	15	13.7	246	57.47	235.2	54.5	221.3	50.51	213.7	48.61	206.8	46.63	192.7	42.87
	-19.8	-20	109.6	36.38	109.1	38.51	108.5	40.74	108.5	41.73	108.5	42.87	107.9	45.02
	-18.8	-19	111.1	37.06	110.5	39.21	110.5	41.34	110.2	42.33	110.2	43.49	109.6	45.62
	-16.7	-17	115.6	38.51	115	40.58	114.2	42.56	114.4	43.63	114.4	44.71	113.9	46.69
	-13.7	-15	120.4	40.04	119.8	42.04	119.3	43.94	119.3	45.02	119.3	45.93	118.7	47.91
	-11.8	-13	125.2	41.57	125.2	43.49	124.7	45.33	124.7	46.32	124.1	47.23	124.1	49.15
	-9.8	-11	131.2	43.18	130.6	44.93	130.6	46.77	130.1	47.68	130.1	48.53	129.5	50.37
	-9.5	-10	134.3	43.94	133.8	45.7	133.2	47.45	133.2	48.38	133.2	49.21	132.9	50.97
	-8.5	-9.1	137.1	44.62	136.6	46.32	136.6	48.07	136	48.9	136	49.83	135.4	51.5
	-7	-7.6	141.9	45.78	141.9	47.45	141.4	49.07	141.4	49.91	140.8	50.74	140.8	52.35
	-5	-5.6	149.6	47.23	149	48.84	148.4	50.43	148.4	51.19	148.4	52.04	147.9	53.49
	-3	-3.7	156.4	48.67	156.4	50.2	155.9	51.67	155.9	52.35	155.5	53.2	155.5	54.64
	0	-0.7	168.9	50.74	168.9	52.12	168.3	53.49	168.3	54.19	167.8	54.87	167.8	56.26
	3	2.2	182.4	52.66	181.9	53.88	181.9	55.18	181.3	55.86	181.3	56.48	177.6	56.17
	5	4.1	191.6	53.8	191	55.02	191	56.26	190.4	56.85	190.4	57.47	177.6	52.72
	7	6	201.2	54.87	201.2	56.03	200.9	57.16	197.5	56.4	191	54.11	177.6	49.6
	9	7.9	211.6	55.95	211.1	57.08	204	55.18	197.5	52.97	191	50.82	177.6	46.69
	11	9.8	222.4	56.94	217	55.95	204	51.9	197.5	49.91	191	47.85	177.6	44.02
110%	13	11.8	230.4	56.4	217	52.5	204	48.67	197.5	46.86	191	45.02	177.6	41.42
	15	13.7	230.4	53.12	217	49.44	204	45.93	197.5	44.09	191	42.41	177.6	39.05
	-19.8	-20	109.1	39.58	108.5	41.5	107.9	43.49	107.9	44.48	108	45.47	107.4	47.45
	-18.8	-19	110.5	40.2	110.2	42.1	110.2	44.09	110.2	45.02	109.6	46.01	109.6	47.99
	-16.7	-17	115	41.5	114.4	43.41	116.1	45.33	113.9	46.24	113.9	47.14	113.3	48.98
	-13.7	-15	119.8	42.95	119.3	44.71	118.7	46.55	118.7	47.45	118.7	48.38	118.2	50.14
	-11.8	-13	124.7	44.4	124.7	46.09	124.1	47.76	124.1	48.67	123.6	49.52	123.6	51.28
	-9.8	-11	130.6	45.78	130.1	47.45	130.1	49.07	129.5	49.91	129.5	50.74	129.5	52.35
	-9.5	-10	133.8	46.55	133.2	48.07	132.6	49.75	132.6	50.51	132.6	51.36	132.3	52.97
	-8.5	-9.1	136.6	47.14	136	48.67	136	50.28	135.4	51.13	135.4	51.9	135.4	47.31
	-7	-7.6	141.4	48.22	141.4	49.67	140.8	51.19	140.8	51.96	140.8	52.72	140.3	54.25
	-5	-5.6	149	49.6	148.4	51.05	147.9	52.43	147.9	53.2	147.9	53.88	147.3	55.41
	-3	-3.7	155.9	50.82	155.9	52.21	155.5	53.57	155.5	54.25	155	54.95	155	56.32
	0	-0.7	168.3	52.72	168.3	54.02	167.8	55.33	167.8	55.95	167.8	56.54	162.9	55.49
	3	2.2	181.9	54.5	181.3	55.64	181.3	56.85	180.8	57.39	174.8	55.02	162.9	50.51
	5	4.1	191	55.55	191	56.71	187.3	56.17	180.8	53.88	174.8	51.73	162.9	47.45
	7	6	200.6	56.54	199.2	56.94	187.3	52.72	180.8	50.68	174.8	48.67	162.9	44.71
	9	7.9	211.1	57.47	199.2	53.49	187.3	49.6	180.8	47.68	174.8	45.78	162.9	42.1
	11	9.8	211.1	54.11	199.2	50.37	187.3	46.69	180.8	44.93	174.8	43.18	162.9	39.75
	13	11.8	211.1	50.74	199.2	47.23	187.3	43.86	180.8	42.27	174.8	40.58	162.9	37.46
	15	13.7	211.1	45.02	199.2	44.56	187.3	41.42	180.8	39.89	174.8	38.36	162.9	35.39

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	108.5	42.72	107.9	44.48	107.9	46.32	107.4	47.23	107.4	48.07	106.8	49.91
	-18.8	-19	110.2	43.26	110.2	45.02	109.6	46.86	109.6	47.76	109.1	48.67	109.1	50.43
	-16.7	-17	114.4	44.48	113.9	46.24	113.9	47.91	113.3	48.76	113.3	49.6	113.3	51.36
	-13.7	-15	119.3	45.78	118.7	47.45	118.2	49.07	118.2	49.91	118.2	50.74	117.6	52.35
	-11.8	-13	124.1	47.14	124.1	48.67	123.6	50.2	123.6	51.05	123.6	51.81	123	53.42
	-9.8	-11	130.1	48.38	129.5	49.91	129.5	51.44	129.5	52.21	128.9	52.89	128.9	54.42
	-9.5	-10	133.2	49.07	132.9	50.51	132.9	51.96	132.3	52.72	132.3	53.49	131.7	54.95
	-8.5	-9.1	136	49.6	135.4	51.13	135.4	52.5	135.4	53.2	134.9	53.96	134.9	55.33
	-7	-7.6	140.8	50.59	140.8	51.96	140.3	53.34	140.3	54.11	140.3	54.73	139.7	56.17
	-5	-5.6	148.4	51.9	147.9	53.2	147.9	54.5	147.3	55.1	147.3	55.78	146.8	57.16
	-3	-3.7	155.5	53.03	155.5	54.14	155	55.55	155	56.17	155	56.77	148.4	59.42
	0	-0.7	167.8	54.73	167.8	55.95	167.2	57.08	164.6	56.17	159.2	53.8	148.4	49.38
	3	2.2	181.3	56.32	180.8	57.39	170	53.12	164.6	51.05	159.2	48.98	148.4	45.02
	5	4.1	190.4	57.39	180.8	53.88	170	49.91	164.6	48.07	159.2	46.15	148.4	42.41
	7	6	191.6	54.42	180.8	50.68	170	47	164.6	45.24	159.2	43.49	148.4	39.98
	9	7.9	191.6	51.13	180.8	47.68	170	44.25	164.6	42.04	159.2	40.97	148.4	37.74
	11	9.8	191.6	48.14	180.8	44.93	170	41.73	164.6	40.2	159.2	38.67	148.4	35.62
	13	11.8	191.6	45.24	180.8	42.27	170	39.27	164.6	37.83	159.2	36.46	148.4	33.63
	15	13.7	191.6	42.64	180.8	39.89	170	37.15	164.6	35.76	159.2	34.4	148.4	31.88
90%	-19.8	-20	107.7	45.93	107.1	47.45	107.1	49.15	106.6	49.91	106.6	50.74	106.6	52.35
	-18.8	-19	109.4	46.38	109.4	48.07	108.8	49.6	108.8	50.43	108.8	51.19	108.3	52.81
	-16.7	-17	113.6	47.54	113.1	49.07	113.1	50.59	113.1	51.36	112.5	52.12	112.5	53.65
	-13.7	-15	118.5	48.67	117.9	50.2	117.9	51.67	117.3	52.35	117.3	53.12	117.3	54.56
	-11.8	-13	123.3	49.91	123.3	51.28	122.9	52.66	122.9	53.42	122.9	54.11	122.4	55.49
	-9.8	-11	129.2	51.05	129.2	52.35	128.7	53.73	128.7	54.42	128.7	55.1	128.1	56.48
	-9.5	-10	132.6	51.67	132	52.97	132	54.25	131.5	54.95	131.5	55.64	131.5	56.85
	-8.5	-9.1	135.2	52.21	135.2	53.49	134.6	54.73	134.6	55.33	134.6	56.03	133.1	56.54
	-7	-7.6	140	53.03	140	54.25	139.4	55.55	139.4	56.17	139.4	56.77	133.1	54.02
	-5	-5.6	147.6	54.19	147.1	55.33	147.1	56.54	146.5	57.16	142.8	55.33	133.1	50.74
	-3	-3.7	154.7	55.26	154.7	56.32	153	56.54	147.6	54.33	142.8	52.12	133.1	47.85
	0	-0.7	167.5	56.85	162.7	55.41	153	51.36	147.6	49.29	142.8	47.37	133.1	43.49
	3	2.2	172.3	54.11	162.7	50.43	153	46.77	147.6	45.02	142.8	43.18	133.1	39.81
	5	4.1	172.3	50.9	162.7	47.45	153	44.09	147.6	42.33	142.8	40.8	133.1	37.52
	7	6	172.3	47.85	162.7	44.71	153	41.5	147.6	39.98	142.8	38.45	133.1	35.45
	9	7.9	172.3	45.1	162.7	42.04	153	39.13	147.6	37.74	142.8	36.3	133.1	33.55
	11	9.8	172.3	42.5	162.7	39.67	153	36.98	147.6	35.62	142.8	34.32	133.1	31.71
	13	11.8	172.3	39.98	162.7	37.46	153	34.85	147.6	33.63	142.8	32.39	133.1	29.96
	15	13.7	172.3	37.74	162.7	35.31	153	33.01	147.6	31.88	142.8	30.72	133.1	28.43
80%	-19.8	-20	107.4	49.07	106.8	50.51	106.8	51.96	106.8	52.66	106.3	53.42	106.3	54.79
	-18.8	-19	109.1	49.52	109.1	50.97	108.5	52.35	108.5	53.12	108.5	53.8	107.9	55.26
	-16.7	-17	113.3	50.51	112.8	51.9	112.8	53.26	112.8	53.96	112.8	54.64	112.2	55.95
	-13.7	-15	118.2	51.59	117.6	52.89	117.6	54.19	117.6	54.79	117	55.49	117	56.85
	-11.8	-13	123	52.58	123	53.88	122.4	55.1	122.4	55.72	122.4	56.4	118.7	54.87
	-9.8	-11	128.9	53.65	128.9	54.87	128.4	56.09	128.4	56.63	127.5	56.54	118.7	51.81
	-9.5	-10	132.3	54.19	131.7	55.33	131.7	56.54	131.7	57.16	127.5	54.87	118.7	50.28
	-8.5	-9.1	134.9	54.73	125.5	55.86	134.3	56.94	131.7	55.64	127.5	53.42	118.7	48.98
	-7	-7.6	139.7	55.49	139.7	56.54	136	55.33	131.7	53.2	127.5	51.05	118.7	46.86
	-5	-5.6	147.3	56.48	144.5	56.17	136	51.96	131.7	49.98	127.5	47.99	118.7	44.09
	-3	-3.7	153.3	56.77	144.5	52.89	136	48.98	131.7	47.14	127.5	45.24	118.7	41.65
	0	-0.7	153.3	51.5	144.5	47.99	136	44.56	131.7	42.87	127.5	41.19	118.7	37.97
	3	2.2	153.3	46.92	144.5	43.8	136	40.74	131.7	39.21	127.5	37.74	118.7	34.77
	5	4.1	153.3	44.17	144.5	41.28	136	38.36	131.7	36.98	127.5	35.62	118.7	32.87
	7	6	153.3	41.65	144.5	38.98	136	36.22	131.7	35	127.5	33.7	118.7	31.11
	9	7.9	153.3	39.27	144.5	36.75	136	34.23	131.7	33.01	127.5	31.88	118.7	29.5
	11	9.8	153.3	37.15	144.5	34.69	136	32.39	131.7	31.26	127.5	30.18	118.7	27.97
	13	11.8	153.3	35	144.5	32.79	136	30.64	131.7	29.58	127.5	28.51	118.7	26.44
	15	13.7	153.3	33.1	144.5	31.11	136	29.05	131.7	28.06	127.5	27.06	118.7	25.14

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	106.6	52.27	106	53.49	106	54.73	106	55.33	106	56.03	103.4	55.41
	-18.8	-19	108.2	52.66	108.2	53.88	107.7	55.1	107.7	55.72	107.7	56.4	103.4	54.25
	-16.7	-17	112.5	53.49	112.5	54.73	111.9	55.95	111.9	56.54	111	50.37	103.4	51.73
	-13.7	-15	117.3	54.42	116.8	55.64	116.8	56.77	114.7	55.95	111	53.65	103.4	49.21
	-11.8	-13	122.1	55.33	122.1	56.48	119	55.1	114.7	52.97	111	50.82	103.4	46.63
	-9.8	-11	128.1	56.26	126.6	56.26	119	52.04	114.7	50.06	111	48.07	103.4	44.09
	-9.5	-10	131.4	56.77	126.6	54.56	119	50.51	114.7	48.61	111	46.69	103.4	42.87
	-8.5	-9.1	134	57.08	126.6	53.12	119	49.21	114.7	47.31	111	45.47	103.4	41.79
	-7	-7.6	134	54.5	126.6	50.74	119	47.08	114.7	45.33	111	43.49	103.4	40.04
	-5	-5.6	134	51.19	126.6	47.76	119	44.33	114.7	42.56	111	50.37	103.4	37.74
	-3	-3.7	134	48.22	126.6	45.02	119	41.79	114.7	40.2	111	38.67	103.4	35.7
	0	-0.7	134	43.86	126.6	41.03	119	38.14	114.7	36.75	111	35.39	103.4	32.7
	3	2.2	134	40.12	126.6	37.52	119	35	114.7	33.7	111	32.48	103.4	30.04
	5	4.1	134	37.83	126.6	35.39	119	33.1	114.7	31.88	111	30.72	103.4	28.43
	7	6	134	35.76	126.6	33.47	119	31.26	114.7	30.18	111	29.11	103.4	26.98
	9	7.9	134	33.78	126.6	31.71	119	29.58	114.7	28.57	111	27.58	103.4	25.6
	11	9.8	134	31.94	126.6	29.96	119	28.06	114.7	27.13	111	26.22	103.4	24.3
	13	11.8	134	30.18	126.6	28.34	119	26.53	114.7	25.68	111	24.77	103.4	23.08
	15	13.7	134	28.65	126.6	26.9	119	25.22	114.7	24.38	111	23.53	103.4	22
60%	-19.8	-20	106.3	55.41	105.7	56.48	102	54.33	98.9	52.21	95.5	50.14	89	45.93
	-18.8	-19	107.9	55.78	107.9	56.85	102	53.2	98.9	51.05	95.5	48.98	89	45.02
	-16.7	-17	112.2	56.54	108.5	54.73	102	50.74	98.9	48.76	95.5	46.86	89	43.03
	-13.7	-15	115	55.95	108.5	51.96	102	48.22	98.9	46.38	95.5	44.56	89	40.97
	-11.8	-13	115	52.89	108.5	49.21	102	45.7	98.9	44.02	95.5	42.27	89	39.13
	-9.8	-11	115	49.98	108.5	46.55	102	43.26	98.9	41.65	95.5	40.04	89	36.92
	-9.5	-10	115	48.61	108.5	45.33	102	42.04	98.9	40.51	95.5	38.98	89	35.93
	-8.5	-9.1	115	47.31	108.5	44.09	102	41.03	98.9	39.5	95.5	37.97	89	35
	-7	-7.6	115	45.24	108.5	42.27	102	39.27	98.9	37.83	95.5	36.38	89	33.63
	-5	-5.6	115	42.56	108.5	39.81	102	37.06	98.9	35.7	95.5	34.4	89	31.79
	-3	-3.7	115	40.2	108.5	37.6	102	35	98.9	33.78	95.5	32.56	89	30.1
	0	-0.7	115	36.75	108.5	34.4	102	32.1	98.9	31.03	95.5	29.87	89	27.66
	3	2.2	115	33.7	108.5	31.63	102	29.58	98.9	28.51	95.5	27.52	89	25.53
	5	4.1	115	31.88	108.5	29.87	102	27.97	98.9	27.06	95.5	26.05	89	24.23
	7	6	115	30.18	108.5	28.34	102	26.53	98.9	25.6	95.5	24.77	89	22.99
	9	7.9	115	28.57	108.5	26.82	102	25.14	98.9	24.38	95.5	23.47	89	21.94
	11	9.8	115	27.13	108.5	25.53	102	23.92	98.9	23.16	95.5	22.31	89	20.87
	13	11.8	115	25.6	108.5	24.15	102	22.7	98.9	22	95.5	21.24	89	19.87
	15	13.7	115	24.38	108.5	22.93	102	21.63	98.9	20.95	95.5	20.25	89	18.94
50%	-19.8	-20	95.8	50.43	90.4	46.92	85	43.57	81.9	41.96	79.1	40.35	73.7	37.15
	-18.8	-19	95.8	49.29	90.4	45.93	85	42.72	81.9	41.11	79.1	39.5	73.7	36.46
	-16.7	-17	95.8	47.08	90.4	43.86	85	40.8	81.9	39.27	79.1	37.83	73.7	34.93
	-13.7	-15	95.8	44.79	90.4	41.79	85	38.9	81.9	37.46	79.1	36.07	73.7	33.32
	-11.8	-13	95.8	42.56	90.4	39.75	85	36.98	81.9	35.62	79.1	34.32	73.7	31.71
	-9.8	-11	95.8	40.27	90.4	37.68	85	35.08	81.9	33.78	79.1	32.56	73.7	30.18
	-9.5	-10	95.8	39.21	90.4	36.61	85	34.17	81.9	32.93	79.1	31.71	73.7	29.34
	-8.5	-9.1	95.8	38.22	90.4	35.76	85	33.32	81.9	32.17	79.1	31.03	73.7	28.65
	-7	-7.6	95.8	36.61	90.4	34.32	85	31.94	81.9	30.87	79.1	29.81	73.7	27.58
	-5	-5.6	95.8	34.54	90.4	32.39	85	30.27	81.9	29.27	79.1	28.2	73.7	26.13
	-3	-3.7	95.8	32.7	90.4	30.72	85	28.65	81.9	27.75	79.1	26.75	73.7	24.83
	0	-0.7	95.8	30.04	90.4	28.2	85	26.44	81.9	25.53	79.1	24.69	73.7	22.93
	3	2.2	95.8	27.66	90.4	25.99	85	24.38	81.9	23.53	79.1	22.77	73.7	21.24
	5	4.1	95.8	26.22	90.4	24.69	85	23.16	81.9	22.39	79.1	21.71	73.7	20.18
	7	6	95.8	24.92	90.4	23.47	85	22	81.9	21.32	79.1	20.64	73.7	19.25
	9	7.9	95.8	23.61	90.4	22.31	85	20.95	81.9	20.33	79.1	19.65	73.7	18.35
	11	9.8	95.8	22.48	90.4	21.18	85	19.94	81.9	19.34	79.1	18.72	73.7	17.5
	13	11.8	95.8	21.4	90.4	20.18	85	18.94	81.9	18.43	79.1	17.81	73.7	16.73
	15	13.7	95.8	20.33	90.4	19.25	85	18.12	81.9	17.58	79.1	17.04	73.7	15.97

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	76.5	38.34	72.3	35.67	68	33.1	65.4	31.88	63.2	30.66	58.9	28.23
	-18.8	-19	76.5	37.46	72.3	34.91	68	32.47	65.4	31.25	63.2	30.04	58.9	27.71
	-16.7	-17	76.5	35.79	72.3	33.33	68	31.01	65.4	29.85	63.2	28.74	58.9	26.53
	-13.7	-15	76.5	34.03	72.3	31.77	68	29.56	65.4	28.46	63.2	27.41	58.9	25.32
	-11.8	-13	76.5	32.36	72.3	30.21	68	28.11	65.4	27.07	63.2	26.08	58.9	24.1
	-9.8	-11	76.5	30.61	72.3	28.63	68	26.67	65.4	25.68	63.2	24.74	58.9	22.94
	-9.5	-10	76.5	29.79	72.3	27.83	68	25.96	65.4	25.03	63.2	24.1	58.9	22.31
	-8.5	-9.1	76.5	29.05	72.3	27.18	68	25.32	65.4	24.46	63.2	23.58	58.9	21.78
	-7	-7.6	76.5	27.83	72.3	26.08	68	24.27	65.4	23.47	63.2	22.65	58.9	20.98
	-5	-5.6	76.5	26.25	72.3	24.63	68	22.99	65.4	22.25	63.2	21.43	58.9	19.87
	-3	-3.7	76.5	24.86	72.3	23.36	68	21.78	65.4	21.09	63.2	20.33	58.9	18.88
	0	-0.7	76.5	22.82	72.3	21.43	68	20.1	65.4	19.4	63.2	18.77	58.9	17.42
	3	2.2	76.5	21.03	72.3	19.74	68	18.52	65.4	17.89	63.2	17.3	58.9	16.14
	5	4.1	76.5	19.93	72.3	18.77	68	17.61	65.4	17.02	63.2	16.5	58.9	15.34
	7	6	76.5	18.94	72.3	17.84	68	16.73	65.4	16.2	63.2	15.68	58.9	14.64
30%	9	7.9	76.5	17.95	72.3	16.96	68	15.91	65.4	15.46	63.2	14.92	58.9	13.93
	11	9.8	76.5	17.07	72.3	16.08	68	15.15	65.4	14.69	63.2	14.24	58.9	13.31
	13	11.8	76.5	16.26	72.3	15.34	68	14.41	65.4	13.99	63.2	13.53	58.9	12.71
	15	13.7	76.5	15.46	72.3	14.64	68	13.76	65.4	13.36	63.2	12.94	58.9	12.14
	-19.8	-20	57.5	28.14	54.1	26.19	51	19.45	49	23.41	47.4	22.51	44.2	20.73
	-18.8	-19	57.5	27.5	54.1	25.63	51	19.08	49	22.94	47.4	22.05	44.2	20.33
	-16.7	-17	57.5	26.27	54.1	24.49	51	18.21	49	21.92	47.4	21.12	44.2	19.48
	-13.7	-15	57.5	25	54.1	23.33	51	17.36	49	20.9	47.4	20.13	44.2	18.6
	-11.8	-13	57.5	23.75	54.1	22.17	51	16.51	49	19.87	47.4	19.14	44.2	17.7
	-9.8	-11	57.5	22.48	54.1	21.03	51	15.66	49	18.85	47.4	18.17	44.2	16.85
	-9.5	-10	57.5	21.88	54.1	20.42	51	15.26	49	18.38	47.4	17.7	44.2	16.37
	-8.5	-9.1	57.5	21.32	54.1	19.96	51	14.87	49	17.95	47.4	17.3	44.2	16
	-7	-7.6	57.5	20.42	54.1	19.14	51	14.27	49	17.22	47.4	16.62	44.2	15.4
	-5	-5.6	57.5	19.28	54.1	18.09	51	13.51	49	16.34	47.4	15.74	44.2	14.58
	-3	-3.7	57.5	18.26	54.1	17.13	51	12.8	49	15.49	47.4	14.92	44.2	13.85
	0	-0.7	57.5	16.76	54.1	15.74	51	11.81	49	14.24	47.4	13.76	44.2	12.8
20%	3	2.2	57.5	15.43	54.1	14.5	51	10.88	49	13.14	47.4	12.71	44.2	11.86
	5	4.1	57.5	14.63	54.1	13.76	51	10.34	49	12.49	47.4	12.12	44.2	11.27
	7	6	57.5	13.9	54.1	13.08	51	9.82	49	11.89	47.4	11.52	44.2	10.76
	9	7.9	57.5	13.17	54.1	12.46	51	9.34	49	11.35	47.4	10.96	44.2	10.23
	11	9.8	57.5	12.54	54.1	11.81	51	8.89	49	10.79	47.4	10.45	44.2	9.77
	13	11.8	57.5	11.95	54.1	11.27	51	8.46	49	10.28	47.4	9.94	44.2	9.34
	15	13.7	57.5	11.35	54.1	10.76	51	8.09	49	9.8	47.4	9.51	44.2	8.92
	-19.8	-20	38.3	18.15	36.2	16.9	34	15.68	32.6	15.09	31.7	14.53	29.5	13.37
	-18.8	-19	38.3	17.75	36.2	16.53	34	15.38	32.6	14.81	31.7	14.22	29.5	13.13
	-16.7	-17	38.3	16.96	36.2	15.8	34	14.69	32.6	14.13	31.7	13.62	29.5	12.57
	-13.7	-15	38.3	16.11	36.2	15.06	34	14.01	32.6	13.48	31.7	12.99	29.5	12
	-11.8	-13	38.3	15.32	36.2	14.3	34	13.31	32.6	12.82	31.7	12.35	29.5	11.41
	-9.8	-11	38.3	14.5	36.2	13.56	34	12.63	32.6	12.15	31.7	11.72	29.5	10.87
	-9.5	-10	38.3	14.1	36.2	13.17	34	12.29	32.6	11.86	31.7	11.41	29.5	10.56
	-8.5	-9.1	38.3	13.76	36.2	12.88	34	12	32.6	11.58	31.7	11.18	29.5	10.31
	-7	-7.6	38.3	13.17	36.2	12.35	34	11.5	32.6	11.12	31.7	10.73	29.5	9.94
	-5	-5.6	38.3	12.43	36.2	11.67	34	10.9	32.6	10.53	31.7	10.16	29.5	9.4
	-3	-3.7	38.3	11.78	36.2	11.07	34	10.31	32.6	9.99	31.7	9.63	29.5	8.95
	0	-0.7	38.3	10.81	36.2	10.16	34	9.52	32.6	9.2	31.7	8.89	29.5	8.26
	3	2.2	38.3	9.96	36.2	9.35	34	8.78	32.6	8.47	31.7	8.21	29.5	7.65
	5	4.1	38.3	9.43	36.2	8.89	34	8.33	32.6	8.07	31.7	7.81	29.5	7.27
	7	6	38.3	8.97	36.2	8.44	34	7.93	32.6	7.67	31.7	7.42	29.5	6.94
	9	7.9	38.3	8.5	36.2	8.04	34	7.53	32.6	7.31	31.7	7.08	29.5	6.6
	11	9.8	38.3	8.09	36.2	7.62	34	7.19	32.6	6.96	31.7	6.74	29.5	6.31
	13	11.8	38.3	7.7	36.2	7.27	34	6.82	32.6	6.63	31.7	6.4	29.5	6.03
	15	13.7	38.3	7.31	36.2	6.94	34	6.51	32.6	6.32	31.7	6.04	29.5	5.75

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR580ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	110	33.87	109.6	36.29	109.1	38.72	109.1	39.88	108.5	41.06	108.5	43.47
	-18.8	-19	111.7	34.64	111.1	36.99	111.1	39.41	110.5	40.60	110.5	41.67	110	44.10
	-16.7	-17	116.1	36.29	115.6	38.54	115	40.83	115	41.90	115	43.09	114.4	45.34
	-13.7	-15	121	37.94	120.4	40.11	119.8	42.30	119.8	43.40	119.3	44.50	119.3	46.67
	-11.8	-13	125.8	39.65	125.8	41.75	125.2	43.78	124.7	44.87	124.7	45.98	124.1	48.00
	-9.8	-11	131.7	41.37	131.2	43.40	130.6	45.34	130.6	46.36	130.6	47.37	130.1	49.41
	-9.5	-10	134.9	42.30	134.3	44.18	133.8	46.12	133.8	47.13	133.2	48.08	133.2	50.02
	-8.5	-9.1	137.7	43.00	137.1	44.87	137.1	46.84	136.6	47.77	136.6	48.69	136	50.66
	-7	-7.6	142.5	44.24	142.5	46.12	141.9	47.92	141.9	48.87	141.4	49.71	140.8	51.58
	-5	-5.6	150.1	45.98	149.6	47.68	149	49.41	149	50.34	148.4	51.13	148.4	52.83
	-3	-3.7	157	47.45	156.4	49.09	156.4	50.73	155.9	51.58	155.9	52.45	155.3	54.02
	0	-0.7	169.4	49.71	169.4	51.27	168.9	52.77	168.9	53.38	168.3	54.33	168.3	55.89
	3	2.2	183	51.82	182.4	53.23	181.9	54.63	181.9	55.34	181.9	56.12	181.3	57.46
	5	4.1	192.1	53.07	191.6	54.47	191.6	55.80	191	56.51	191	57.14	190.4	58.47
	7	6	201.8	54.39	201.2	55.58	201.2	56.91	200.6	57.52	200.6	58.15	192.7	55.89
	9	7.9	212	55.49	211.6	56.73	211.6	57.92	211.1	58.53	206.8	57.28	192.7	52.45
120%	11	9.8	223	56.59	222.4	57.74	221.3	58.47	213.7	56.19	206.8	53.84	192.7	49.41
	13	11.8	234.6	57.68	234.3	58.76	221.3	54.79	213.7	52.60	206.8	50.57	192.7	46.36
	15	13.7	246	58.69	235.2	55.66	221.3	51.58	213.7	49.64	206.8	47.62	192.7	43.78
	-19.8	-20	109.6	37.15	109.1	39.33	108.5	41.61	108.5	42.62	108.5	43.78	107.9	45.98
	-18.8	-19	111.1	37.85	110.5	40.04	110.5	42.22	110.2	43.23	110.2	44.42	109.6	46.59
	-16.7	-17	115.6	39.33	115	41.44	114.2	43.47	114.4	44.56	114.4	45.66	113.9	47.68
	-13.7	-15	120.4	40.89	119.8	42.93	119.3	44.87	119.3	45.98	119.3	46.91	118.7	48.93
	-11.8	-13	125.2	42.45	125.2	44.42	124.7	46.29	124.7	47.31	124.1	48.23	124.1	50.20
	-9.8	-11	131.2	44.10	130.6	45.89	130.6	47.77	130.1	48.69	130.1	49.56	129.5	51.44
	-9.5	-10	134.3	44.87	133.8	46.67	133.2	48.46	133.2	49.41	133.2	50.26	132.9	52.05
	-8.5	-9.1	137.1	45.57	136.6	47.31	136.6	49.09	136	49.94	136	50.89	135.4	52.60
	-7	-7.6	141.9	46.75	141.9	48.46	141.4	50.11	141.4	50.97	140.8	51.82	140.8	53.46
	-5	-5.6	149.6	48.23	149	49.88	148.4	51.50	148.4	52.28	148.4	53.15	147.9	54.63
	-3	-3.7	156.4	49.71	156.4	51.27	155.9	52.77	155.9	53.46	155.5	54.33	155.5	55.80
	0	-0.7	168.9	51.82	168.9	53.23	168.3	54.63	168.3	55.34	167.8	56.04	167.8	57.46
	3	2.2	182.4	53.78	181.9	55.03	181.9	56.35	181.3	57.05	181.3	57.68	177.6	57.37
110%	5	4.1	191.6	54.94	191	56.19	191	57.46	190.4	58.06	190.4	58.69	177.6	53.84
	7	6	201.2	56.04	201.2	57.22	200.9	58.38	197.5	57.60	191	55.26	177.6	50.66
	9	7.9	211.6	57.14	211.1	58.29	204	56.35	197.5	54.10	191	51.90	177.6	47.68
	11	9.8	222.4	58.15	217	57.14	204	53.00	197.5	50.97	191	48.87	177.6	44.96
	13	11.8	230.4	57.60	217	53.62	204	49.71	197.5	47.86	191	45.98	177.6	42.30
	15	13.7	230.4	54.25	217	50.49	204	46.91	197.5	45.03	191	43.31	177.6	39.88
	-19.8	-20	109.1	40.42	108.5	42.38	107.9	44.42	107.9	45.43	108	46.44	107.4	48.46
	-18.8	-19	110.5	41.06	110.2	43.00	110.2	45.03	110.2	45.98	109.6	46.99	109.6	49.01
	-16.7	-17	115	42.38	114.4	44.33	116.1	46.29	113.9	47.22	113.9	48.14	113.3	50.02
	-13.7	-15	119.8	43.86	119.3	45.66	118.7	47.54	118.7	48.46	118.7	49.41	118.2	51.21
	-11.8	-13	124.7	45.34	124.7	47.07	124.1	48.78	124.1	49.71	123.6	50.57	123.6	52.37
	-9.8	-11	130.6	46.75	130.1	48.46	130.1	50.11	129.5	50.97	129.5	51.82	129.5	53.46
	-9.5	-10	133.8	47.54	133.2	49.09	132.6	50.81	132.6	51.58	132.6	52.45	132.3	54.10
	-8.5	-9.1	136.6	48.14	136	49.71	136	51.35	135.4	52.22	135.4	53.00	135.4	48.32
	-7	-7.6	141.4	49.25	141.4	50.73	140.8	52.28	140.8	53.07	140.8	53.84	140.3	55.40
	-5	-5.6	149	50.66	148.4	52.14	147.9	53.55	147.9	54.33	147.9	55.03	147.3	56.59
	-3	-3.7	155.9	51.90	155.9	53.32	155.5	54.71	155.5	55.40	155	56.12	155	57.52
	0	-0.7	168.3	53.84	168.3	55.17	167.8	56.51	167.8	57.14	167.8	57.74	162.9	56.67
	3	2.2	181.9	55.66	181.3	56.82	181.3	58.06	180.8	58.61	174.8	56.19	162.9	51.58
	5	4.1	191	56.73	191	57.92	187.3	57.37	180.8	55.03	174.8	52.83	162.9	48.46
	7	6	200.6	57.74	199.2	58.15	187.3	53.84	180.8	51.76	174.8	49.71	162.9	45.66
	9	7.9	211.1	58.69	199.2	54.63	187.3	50.66	180.8	48.69	174.8	46.75	162.9	43.00
	11	9.8	211.1	55.26	199.2	51.44	187.3	47.68	180.8	45.89	174.8	44.10	162.9	40.60
	13	11.8	211.1	51.82	199.2	48.23	187.3	44.79	180.8	43.17	174.8	41.44	162.9	38.26
	15	13.7	211.1	45.98	199.2	45.51	187.3	42.30	180.8	40.74	174.8	39.18	162.9	36.14

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	108.5	43.63	107.9	45.43	107.9	47.31	107.4	48.23	107.4	49.09	106.8	50.97
	-18.8	-19	110.2	44.18	110.2	45.98	109.6	47.86	109.6	48.78	109.1	49.71	109.1	51.50
	-16.7	-17	114.4	45.43	113.9	47.22	113.9	48.93	113.3	49.80	113.3	50.66	113.3	52.45
	-13.7	-15	119.3	46.75	118.7	48.46	118.2	50.11	118.2	50.97	118.2	51.82	117.6	53.46
	-11.8	-13	124.1	48.14	124.1	49.71	123.6	51.27	123.6	52.14	123.6	52.91	123	54.56
	-9.8	-11	130.1	49.41	129.5	50.97	129.5	52.53	129.5	53.32	128.9	54.02	128.9	55.58
	-9.5	-10	133.2	50.11	132.9	51.58	132.9	53.07	132.3	53.84	132.3	54.63	131.7	56.12
	-8.5	-9.1	136	50.66	135.4	52.22	135.4	53.62	135.4	54.33	134.9	55.11	134.9	56.51
	-7	-7.6	140.8	51.67	140.8	53.07	140.3	54.47	140.3	55.26	140.3	55.89	139.7	57.37
	-5	-5.6	148.4	53.00	147.9	54.33	147.9	55.66	147.3	56.27	147.3	56.97	146.8	58.38
	-3	-3.7	155.5	54.16	155.5	49.16	155	56.73	155	57.37	155	57.98	148.4	55.58
	0	-0.7	167.8	55.89	167.8	57.14	167.2	58.29	164.6	57.37	159.2	54.94	148.4	50.43
	3	2.2	181.3	57.52	180.8	58.61	170	54.25	164.6	52.14	159.2	50.02	148.4	45.98
	5	4.1	190.4	58.61	180.8	55.03	170	50.97	164.6	49.09	159.2	47.13	148.4	43.31
	7	6	191.6	55.58	180.8	51.76	170	48.00	164.6	46.20	159.2	44.42	148.4	40.83
	9	7.9	191.6	52.22	180.8	48.69	170	45.19	164.6	42.93	159.2	41.84	148.4	38.54
90%	11	9.8	191.6	49.16	180.8	45.89	170	42.62	164.6	41.06	159.2	39.49	148.4	36.38
	13	11.8	191.6	46.20	180.8	43.17	170	40.11	164.6	38.63	159.2	37.24	148.4	34.35
	15	13.7	191.6	43.55	180.8	40.74	170	37.94	164.6	36.52	159.2	35.13	148.4	32.56
	-19.8	-20	107.7	46.91	107.1	48.46	107.1	50.20	106.6	50.97	106.6	51.82	106.6	53.46
	-18.8	-19	109.4	47.37	109.4	49.09	108.8	50.66	108.8	51.50	108.8	52.28	108.3	53.93
	-16.7	-17	113.6	48.55	113.1	50.11	113.1	51.67	113.1	52.45	112.5	53.23	112.5	54.79
	-13.7	-15	118.5	49.71	117.9	51.27	117.9	52.77	117.3	53.46	117.3	54.25	117.3	55.72
	-11.8	-13	123.3	50.97	123.3	52.37	122.9	53.78	122.9	54.56	122.9	55.26	122.4	56.67
	-9.8	-11	129.2	52.14	129.2	53.46	128.7	54.87	128.7	55.58	128.7	56.27	128.1	57.68
	-9.5	-10	132.6	52.77	132	54.10	132	55.40	131.5	56.12	131.5	56.82	131.5	58.06
	-8.5	-9.1	135.2	53.32	135.2	54.63	134.6	55.89	134.6	56.51	134.6	57.22	133.1	57.74
	-7	-7.6	140	54.16	140	55.40	139.4	56.73	139.4	57.37	139.4	57.98	133.1	55.17
	-5	-5.6	147.6	55.34	147.1	56.51	147.1	57.74	146.5	58.38	142.8	56.51	133.1	51.82
	-3	-3.7	154.7	56.44	154.7	57.52	153	57.74	147.6	55.49	142.8	53.23	133.1	48.87
	0	-0.7	167.5	58.06	162.7	56.59	153	52.45	147.6	50.34	142.8	48.38	133.1	44.42
	3	2.2	172.3	55.26	162.7	51.50	153	47.77	147.6	45.98	142.8	44.10	133.1	40.66
	5	4.1	172.3	51.98	162.7	48.46	153	45.03	147.6	43.23	142.8	41.67	133.1	38.32
80%	7	6	172.3	48.87	162.7	45.66	153	42.38	147.6	40.83	142.8	39.27	133.1	36.20
	9	7.9	172.3	46.06	162.7	42.93	153	39.96	147.6	38.54	142.8	37.07	133.1	34.26
	11	9.8	172.3	43.40	162.7	40.51	153	37.77	147.6	36.38	142.8	35.05	133.1	32.38
	13	11.8	172.3	40.83	162.7	38.26	153	35.59	147.6	34.35	142.8	33.08	133.1	30.60
	15	13.7	172.3	38.54	162.7	36.06	153	33.71	147.6	32.56	142.8	31.37	133.1	29.03
	-19.8	-20	107.4	50.11	106.8	51.58	106.8	53.07	106.8	53.78	106.3	54.56	106.3	55.96
	-18.8	-19	109.1	50.57	109.1	52.05	108.5	53.46	108.5	54.25	108.5	54.94	107.9	56.44
	-16.7	-17	113.3	51.58	112.8	53.00	112.8	54.39	112.8	55.11	112.8	55.80	112.2	57.14
	-13.7	-15	118.2	52.69	117.6	54.02	117.6	55.34	117.6	55.96	117	56.67	117	58.06
	-11.8	-13	123	53.70	123	55.03	122.4	56.27	122.4	56.91	122.4	57.60	118.7	56.04
	-9.8	-11	128.9	54.79	128.9	56.04	128.4	57.28	128.4	57.83	127.5	57.74	118.7	52.91
	-9.5	-10	132.3	55.34	131.7	56.51	131.7	57.74	131.7	58.38	127.5	56.04	118.7	51.35
	-8.5	-9.1	134.9	55.89	125.5	57.05	134.3	58.15	131.7	56.82	127.5	54.56	118.7	50.02
	-7	-7.6	139.7	56.67	139.7	57.74	136	56.51	131.7	54.33	127.5	52.14	118.7	47.86
	-5	-5.6	147.3	57.68	144.5	57.37	136	53.07	131.7	51.04	127.5	49.01	118.7	45.03
	-3	-3.7	153.3	57.98	144.5	54.02	136	50.02	131.7	48.14	127.5	46.20	118.7	42.54
	0	-0.7	153.3	52.60	144.5	49.01	136	45.51	131.7	43.78	127.5	42.07	118.7	38.78
	3	2.2	153.3	47.92	144.5	44.73	136	41.61	131.7	40.04	127.5	38.54	118.7	35.51
	5	4.1	153.3	45.11	144.5	42.16	136	39.18	131.7	37.77	127.5	36.38	118.7	33.57
	7	6	153.3	42.54	144.5	39.81	136	36.99	131.7	35.74	127.5	34.42	118.7	31.77
	9	7.9	153.3	40.11	144.5	37.53	136	34.96	131.7	33.71	127.5	32.56	118.7	30.13
	11	9.8	153.3	37.94	144.5	35.43	136	33.08	131.7	31.93	127.5	30.82	118.7	28.57
	13	11.8	153.3	35.74	144.5	33.49	136	31.29	131.7	30.21	127.5	29.12	118.7	27.00
	15	13.7	153.3	33.80	144.5	31.77	136	29.67	131.7	28.66	127.5	27.64	118.7	25.67

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	106.6	53.38	106	54.63	106	55.89	106	56.51	106	57.22	103.4	56.59
	-18.8	-19	108.2	53.78	108.2	55.03	107.7	56.27	107.7	56.91	107.7	57.60	103.4	55.40
	-16.7	-17	112.5	54.63	112.5	55.89	111.9	57.14	111.9	57.74	111	51.44	103.4	52.83
	-13.7	-15	117.3	55.58	116.8	56.82	116.8	57.98	114.7	57.14	111	54.79	103.4	50.26
	-11.8	-13	122.1	56.51	122.1	57.68	119	56.27	114.7	54.10	111	51.90	103.4	47.62
	-9.8	-11	128.1	57.46	126.6	57.46	119	53.15	114.7	51.13	111	49.09	103.4	45.03
	-9.5	-10	131.4	57.98	126.6	55.72	119	51.58	114.7	49.64	111	47.68	103.4	43.78
	-8.5	-9.1	134	58.29	126.6	54.25	119	50.26	114.7	48.32	111	46.44	103.4	42.68
	-7	-7.6	134	55.66	126.6	51.82	119	48.08	114.7	46.29	111	44.42	103.4	40.89
	-5	-5.6	134	52.28	126.6	48.78	119	45.27	114.7	43.47	111	51.44	103.4	38.54
	-3	-3.7	134	49.25	126.6	45.98	119	42.68	114.7	41.06	111	39.49	103.4	36.46
	0	-0.7	134	44.79	126.6	41.90	119	38.95	114.7	37.53	111	36.14	103.4	33.40
	3	2.2	134	40.97	126.6	38.32	119	35.74	114.7	34.42	111	33.17	103.4	30.68
	5	4.1	134	38.63	126.6	36.14	119	33.80	114.7	32.56	111	31.37	103.4	29.03
	7	6	134	36.52	126.6	34.18	119	31.93	114.7	30.82	111	29.73	103.4	27.55
	9	7.9	134	34.50	126.6	32.38	119	30.21	114.7	29.18	111	28.17	103.4	26.14
	11	9.8	134	32.62	126.6	30.60	119	28.66	114.7	27.71	111	26.78	103.4	24.82
	13	11.8	134	30.82	126.6	28.94	119	27.09	114.7	26.23	111	25.30	103.4	23.57
	15	13.7	134	29.26	126.6	27.47	119	25.76	114.7	24.90	111	24.03	103.4	22.47
60%	-19.8	-20	106.3	56.59	105.7	57.68	102	55.49	98.9	53.32	95.5	51.21	89	46.91
	-18.8	-19	107.9	56.97	107.9	58.06	102	54.33	98.9	52.14	95.5	50.02	89	45.98
	-16.7	-17	112.2	57.74	108.5	55.89	102	51.82	98.9	49.80	95.5	47.86	89	43.95
	-13.7	-15	115	57.14	108.5	53.07	102	49.25	98.9	47.37	95.5	45.51	89	41.84
	-11.8	-13	115	54.02	108.5	50.26	102	46.67	98.9	44.96	95.5	43.17	89	39.96
	-9.8	-11	115	51.04	108.5	47.54	102	44.18	98.9	42.54	95.5	40.89	89	37.71
	-9.5	-10	115	49.64	108.5	46.29	102	42.93	98.9	41.37	95.5	39.81	89	36.69
	-8.5	-9.1	115	48.32	108.5	45.03	102	41.90	98.9	40.34	95.5	38.78	89	35.74
	-7	-7.6	115	46.20	108.5	43.17	102	40.11	98.9	38.63	95.5	37.15	89	34.35
	-5	-5.6	115	43.47	108.5	40.66	102	37.85	98.9	36.46	95.5	35.13	89	32.47
	-3	-3.7	115	41.06	108.5	38.40	102	35.74	98.9	34.50	95.5	33.25	89	30.74
	0	-0.7	115	37.53	108.5	35.13	102	32.78	98.9	31.69	95.5	30.51	89	28.25
	3	2.2	115	34.42	108.5	32.30	102	30.21	98.9	29.12	95.5	28.11	89	26.07
	5	4.1	115	32.56	108.5	30.51	102	28.57	98.9	27.64	95.5	26.60	89	24.75
	7	6	115	30.82	108.5	28.94	102	27.09	98.9	26.14	95.5	25.30	89	23.48
	9	7.9	115	29.18	108.5	27.39	102	25.67	98.9	24.90	95.5	23.97	89	22.41
	11	9.8	115	27.71	108.5	26.07	102	24.43	98.9	23.65	95.5	22.78	89	21.31
	13	11.8	115	26.14	108.5	24.66	102	23.18	98.9	22.47	95.5	21.69	89	20.29
	15	13.7	115	24.90	108.5	23.42	102	22.09	98.9	21.40	95.5	20.68	89	19.34
50%	-19.8	-20	95.8	51.50	90.4	47.92	85	44.50	81.9	42.85	79.1	41.21	73.7	37.94
	-18.8	-19	95.8	50.34	90.4	46.91	85	43.63	81.9	41.98	79.1	40.34	73.7	37.24
	-16.7	-17	95.8	48.08	90.4	44.79	85	41.67	81.9	40.11	79.1	38.63	73.7	35.67
	-13.7	-15	95.8	45.74	90.4	42.68	85	39.73	81.9	38.26	79.1	36.84	73.7	34.03
	-11.8	-13	95.8	43.47	90.4	40.60	85	37.77	81.9	36.38	79.1	35.05	73.7	32.38
	-9.8	-11	95.8	41.13	90.4	38.48	85	35.83	81.9	34.50	79.1	33.25	73.7	30.82
	-9.5	-10	95.8	40.04	90.4	37.39	85	34.90	81.9	33.63	79.1	32.38	73.7	29.96
	-8.5	-9.1	95.8	39.03	90.4	36.52	85	34.03	81.9	32.85	79.1	31.69	73.7	29.26
	-7	-7.6	95.8	37.39	90.4	35.05	85	32.62	81.9	31.53	79.1	30.44	73.7	28.17
	-5	-5.6	95.8	35.27	90.4	33.08	85	30.91	81.9	29.89	79.1	28.80	73.7	26.69
	-3	-3.7	95.8	33.40	90.4	31.37	85	29.26	81.9	28.34	79.1	27.32	73.7	25.36
	0	-0.7	95.8	30.68	90.4	28.80	85	27.00	81.9	26.07	79.1	25.22	73.7	23.42
	3	2.2	95.8	28.25	90.4	26.54	85	24.90	81.9	24.03	79.1	23.25	73.7	21.69
	5	4.1	95.8	26.78	90.4	25.22	85	23.65	81.9	22.87	79.1	22.17	73.7	20.61
	7	6	95.8	25.45	90.4	23.97	85	22.47	81.9	21.77	79.1	21.08	73.7	19.66
	9	7.9	95.8	24.11	90.4	22.78	85	21.40	81.9	20.76	79.1	20.07	73.7	18.74
	11	9.8	95.8	22.96	90.4	21.63	85	20.36	81.9	19.75	79.1	19.12	73.7	17.87
	13	11.8	95.8	21.86	90.4	20.61	85	19.34	81.9	18.82	79.1	18.19	73.7	17.09
	15	13.7	95.8	20.76	90.4	19.66	85	18.51	81.9	17.95	79.1	17.40	73.7	16.31

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	76.5	39.16	72.3	36.43	68	33.80	65.4	32.56	63.2	31.31	58.9	28.83
	-18.8	-19	76.5	38.26	72.3	35.65	68	33.16	65.4	31.92	63.2	30.68	58.9	28.30
	-16.7	-17	76.5	36.55	72.3	34.04	68	31.67	65.4	30.48	63.2	29.35	58.9	27.09
	-13.7	-15	76.5	34.75	72.3	32.45	68	30.19	65.4	29.07	63.2	27.99	58.9	25.86
	-11.8	-13	76.5	33.05	72.3	30.85	68	28.71	65.4	27.65	63.2	26.63	58.9	24.61
	-9.8	-11	76.5	31.26	72.3	29.24	68	27.24	65.4	26.23	63.2	25.27	58.9	23.43
	-9.5	-10	76.5	30.42	72.3	28.42	68	26.51	65.4	25.56	63.2	24.61	58.9	22.78
	-8.5	-9.1	76.5	29.67	72.3	27.76	68	25.86	65.4	24.98	63.2	24.08	58.9	22.24
	-7	-7.6	76.5	28.42	72.3	26.63	68	24.79	65.4	23.97	63.2	23.13	58.9	21.43
	-5	-5.6	76.5	26.81	72.3	25.15	68	23.48	65.4	22.72	63.2	21.89	58.9	20.29
	-3	-3.7	76.5	25.39	72.3	23.86	68	22.24	65.4	21.54	63.2	20.76	58.9	19.28
	0	-0.7	76.5	23.31	72.3	21.89	68	20.53	65.4	19.81	63.2	19.17	58.9	17.79
	3	2.2	76.5	21.48	72.3	20.16	68	18.91	65.4	18.27	63.2	17.67	58.9	16.48
	5	4.1	76.5	20.35	72.3	19.17	68	17.98	65.4	17.38	63.2	16.85	58.9	15.67
	7	6	76.5	19.34	72.3	18.22	68	17.09	65.4	16.54	63.2	16.01	58.9	14.95
30%	9	7.9	76.5	18.33	72.3	17.32	68	16.25	65.4	15.79	63.2	15.24	58.9	14.23
	11	9.8	76.5	17.43	72.3	16.42	68	15.47	65.4	15.00	63.2	14.54	58.9	13.59
	13	11.8	76.5	16.61	72.3	15.67	68	14.72	65.4	14.29	63.2	13.82	58.9	12.98
	15	13.7	76.5	15.79	72.3	14.95	68	14.05	65.4	13.64	63.2	13.22	58.9	12.40
	-19.8	-20	57.5	28.74	54.1	26.75	51	19.86	49	23.91	47.4	22.99	44.2	21.17
	-18.8	-19	57.5	28.08	54.1	26.18	51	19.49	49	23.43	47.4	22.52	44.2	20.76
	-16.7	-17	57.5	26.83	54.1	25.01	51	18.60	49	22.39	47.4	21.57	44.2	19.89
	-13.7	-15	57.5	25.53	54.1	23.83	51	17.73	49	21.34	47.4	20.56	44.2	19.00
	-11.8	-13	57.5	24.26	54.1	22.64	51	16.86	49	20.29	47.4	19.55	44.2	18.08
	-9.8	-11	57.5	22.96	54.1	21.48	51	15.99	49	19.25	47.4	18.56	44.2	17.21
	-9.5	-10	57.5	22.35	54.1	20.85	51	15.58	49	18.77	47.4	18.08	44.2	16.72
	-8.5	-9.1	57.5	21.77	54.1	20.38	51	15.19	49	18.33	47.4	17.67	44.2	16.34
	-7	-7.6	57.5	20.85	54.1	19.55	51	14.57	49	17.59	47.4	16.97	44.2	15.73
	-5	-5.6	57.5	19.69	54.1	18.47	51	13.80	49	16.69	47.4	16.07	44.2	14.89
	-3	-3.7	57.5	18.65	54.1	17.49	51	13.07	49	15.82	47.4	15.24	44.2	14.14
	0	-0.7	57.5	17.12	54.1	16.07	51	12.06	49	14.54	47.4	14.05	44.2	13.07
20%	3	2.2	57.5	15.76	54.1	14.81	51	11.11	49	13.42	47.4	12.98	44.2	12.11
	5	4.1	57.5	14.94	54.1	14.05	51	10.56	49	12.76	47.4	12.38	44.2	11.51
	7	6	57.5	14.20	54.1	13.36	51	10.03	49	12.14	47.4	11.77	44.2	10.99
	9	7.9	57.5	13.45	54.1	12.73	51	9.54	49	11.59	47.4	11.19	44.2	10.45
	11	9.8	57.5	12.81	54.1	12.06	51	9.08	49	11.02	47.4	10.67	44.2	9.98
	13	11.8	57.5	12.20	54.1	11.51	51	8.64	49	10.50	47.4	10.15	44.2	9.54
	15	13.7	57.5	11.59	54.1	10.99	51	8.26	49	10.01	47.4	9.71	44.2	9.11
	-19.8	-20	38.3	18.54	36.2	17.26	34	16.01	32.6	15.41	31.7	14.84	29.5	13.65
	-18.8	-19	38.3	18.13	36.2	16.88	34	15.71	32.6	15.13	31.7	14.52	29.5	13.41
	-16.7	-17	38.3	17.32	36.2	16.14	34	15.00	32.6	14.43	31.7	13.91	29.5	12.84
	-13.7	-15	38.3	16.45	36.2	15.38	34	14.31	32.6	13.77	31.7	13.27	29.5	12.26
	-11.8	-13	38.3	15.65	36.2	14.60	34	13.59	32.6	13.09	31.7	12.61	29.5	11.65
	-9.8	-11	38.3	14.81	36.2	13.85	34	12.90	32.6	12.41	31.7	11.97	29.5	11.10
	-9.5	-10	38.3	14.40	36.2	13.45	34	12.55	32.6	12.11	31.7	11.65	29.5	10.78
	-8.5	-9.1	38.3	14.05	36.2	13.15	34	12.26	32.6	11.83	31.7	11.42	29.5	10.53
	-7	-7.6	38.3	13.45	36.2	12.61	34	11.74	32.6	11.36	31.7	10.96	29.5	10.15
	-5	-5.6	38.3	12.69	36.2	11.92	34	11.13	32.6	10.75	31.7	10.38	29.5	9.60
	-3	-3.7	38.3	12.03	36.2	11.31	34	10.53	32.6	10.20	31.7	9.83	29.5	9.14
	0	-0.7	38.3	11.04	36.2	10.38	34	9.72	32.6	9.40	31.7	9.08	29.5	8.44
	3	2.2	38.3	10.17	36.2	9.55	34	8.97	32.6	8.65	31.7	8.38	29.5	7.81
	5	4.1	38.3	9.63	36.2	9.08	34	8.51	32.6	8.24	31.7	7.98	29.5	7.42
	7	6	38.3	9.16	36.2	8.62	34	8.10	32.6	7.83	31.7	7.58	29.5	7.09
	9	7.9	38.3	8.68	36.2	8.21	34	7.69	32.6	7.47	31.7	7.23	29.5	6.74
	11	9.8	38.3	8.26	36.2	7.78	34	7.34	32.6	7.11	31.7	6.88	29.5	6.44
	13	11.8	38.3	7.86	36.2	7.42	34	6.97	32.6	6.77	31.7	6.54	29.5	6.16
	15	13.7	38.3	7.47	36.2	7.09	34	6.65	32.6	6.45	31.7	6.31	29.5	5.87

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR600ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	110	34.57	109.6	37.04	109.1	39.52	109.1	40.71	108.5	41.91	108.5	44.37
	-18.8	-19	111.7	35.36	111.1	37.76	111.1	40.23	110.5	41.44	110.5	42.54	110	45.02
	-16.7	-17	116.1	37.04	115.6	39.35	115	41.68	115	42.78	115	43.99	114.4	46.29
	-13.7	-15	121	38.73	120.4	40.94	119.8	43.18	119.8	44.31	119.3	45.42	119.3	47.64
	-11.8	-13	125.8	40.47	125.8	42.62	125.2	44.69	124.7	45.81	124.7	46.94	124.1	49.00
	-9.8	-11	131.7	42.23	131.2	44.31	130.6	46.29	130.6	47.32	130.6	48.35	130.1	50.44
	-9.5	-10	134.9	43.18	134.3	45.10	133.8	47.08	133.8	48.11	133.2	49.08	133.2	51.06
	-8.5	-9.1	137.7	43.89	137.1	45.81	137.1	47.81	136.6	48.76	136.6	49.71	136	51.71
	-7	-7.6	142.5	45.16	142.5	47.08	141.9	48.92	141.9	49.89	141.4	50.74	140.8	52.66
	-5	-5.6	150.1	46.94	149.6	48.68	149	50.44	149	51.39	148.4	52.19	148.4	53.93
	-3	-3.7	157	48.44	156.4	50.12	156.4	51.78	155.9	52.66	155.9	53.55	155.3	55.14
	0	-0.7	169.4	50.74	169.4	52.34	168.9	53.87	168.9	54.49	168.3	55.46	168.3	57.06
	3	2.2	183	52.90	182.4	54.34	181.9	55.77	181.9	56.50	181.9	57.29	181.3	58.65
	5	4.1	192.1	54.17	191.6	55.61	191.6	56.97	191	57.68	191	58.33	190.4	59.69
	7	6	201.8	55.53	201.2	56.74	201.2	58.09	200.6	58.72	200.6	59.36	192.7	57.06
	9	7.9	212	56.64	211.6	57.91	211.6	59.12	211.1	59.75	206.8	58.48	192.7	53.55
120%	11	9.8	223	57.77	222.4	58.95	221.3	59.69	213.7	57.36	206.8	54.96	192.7	50.44
	13	11.8	234.6	58.88	234.3	59.99	221.3	55.93	213.7	53.69	206.8	51.63	192.7	47.32
	15	13.7	246	59.92	235.2	56.82	221.3	52.66	213.7	50.68	206.8	48.61	192.7	44.69
	-19.8	-20	109.6	37.93	109.1	40.15	108.5	42.47	108.5	43.51	108.5	44.69	107.9	46.94
	-18.8	-19	111.1	38.64	110.5	40.88	110.5	43.10	110.2	44.13	110.2	45.34	109.6	47.56
	-16.7	-17	115.6	40.15	115	42.31	114.2	44.37	114.4	45.49	114.4	46.61	113.9	48.68
	-13.7	-15	120.4	41.74	119.8	43.83	119.3	45.81	119.3	46.94	119.3	47.88	118.7	49.95
	-11.8	-13	125.2	43.34	125.2	45.34	124.7	47.26	124.7	48.29	124.1	49.24	124.1	51.24
	-9.8	-11	131.2	45.02	130.6	46.84	130.6	48.76	130.1	49.71	130.1	50.60	129.5	52.51
	-9.5	-10	134.3	45.81	133.8	47.64	133.2	49.47	133.2	50.44	133.2	51.30	132.9	53.14
	-8.5	-9.1	137.1	46.52	136.6	48.29	136.6	50.12	136	50.98	136	51.95	135.4	53.69
	-7	-7.6	141.9	47.73	141.9	49.47	141.4	51.16	141.4	52.03	140.8	52.90	140.8	54.58
	-5	-5.6	149.6	49.24	149	50.92	148.4	52.58	148.4	53.37	148.4	54.25	147.9	55.77
	-3	-3.7	156.4	50.74	156.4	52.34	155.9	53.87	155.9	54.58	155.5	55.46	155.5	56.97
	0	-0.7	168.9	52.90	168.9	54.34	168.3	55.77	168.3	56.50	167.8	57.20	167.8	58.65
	3	2.2	182.4	54.90	181.9	56.17	181.9	57.53	181.3	58.24	181.3	58.88	177.6	58.56
110%	5	4.1	191.6	56.09	191	57.36	191	58.65	190.4	59.27	190.4	59.92	177.6	54.96
	7	6	201.2	57.20	201.2	58.41	200.9	59.59	197.5	58.80	191	56.41	177.6	51.71
	9	7.9	211.6	58.33	211.1	59.51	204	57.53	197.5	55.22	191	52.98	177.6	48.68
	11	9.8	222.4	59.36	217	58.33	204	54.11	197.5	52.03	191	49.89	177.6	45.89
	13	11.8	230.4	58.80	217	54.73	204	50.74	197.5	48.85	191	46.94	177.6	43.18
	15	13.7	230.4	55.38	217	51.54	204	47.88	197.5	45.97	191	44.21	177.6	40.71
	-19.8	-20	109.1	41.26	108.5	43.27	107.9	45.34	107.9	46.37	108	47.40	107.4	49.47
	-18.8	-19	110.5	41.91	110.2	43.89	110.2	45.97	110.2	46.94	109.6	47.97	109.6	50.03
	-16.7	-17	115	43.27	114.4	45.26	116.1	47.26	113.9	48.21	113.9	49.15	113.3	51.06
	-13.7	-15	119.8	44.78	119.3	46.61	118.7	48.53	118.7	49.47	118.7	50.44	118.2	52.27
	-11.8	-13	124.7	46.29	124.7	48.05	124.1	49.79	124.1	50.74	123.6	51.63	123.6	53.46
	-9.8	-11	130.6	47.73	130.1	49.47	130.1	51.16	129.5	52.03	129.5	52.90	129.5	54.58
	-9.5	-10	133.8	48.53	133.2	50.12	132.6	51.87	132.6	52.66	132.6	53.55	132.3	55.22
	-8.5	-9.1	136.6	49.15	136	50.74	136	52.42	135.4	53.31	135.4	54.11	135.4	49.32
	-7	-7.6	141.4	50.27	141.4	51.78	140.8	53.37	140.8	54.17	140.8	54.96	140.3	56.56
	-5	-5.6	149	51.71	148.4	53.22	147.9	54.66	147.9	55.46	147.9	56.17	147.3	57.77
	-3	-3.7	155.9	52.98	155.9	54.43	155.5	55.85	155.5	56.56	155	57.29	155	58.72
	0	-0.7	168.3	54.96	168.3	56.32	167.8	57.68	167.8	58.33	167.8	58.95	162.9	57.85
	3	2.2	181.9	56.82	181.3	58.01	181.3	59.27	180.8	59.83	174.8	57.36	162.9	52.66
	5	4.1	191	57.91	191	59.12	187.3	58.56	180.8	56.17	174.8	53.93	162.9	49.47
	7	6	200.6	58.95	199.2	59.36	187.3	54.96	180.8	52.84	174.8	50.74	162.9	46.61
	9	7.9	211.1	59.92	199.2	55.77	187.3	51.71	180.8	49.71	174.8	47.73	162.9	43.89
	11	9.8	211.1	56.41	199.2	52.51	187.3	48.68	180.8	46.84	174.8	45.02	162.9	41.44
	13	11.8	211.1	52.90	199.2	49.24	187.3	45.73	180.8	44.07	174.8	42.31	162.9	39.05
	15	13.7	211.1	46.94	199.2	46.46	187.3	43.18	180.8	41.59	174.8	39.99	162.9	36.90

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	108.5	44.54	107.9	46.37	107.9	48.29	107.4	49.24	107.4	50.12	106.8	52.03
	-18.8	-19	110.2	45.10	110.2	46.94	109.6	48.85	109.6	49.79	109.1	50.74	109.1	52.58
	-16.7	-17	114.4	46.37	113.9	48.21	113.9	49.95	113.3	50.83	113.3	51.71	113.3	53.55
	-13.7	-15	119.3	47.73	118.7	49.47	118.2	51.16	118.2	52.03	118.2	52.90	117.6	54.58
	-11.8	-13	124.1	49.15	124.1	50.74	123.6	52.34	123.6	53.22	123.6	54.01	123	55.69
	-9.8	-11	130.1	50.44	129.5	52.03	129.5	53.63	129.5	54.43	128.9	55.14	128.9	56.74
	-9.5	-10	133.2	51.16	132.9	52.66	132.9	54.17	132.3	54.96	132.3	55.77	131.7	57.29
	-8.5	-9.1	136	51.71	135.4	53.31	135.4	54.73	135.4	55.46	134.9	56.26	134.9	57.68
	-7	-7.6	140.8	52.74	140.8	54.17	140.3	55.61	140.3	56.41	140.3	57.06	139.7	58.56
	-5	-5.6	148.4	54.11	147.9	55.46	147.9	56.82	147.3	57.44	147.3	58.15	146.8	59.59
	-3	-3.7	155.5	55.29	155.5	56.19	155	57.91	155	58.56	155	59.19	148.4	56.74
	0	-0.7	167.8	57.06	167.8	58.33	167.2	59.51	164.6	58.56	159.2	56.09	148.4	51.48
	3	2.2	181.3	58.72	180.8	59.83	170	55.38	164.6	53.22	159.2	51.06	148.4	46.94
	5	4.1	190.4	59.83	180.8	56.17	170	52.03	164.6	50.12	159.2	48.11	148.4	44.21
	7	6	191.6	56.74	180.8	52.84	170	49.00	164.6	47.17	159.2	45.34	148.4	41.68
90%	9	7.9	191.6	53.31	180.8	49.71	170	46.13	164.6	43.83	159.2	42.71	148.4	39.35
	11	9.8	191.6	50.19	180.8	46.84	170	43.51	164.6	41.91	159.2	40.32	148.4	37.14
	13	11.8	191.6	47.17	180.8	44.07	170	40.94	164.6	39.44	159.2	38.01	148.4	35.06
	15	13.7	191.6	44.45	180.8	41.59	170	38.73	164.6	37.28	159.2	35.86	148.4	33.24
	-19.8	-20	107.7	47.88	107.1	49.47	107.1	51.24	106.6	52.03	106.6	52.90	106.6	54.58
	-18.8	-19	109.4	48.35	109.4	50.12	108.8	51.71	108.8	52.58	108.8	53.37	108.3	55.06
	-16.7	-17	113.6	49.56	113.1	51.16	113.1	52.74	113.1	53.55	112.5	54.34	112.5	55.93
	-13.7	-15	118.5	50.74	117.9	52.34	117.9	53.87	117.3	54.58	117.3	55.38	117.3	56.88
	-11.8	-13	123.3	52.03	123.3	53.46	122.9	54.90	122.9	55.69	122.9	56.41	122.4	57.85
	-9.8	-11	129.2	53.22	129.2	54.58	128.7	56.02	128.7	56.74	128.7	57.44	128.1	58.88
	-9.5	-10	132.6	53.87	132	55.22	132	56.56	131.5	57.29	131.5	58.01	131.5	59.27
	-8.5	-9.1	135.2	54.43	135.2	55.77	134.6	57.06	134.6	57.68	134.6	58.41	133.1	58.95
	-7	-7.6	140	55.29	140	56.56	139.4	57.91	139.4	58.56	139.4	59.19	133.1	56.32
	-5	-5.6	147.6	56.50	147.1	57.68	147.1	58.95	146.5	59.59	142.8	57.68	133.1	52.90
	-3	-3.7	154.7	57.61	154.7	58.72	153	58.95	147.6	56.64	142.8	54.34	133.1	49.89
80%	0	-0.7	167.5	59.27	162.7	57.77	153	53.55	147.6	51.39	142.8	49.39	133.1	45.34
	3	2.2	172.3	56.41	162.7	52.58	153	48.76	147.6	46.94	142.8	45.02	133.1	41.50
	5	4.1	172.3	53.07	162.7	49.47	153	45.97	147.6	44.13	142.8	42.54	133.1	39.12
	7	6	172.3	49.89	162.7	46.61	153	43.27	147.6	41.68	142.8	40.09	133.1	36.96
	9	7.9	172.3	47.02	162.7	43.83	153	40.80	147.6	39.35	142.8	37.84	133.1	34.98
	11	9.8	172.3	44.31	162.7	41.36	153	38.55	147.6	37.14	142.8	35.78	133.1	33.06
	13	11.8	172.3	41.68	162.7	39.05	153	36.33	147.6	35.06	142.8	33.77	133.1	31.23
	15	13.7	172.3	39.35	162.7	36.81	153	34.41	147.6	33.24	142.8	32.03	133.1	29.64
	-19.8	-20	107.4	51.16	106.8	52.66	106.8	54.17	106.8	54.90	106.3	55.69	106.3	57.12
	-18.8	-19	109.1	51.63	109.1	53.14	108.5	54.58	108.5	55.38	108.5	56.09	107.9	57.61
	-16.7	-17	113.3	52.66	112.8	54.11	112.8	55.53	112.8	56.26	112.8	56.97	112.2	58.33
	-13.7	-15	118.2	53.79	117.6	55.14	117.6	56.50	117.6	57.12	117	57.85	117	59.27
	-11.8	-13	123	54.82	123	56.17	122.4	57.44	122.4	58.09	122.4	58.80	118.7	57.20
	-9.8	-11	128.9	55.93	128.9	57.20	128.4	58.48	128.4	59.04	127.5	58.95	118.7	54.01
	-9.5	-10	132.3	56.50	131.7	57.68	131.7	58.95	131.7	59.59	127.5	57.20	118.7	52.42
	-8.5	-9.1	134.9	57.06	125.5	58.24	134.3	59.36	131.7	58.01	127.5	55.69	118.7	51.06
80%	-7	-7.6	139.7	57.85	139.7	58.95	136	57.68	131.7	55.46	127.5	53.22	118.7	48.85
	-5	-5.6	147.3	58.88	144.5	58.56	136	54.17	131.7	52.11	127.5	50.03	118.7	45.97
	-3	-3.7	153.3	59.19	144.5	55.14	136	51.06	131.7	49.15	127.5	47.17	118.7	43.42
	0	-0.7	153.3	53.69	144.5	50.03	136	46.46	131.7	44.69	127.5	42.94	118.7	39.59
	3	2.2	153.3	48.92	144.5	45.66	136	42.47	131.7	40.88	127.5	39.35	118.7	36.25
	5	4.1	153.3	46.05	144.5	43.04	136	39.99	131.7	38.55	127.5	37.14	118.7	34.27
	7	6	153.3	43.42	144.5	40.64	136	37.76	131.7	36.49	127.5	35.13	118.7	32.43
	9	7.9	153.3	40.94	144.5	38.31	136	35.69	131.7	34.41	127.5	33.24	118.7	30.76
	11	9.8	153.3	38.73	144.5	36.17	136	33.77	131.7	32.59	127.5	31.46	118.7	29.16
	13	11.8	153.3	36.49	144.5	34.19	136	31.94	131.7	30.84	127.5	29.72	118.7	27.57
	15	13.7	153.3	34.51	144.5	32.43	136	30.29	131.7	29.25	127.5	28.21	118.7	26.21

Note: TC: Total capacity, PI: Power input.

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Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.8	-20	106.6	54.49	106	55.77	106	57.06	106	57.68	106	58.41	103.4	57.77
	-18.8	-19	108.2	54.90	108.2	56.17	107.7	57.44	107.7	58.09	107.7	58.80	103.4	56.56
	-16.7	-17	112.5	55.77	112.5	57.06	111.9	58.33	111.9	58.95	111	52.51	103.4	53.93
	-13.7	-15	117.3	56.74	116.8	58.01	116.8	59.19	114.7	58.33	111	55.93	103.4	51.30
	-11.8	-13	122.1	57.68	122.1	58.88	119	57.44	114.7	55.22	111	52.98	103.4	48.61
	-9.8	-11	128.1	58.65	126.6	58.65	119	54.25	114.7	52.19	111	50.12	103.4	45.97
	-9.5	-10	131.4	59.19	126.6	58.88	119	52.66	114.7	50.68	111	48.68	103.4	44.69
	-8.5	-9.1	134	59.51	126.6	55.38	119	51.30	114.7	49.32	111	47.40	103.4	43.57
	-7	-7.6	134	56.82	126.6	52.90	119	49.08	114.7	47.26	111	45.34	103.4	41.74
	-5	-5.6	134	53.37	126.6	49.79	119	46.22	114.7	44.37	111	52.51	103.4	39.35
	-3	-3.7	134	50.27	126.6	46.94	119	43.57	114.7	41.91	111	40.32	103.4	37.22
	0	-0.7	134	45.73	126.6	42.78	119	39.76	114.7	38.31	111	36.90	103.4	34.09
	3	2.2	134	41.83	126.6	39.12	119	36.49	114.7	35.13	111	33.86	103.4	31.32
	5	4.1	134	39.44	126.6	36.90	119	34.51	114.7	33.24	111	32.03	103.4	29.64
	7	6	134	37.28	126.6	34.89	119	32.59	114.7	31.46	111	30.35	103.4	28.13
	9	7.9	134	35.22	126.6	33.06	119	30.84	114.7	29.79	111	28.75	103.4	26.69
	11	9.8	134	33.30	126.6	31.23	119	29.25	114.7	28.28	111	27.34	103.4	25.33
	13	11.8	134	31.46	126.6	29.55	119	27.66	114.7	26.77	111	25.82	103.4	24.06
	15	13.7	134	29.87	126.6	28.04	119	26.29	114.7	25.42	111	24.53	103.4	22.94
60%	-19.8	-20	106.3	57.77	105.7	58.88	102	56.64	98.9	54.43	95.5	52.27	89	47.88
	-18.8	-19	107.9	58.15	107.9	59.27	102	55.46	98.9	53.22	95.5	51.06	89	46.94
	-16.7	-17	112.2	58.95	108.5	57.06	102	52.90	98.9	50.83	95.5	48.85	89	44.86
	-13.7	-15	115	58.33	108.5	54.17	102	50.27	98.9	48.35	95.5	46.46	89	42.71
	-11.8	-13	115	55.14	108.5	51.30	102	47.64	98.9	45.89	95.5	44.07	89	40.80
	-9.8	-11	115	52.11	108.5	48.53	102	45.10	98.9	43.42	95.5	41.74	89	38.49
	-9.5	-10	115	50.68	108.5	47.26	102	43.83	98.9	42.23	95.5	40.64	89	37.46
	-8.5	-9.1	115	49.32	108.5	45.97	102	42.78	98.9	41.18	95.5	39.59	89	36.49
	-7	-7.6	115	47.17	108.5	44.07	102	40.94	98.9	39.44	95.5	37.93	89	35.06
	-5	-5.6	115	44.37	108.5	41.50	102	38.64	98.9	37.22	95.5	35.86	89	33.14
	-3	-3.7	115	41.91	108.5	39.20	102	36.49	98.9	35.22	95.5	33.95	89	31.38
	0	-0.7	115	38.31	108.5	35.86	102	33.47	98.9	32.35	95.5	31.14	89	28.84
	3	2.2	115	35.13	108.5	32.98	102	30.84	98.9	29.72	95.5	28.69	89	26.62
	5	4.1	115	33.24	108.5	31.14	102	29.16	98.9	28.21	95.5	27.16	89	25.26
	7	6	115	31.46	108.5	29.55	102	27.66	98.9	26.69	95.5	25.82	89	23.97
	9	7.9	115	29.79	108.5	27.96	102	26.21	98.9	25.42	95.5	24.47	89	22.87
	11	9.8	115	28.28	108.5	26.62	102	24.94	98.9	24.15	95.5	23.26	89	21.76
	13	11.8	115	26.69	108.5	25.18	102	23.67	98.9	22.94	95.5	22.14	89	20.72
	15	13.7	115	25.42	108.5	23.91	102	22.55	98.9	21.84	95.5	21.11	89	19.75
50%	-19.8	-20	95.8	52.58	90.4	48.92	85	45.42	81.9	43.75	79.1	42.07	73.7	38.73
	-18.8	-19	95.8	51.39	90.4	47.88	85	44.54	81.9	42.86	79.1	41.18	73.7	38.01
	-16.7	-17	95.8	49.08	90.4	45.73	85	42.54	81.9	40.94	79.1	39.44	73.7	36.42
	-13.7	-15	95.8	46.70	90.4	43.57	85	40.56	81.9	39.05	79.1	37.60	73.7	34.74
	-11.8	-13	95.8	44.37	90.4	41.44	85	38.55	81.9	37.14	79.1	35.78	73.7	33.06
	-9.8	-11	95.8	41.98	90.4	39.28	85	36.57	81.9	35.22	79.1	33.95	73.7	31.46
	-9.5	-10	95.8	40.88	90.4	38.17	85	35.62	81.9	34.33	79.1	33.06	73.7	30.59
	-8.5	-9.1	95.8	39.85	90.4	37.28	85	34.74	81.9	33.54	79.1	32.35	73.7	29.87
	-7	-7.6	95.8	38.17	90.4	35.78	85	33.30	81.9	32.18	79.1	31.08	73.7	28.75
	-5	-5.6	95.8	36.01	90.4	33.77	85	31.56	81.9	30.52	79.1	29.40	73.7	27.24
	-3	-3.7	95.8	34.09	90.4	32.03	85	29.87	81.9	28.93	79.1	27.89	73.7	25.89
	0	-0.7	95.8	31.32	90.4	29.40	85	27.57	81.9	26.62	79.1	25.74	73.7	23.91
	3	2.2	95.8	28.84	90.4	27.10	85	25.42	81.9	24.53	79.1	23.74	73.7	22.14
	5	4.1	95.8	27.34	90.4	25.74	85	24.15	81.9	23.34	79.1	22.63	73.7	21.04
	7	6	95.8	25.98	90.4	24.47	85	22.94	81.9	22.23	79.1	21.52	73.7	20.07
	9	7.9	95.8	24.61	90.4	23.26	85	21.84	81.9	21.20	79.1	20.49	73.7	19.13
	11	9.8	95.8	23.44	90.4	22.08	85	20.79	81.9	20.16	79.1	19.52	73.7	18.24
	13	11.8	95.8	22.31	90.4	21.04	85	19.75	81.9	19.21	79.1	18.57	73.7	17.44
	15	13.7	95.8	21.20	90.4	20.07	85	18.89	81.9	18.33	79.1	17.77	73.7	16.65

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	76.5	39.97	72.3	37.19	68	34.51	65.4	33.24	63.2	31.96	58.9	29.43
	-18.8	-19	76.5	39.05	72.3	36.40	68	33.85	65.4	32.58	63.2	31.32	58.9	28.89
	-16.7	-17	76.5	37.31	72.3	34.75	68	32.33	65.4	31.12	63.2	29.96	58.9	27.66
	-13.7	-15	76.5	35.48	72.3	33.12	68	30.82	65.4	29.67	63.2	28.58	58.9	26.40
	-11.8	-13	76.5	33.74	72.3	31.50	68	29.31	65.4	28.22	63.2	27.19	58.9	25.13
	-9.8	-11	76.5	31.91	72.3	29.85	68	27.80	65.4	26.77	63.2	25.79	58.9	23.92
	-9.5	-10	76.5	31.06	72.3	29.01	68	27.06	65.4	26.10	63.2	25.13	58.9	23.26
	-8.5	-9.1	76.5	30.29	72.3	28.34	68	26.40	65.4	25.50	63.2	24.58	58.9	22.71
	-7	-7.6	76.5	29.01	72.3	27.19	68	25.30	65.4	24.47	63.2	23.61	58.9	21.87
	-5	-5.6	76.5	27.37	72.3	25.68	68	23.97	65.4	23.20	63.2	22.34	58.9	20.72
	-3	-3.7	76.5	25.92	72.3	24.35	68	22.71	65.4	21.99	63.2	21.20	58.9	19.68
	0	-0.7	76.5	23.79	72.3	22.34	68	20.96	65.4	20.23	63.2	19.57	58.9	18.16
	3	2.2	76.5	21.93	72.3	20.58	68	19.31	65.4	18.65	63.2	18.04	58.9	16.83
	5	4.1	76.5	20.78	72.3	19.57	68	18.36	65.4	17.74	63.2	17.20	58.9	15.99
	7	6	76.5	19.75	72.3	18.60	68	17.44	65.4	16.89	63.2	16.35	58.9	15.26
30%	9	7.9	76.5	18.71	72.3	17.68	68	16.59	65.4	16.12	63.2	15.55	58.9	14.52
	11	9.8	76.5	17.80	72.3	16.76	68	15.79	65.4	15.32	63.2	14.85	58.9	13.88
	13	11.8	76.5	16.95	72.3	15.99	68	15.02	65.4	14.59	63.2	14.11	58.9	13.25
	15	13.7	76.5	16.12	72.3	15.26	68	14.35	65.4	13.93	63.2	13.49	58.9	12.66
	-19.8	-20	57.5	29.34	54.1	27.30	51	20.28	49	24.41	47.4	23.47	44.2	21.61
	-18.8	-19	57.5	28.67	54.1	26.72	51	19.89	49	23.92	47.4	22.99	44.2	21.20
	-16.7	-17	57.5	27.39	54.1	25.53	51	18.98	49	22.85	47.4	22.02	44.2	20.31
	-13.7	-15	57.5	26.06	54.1	24.32	51	18.10	49	21.79	47.4	20.99	44.2	19.39
	-11.8	-13	57.5	24.76	54.1	23.11	51	17.21	49	20.72	47.4	19.95	44.2	18.45
	-9.8	-11	57.5	23.44	54.1	21.93	51	16.33	49	19.65	47.4	18.94	44.2	17.57
	-9.5	-10	57.5	22.81	54.1	21.29	51	15.91	49	19.16	47.4	18.45	44.2	17.07
	-8.5	-9.1	57.5	22.23	54.1	20.81	51	15.50	49	18.71	47.4	18.04	44.2	16.68
	-7	-7.6	57.5	21.29	54.1	19.95	51	14.88	49	17.95	47.4	17.33	44.2	16.06
	-5	-5.6	57.5	20.10	54.1	18.86	51	14.08	49	17.04	47.4	16.41	44.2	15.20
	-3	-3.7	57.5	19.04	54.1	17.86	51	13.34	49	16.15	47.4	15.55	44.2	14.44
	0	-0.7	57.5	17.47	54.1	16.41	51	12.31	49	14.85	47.4	14.35	44.2	13.34
20%	3	2.2	57.5	16.09	54.1	15.12	51	11.34	49	13.70	47.4	13.25	44.2	12.36
	5	4.1	57.5	15.25	54.1	14.35	51	10.78	49	13.02	47.4	12.64	44.2	11.75
	7	6	57.5	14.49	54.1	13.64	51	10.24	49	12.40	47.4	12.01	44.2	11.22
	9	7.9	57.5	13.73	54.1	12.99	51	9.74	49	11.83	47.4	11.43	44.2	10.66
	11	9.8	57.5	13.07	54.1	12.31	51	9.27	49	11.25	47.4	10.89	44.2	10.19
	13	11.8	57.5	12.46	54.1	11.75	51	8.82	49	10.72	47.4	10.36	44.2	9.74
	15	13.7	57.5	11.83	54.1	11.22	51	8.43	49	10.22	47.4	9.91	44.2	9.30
	-19.8	-20	38.3	18.92	36.2	17.62	34	16.35	32.6	15.73	31.7	15.15	29.5	13.94
	-18.8	-19	38.3	18.51	36.2	17.23	34	16.03	32.6	15.44	31.7	14.82	29.5	13.69
	-16.7	-17	38.3	17.68	36.2	16.47	34	15.32	32.6	14.73	31.7	14.20	29.5	13.10
	-13.7	-15	38.3	16.80	36.2	15.70	34	14.61	32.6	14.05	31.7	13.54	29.5	12.51
	-11.8	-13	38.3	15.97	36.2	14.91	34	13.88	32.6	13.37	31.7	12.88	29.5	11.90
	-9.8	-11	38.3	15.12	36.2	14.14	34	13.17	32.6	12.67	31.7	12.22	29.5	11.33
	-9.5	-10	38.3	14.70	36.2	13.73	34	12.81	32.6	12.36	31.7	11.90	29.5	11.01
	-8.5	-9.1	38.3	14.35	36.2	13.43	34	12.51	32.6	12.07	31.7	11.66	29.5	10.75
	-7	-7.6	38.3	13.73	36.2	12.88	34	11.99	32.6	11.59	31.7	11.19	29.5	10.36
	-5	-5.6	38.3	12.96	36.2	12.17	34	11.36	32.6	10.98	31.7	10.59	29.5	9.80
	-3	-3.7	38.3	12.28	36.2	11.54	34	10.75	32.6	10.42	31.7	10.04	29.5	9.33
	0	-0.7	38.3	11.27	36.2	10.59	34	9.92	32.6	9.59	31.7	9.27	29.5	8.61
	3	2.2	38.3	10.38	36.2	9.75	34	9.15	32.6	8.83	31.7	8.56	29.5	7.98
	5	4.1	38.3	9.83	36.2	9.27	34	8.68	32.6	8.41	31.7	8.14	29.5	7.58
	7	6	38.3	9.35	36.2	8.80	34	8.27	32.6	8.00	31.7	7.74	29.5	7.24
	9	7.9	38.3	8.86	36.2	8.38	34	7.85	32.6	7.62	31.7	7.38	29.5	6.88
	11	9.8	38.3	8.43	36.2	7.94	34	7.50	32.6	7.26	31.7	7.03	29.5	6.58
	13	11.8	38.3	8.03	36.2	7.58	34	7.11	32.6	6.91	31.7	6.67	29.5	6.29
	15	13.7	38.3	7.62	36.2	7.24	34	6.79	32.6	6.59	31.7	6.37	29.5	5.99

Note: TC: Total capacity, PI: Power input.

Outdoor unit

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Recommended Combination Table

Capacity Tables

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Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

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**■ TMR620ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	116.4	35.84	116.1	38.41	115.5	40.98	115.5	42.20	114.9	43.46	114.9	46.00
	-18.8	-19	118.2	36.66	117.6	39.14	117.6	41.71	117	42.97	117	44.10	116.4	46.67
	-16.7	-17	123	38.41	122.4	40.79	121.8	43.21	121.8	44.34	121.8	45.60	121.2	47.98
	-13.7	-15	128.1	40.15	127.5	42.45	126.9	44.77	126.9	45.93	126.3	47.10	126.3	49.39
	-11.8	-13	133.2	41.96	133.2	44.19	132.6	46.33	132	47.49	132	48.66	131.4	50.80
	-9.8	-11	139.5	43.79	138.9	45.93	138.3	47.98	138.3	49.06	138.3	50.13	137.7	52.30
	-9.5	-10	142.8	44.77	142.2	46.76	141.6	48.81	141.6	49.88	141	50.89	141	52.94
	-8.5	-9.1	145.8	45.51	145.2	47.49	145.2	49.58	144.6	50.56	144.6	51.53	144	53.62
	-7	-7.6	150.9	46.82	150.9	48.81	150.3	50.71	150.3	51.72	149.7	52.61	149.1	54.59
	-5	-5.6	159	48.66	158.4	50.46	157.8	52.30	157.8	53.28	157.2	54.11	157.2	55.91
	-3	-3.7	166.2	50.22	165.6	51.96	165.6	53.68	165	54.59	165	55.51	164.4	57.17
	0	-0.7	179.4	52.61	179.4	54.26	178.8	55.85	178.8	56.49	178.2	57.50	178.2	59.15
	3	2.2	193.8	54.84	193.2	56.34	192.6	57.81	192.6	58.57	192.6	59.40	192	60.81
	5	4.1	203.4	56.16	202.8	57.65	202.8	59.06	202.2	59.80	202.2	60.47	201.6	61.88
	7	6	213.6	57.56	213	58.82	213	60.23	212.4	60.87	212.4	61.54	204	59.15
	9	7.9	224.4	58.73	224.1	60.04	224.1	61.30	223.5	61.94	219	60.62	204	55.51
	11	9.8	236.1	59.89	235.5	61.11	234.3	61.88	226.2	59.46	219	56.98	204	52.30
	13	11.8	248.4	61.05	248.1	62.18	234.3	57.99	226.2	55.67	219	53.52	204	49.06
	15	13.7	260.4	62.12	249	58.91	234.3	54.59	226.2	52.54	219	50.40	204	46.33
120%	-19.8	-20	116.1	39.32	115.5	41.62	114.9	44.04	114.9	45.11	114.9	46.33	114.3	48.66
	-18.8	-19	117.6	40.06	117	42.38	117	44.68	116.7	45.75	116.7	47.01	116.1	49.30
	-16.7	-17	122.4	41.62	121.8	43.85	120.9	46.00	121.2	47.16	121.2	48.32	120.6	50.46
	-13.7	-15	127.5	43.27	126.9	45.44	126.3	47.49	126.3	48.66	126.3	49.64	125.7	51.78
	-11.8	-13	132.6	44.92	132.6	47.01	132	48.99	132	50.07	131.4	51.04	131.4	53.13
	-9.8	-11	138.9	46.67	138.3	48.57	138.3	50.56	137.7	51.53	137.7	52.45	137.1	54.44
	-9.5	-10	142.2	47.49	141.6	49.39	141	51.29	141	52.30	141	53.19	140.7	55.08
	-8.5	-9.1	145.2	48.23	144.6	50.07	144.6	51.96	144	52.85	144	53.86	143.4	55.67
	-7	-7.6	150.3	49.48	150.3	51.29	149.7	53.03	149.7	53.95	149.1	54.84	149.1	56.58
	-5	-5.6	158.4	51.04	157.8	52.79	157.2	54.50	157.2	55.33	157.2	56.25	156.6	57.81
	-3	-3.7	165.6	52.61	165.6	54.26	165	55.85	165	56.58	164.7	57.50	164.7	59.06
	0	-0.7	178.8	54.84	178.8	56.34	178.2	57.81	178.2	58.57	177.6	59.31	177.6	60.81
	3	2.2	193.2	56.92	192.6	58.24	192.6	59.64	192	60.38	192	61.05	188.1	60.72
	5	4.1	202.8	58.14	202.2	59.46	202.2	60.81	201.6	61.45	201.6	62.12	188.1	56.98
	7	6	213	59.31	213	60.56	212.7	61.79	209.1	60.96	202.2	58.48	188.1	53.62
	9	7.9	224.1	60.47	223.5	61.69	216	59.64	209.1	57.26	202.2	54.93	188.1	50.46
	11	9.8	235.5	61.54	229.8	60.47	216	56.09	209.1	53.95	202.2	51.72	188.1	47.59
	13	11.8	243.9	60.96	229.8	56.74	216	52.61	209.1	50.65	202.2	48.66	188.1	44.77
	15	13.7	243.9	57.41	229.8	53.43	216	49.64	209.1	47.65	202.2	45.84	188.1	42.20
110%	-19.8	-20	115.5	42.78	114.9	44.86	114.3	47.01	114.3	48.08	114.3	49.15	113.7	51.29
	-18.8	-19	117	43.46	116.7	45.51	116.7	47.65	116.7	48.66	116.1	49.73	116.1	51.87
	-16.7	-17	121.8	44.86	121.2	46.91	123	48.99	120.6	49.97	120.6	50.95	120	52.94
	-13.7	-15	126.9	46.42	126.3	48.32	125.7	50.31	125.7	51.29	125.7	52.30	125.1	54.20
	-11.8	-13	132	47.98	132	49.82	131.4	51.63	131.4	52.61	130.8	53.52	130.8	55.42
	-9.8	-11	138.3	49.48	137.7	51.29	137.7	53.03	137.1	53.95	137.1	54.84	137.1	56.58
	-9.5	-10	141.6	50.31	141	51.96	140.4	53.77	140.4	54.59	140.4	55.51	140.1	57.26
	-8.5	-9.1	144.6	50.95	144	52.61	144	54.35	143.4	55.27	143.4	56.09	143.4	51.14
	-7	-7.6	149.7	52.12	149.7	53.68	149.1	55.33	149.1	56.16	149.1	56.98	148.5	58.63
	-5	-5.6	157.8	53.62	157.2	55.18	156.6	56.68	156.6	57.50	156.6	58.24	156	59.89
	-3	-3.7	165	54.93	165	56.43	164.7	57.90	164.7	58.63	164.1	59.40	164.1	60.87
	0	-0.7	178.2	56.98	178.2	58.39	177.6	59.80	177.6	60.47	177.6	61.11	172.5	59.98
	3	2.2	192.6	58.91	192	60.13	192	61.45	191.4	62.03	185.1	59.46	172.5	54.59
	5	4.1	202.2	60.04	202.2	61.30	198.3	60.72	191.4	58.24	185.1	55.91	172.5	51.29
	7	6	212.4	61.11	210.9	61.54	198.3	56.98	191.4	54.78	185.1	52.61	172.5	48.32
	9	7.9	223.5	62.12	210.9	57.81	198.3	53.62	191.4	51.53	185.1	49.48	172.5	45.51
	11	9.8	223.5	58.48	210.9	54.44	198.3	50.46	191.4	48.57	185.1	46.67	172.5	42.97
	13	11.8	223.5	54.84	210.9	51.04	198.3	47.40	191.4	45.69	185.1	43.85	172.5	40.49
	15	13.7	223.5	48.66	210.9	48.17	198.3	44.77	191.4	43.12	185.1	41.47	172.5	38.25

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	114.9	46.18	114.3	48.08	114.3	50.07	113.7	51.04	113.7	51.96	113.1	53.95
	-18.8	-19	116.7	46.76	116.7	48.66	116.1	50.65	116.1	51.63	115.5	52.61	115.5	54.50
	-16.7	-17	121.2	48.08	120.6	49.97	120.6	51.78	120	52.70	120	53.62	120	55.51
	-13.7	-15	126.3	49.48	125.7	51.29	125.1	53.03	125.1	53.95	125.1	54.84	124.5	56.58
	-11.8	-13	131.4	50.95	131.4	52.61	130.8	54.26	130.8	55.18	130.8	56.00	130.2	57.75
	-9.8	-11	137.7	52.30	137.1	53.95	137.1	55.60	137.1	56.43	136.5	57.17	136.5	58.82
	-9.5	-10	141	53.03	140.7	54.59	140.7	56.16	140.1	56.98	140.1	57.81	139.5	59.40
	-8.5	-9.1	144	53.62	143.4	55.27	143.4	56.74	143.4	57.50	142.8	58.33	142.8	59.80
	-7	-7.6	149.1	54.69	149.1	56.16	148.5	57.65	148.5	58.48	148.5	59.15	147.9	60.72
	-5	-5.6	157.2	56.09	156.6	57.50	156.6	58.91	156	59.55	156	60.29	155.4	61.79
	-3	-3.7	164.7	57.32	164.7	58.02	164.1	60.04	164.1	60.72	164.1	61.36	157.2	58.82
	0	-0.7	177.6	59.15	177.6	60.47	177	61.69	174.3	60.72	168.6	58.14	157.2	53.37
	3	2.2	192	60.87	191.4	62.03	180	57.41	174.3	55.18	168.6	52.94	157.2	48.66
	5	4.1	201.6	62.03	191.4	58.24	180	53.95	174.3	51.96	168.6	49.88	157.2	45.84
	7	6	202.8	58.82	191.4	54.78	180	50.80	174.3	48.90	168.6	47.01	157.2	43.21
	9	7.9	202.8	55.27	191.4	51.53	180	47.83	174.3	45.44	168.6	44.28	157.2	40.79
	11	9.8	202.8	52.02	191.4	48.57	180	45.11	174.3	43.46	168.6	41.80	157.2	38.50
	13	11.8	202.8	48.90	191.4	45.69	180	42.45	174.3	40.88	168.6	39.42	157.2	36.36
	15	13.7	202.8	46.09	191.4	43.12	180	40.15	174.3	38.65	168.6	37.18	157.2	34.46
90%	-19.8	-20	114	49.64	113.4	51.29	113.4	53.13	112.8	53.95	112.8	54.84	112.8	56.58
	-18.8	-19	115.8	50.13	115.8	51.96	115.2	53.62	115.2	54.50	115.2	55.33	114.6	57.07
	-16.7	-17	120.3	51.38	119.7	53.03	119.7	54.69	119.7	55.51	119.1	56.34	119.1	57.99
	-13.7	-15	125.4	52.61	124.8	54.26	124.8	55.85	124.2	56.58	124.2	57.41	124.2	58.97
	-11.8	-13	130.5	53.95	130.5	55.42	130.2	56.92	130.2	57.75	130.2	58.48	129.6	59.98
	-9.8	-11	136.8	55.18	136.8	56.58	136.2	58.08	136.2	58.82	136.2	59.55	135.6	61.05
	-9.5	-10	140.4	55.85	139.8	57.26	139.8	58.63	139.2	59.40	139.2	60.13	139.2	61.45
	-8.5	-9.1	143.1	56.43	143.1	57.81	142.5	59.15	142.5	59.80	142.5	60.56	141	61.11
	-7	-7.6	148.2	57.32	148.2	58.63	147.6	60.04	147.6	60.72	147.6	61.36	141	58.39
	-5	-5.6	156.3	58.57	155.7	59.80	155.7	61.11	155.1	61.79	151.2	59.80	141	54.84
	-3	-3.7	163.8	59.74	163.8	60.87	162	61.11	156.3	58.73	151.2	56.34	141	51.72
	0	-0.7	177.3	61.45	172.2	59.89	162	55.51	156.3	53.28	151.2	51.20	141	47.01
	3	2.2	182.4	58.48	172.2	54.50	162	50.56	156.3	48.66	151.2	46.67	141	43.03
	5	4.1	182.4	55.02	172.2	51.29	162	47.65	156.3	45.75	151.2	44.10	141	40.55
	7	6	182.4	51.72	172.2	48.32	162	44.86	156.3	43.21	151.2	41.56	141	38.31
	9	7.9	182.4	48.75	172.2	45.44	162	42.29	156.3	40.79	151.2	39.23	141	36.26
	11	9.8	182.4	45.93	172.2	42.87	162	39.97	156.3	38.50	151.2	37.09	141	34.27
	13	11.8	182.4	43.21	172.2	40.49	162	37.67	156.3	36.36	151.2	35.01	141	32.38
	15	13.7	182.4	40.79	172.2	38.16	162	35.68	156.3	34.46	151.2	33.20	141	30.72
80%	-19.8	-20	113.7	53.03	113.1	54.59	113.1	56.16	113.1	56.92	112.5	57.75	112.5	59.22
	-18.8	-19	115.5	53.52	115.5	55.08	114.9	56.58	114.9	57.41	114.9	58.14	114.3	59.74
	-16.7	-17	120	54.59	119.4	56.09	119.4	57.56	119.4	58.33	119.4	59.06	118.8	60.47
	-13.7	-15	125.1	55.76	124.5	57.17	124.5	58.57	124.5	59.22	123.9	59.98	123.9	61.45
	-11.8	-13	130.2	56.83	130.2	58.24	129.6	59.55	129.6	60.23	129.6	60.96	129.6	61.91
	-9.8	-11	136.5	57.99	136.5	59.31	135.9	60.62	135.9	61.20	135	61.11	125.7	56.00
	-9.5	-10	140.1	58.57	139.5	59.80	139.5	61.11	139.5	61.79	135	59.31	125.7	54.35
	-8.5	-9.1	142.8	59.15	132.9	60.38	142.2	61.54	139.5	60.13	135	57.75	125.7	52.94
	-7	-7.6	147.9	59.98	147.9	61.11	144	59.80	139.5	57.50	135	55.18	125.7	50.65
	-5	-5.6	156	61.05	153	60.72	144	56.16	139.5	54.01	135	51.87	125.7	47.65
	-3	-3.7	162.3	61.36	153	57.17	144	52.94	139.5	50.95	135	48.90	125.7	45.02
	0	-0.7	162.3	55.67	153	51.87	144	48.17	139.5	46.33	135	44.53	125.7	41.04
	3	2.2	162.3	50.71	153	47.34	144	44.04	139.5	42.38	135	40.79	125.7	37.58
	5	4.1	162.3	47.74	153	44.62	144	41.47	139.5	39.97	135	38.50	125.7	35.53
	7	6	162.3	45.02	153	42.14	144	39.14	139.5	37.82	135	36.42	125.7	33.63
	9	7.9	162.3	42.45	153	39.72	144	37.00	139.5	35.68	135	34.46	125.7	31.89
	11	9.8	162.3	40.15	153	37.49	144	35.01	139.5	33.79	135	32.62	125.7	30.24
	13	11.8	162.3	37.82	153	35.44	144	33.11	139.5	31.98	135	30.82	125.7	28.58
	15	13.7	162.3	35.77	153	33.63	144	31.40	139.5	30.33	135	29.26	125.7	27.17

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.8	-20	112.8	56.49	112.2	57.81	112.2	59.15	112.2	59.80	112.2	60.56	109.5	59.89
	-18.8	-19	114.6	56.92	114.6	58.24	114	59.55	114	60.23	114	60.96	109.5	58.63
	-16.7	-17	119.1	57.81	119.1	59.15	118.5	60.47	118.5	61.11	117.6	54.44	109.5	55.91
	-13.7	-15	124.2	58.82	123.6	60.13	123.6	61.36	121.5	60.47	117.6	57.99	109.5	53.19
	-11.8	-13	129.3	59.80	129.3	61.05	126	59.55	121.5	57.26	117.6	54.93	109.5	50.40
	-9.8	-11	135.6	60.81	134.1	60.81	126	56.25	121.5	54.11	117.6	51.96	109.5	47.65
	-9.5	-10	139.2	61.36	134.1	58.97	126	54.59	121.5	52.54	117.6	50.46	109.5	46.33
	-8.5	-9.1	141.9	61.69	134.1	57.41	126	53.19	121.5	51.14	117.6	49.15	109.5	45.17
	-7	-7.6	141.9	58.91	134.1	54.84	126	50.89	121.5	48.99	117.6	47.01	109.5	43.27
	-5	-5.6	141.9	55.33	134.1	51.63	126	47.92	121.5	46.00	117.6	54.44	109.5	40.79
	-3	-3.7	141.9	52.12	134.1	48.66	126	45.17	121.5	43.46	117.6	41.80	109.5	38.59
	0	-0.7	141.9	47.40	134.1	44.34	126	41.22	121.5	39.72	117.6	38.25	109.5	35.35
	3	2.2	141.9	43.36	134.1	40.55	126	37.82	121.5	36.42	117.6	35.10	109.5	32.47
	5	4.1	141.9	40.88	134.1	38.25	126	35.77	121.5	34.46	117.6	33.20	109.5	30.72
	7	6	141.9	38.65	134.1	36.17	126	33.79	121.5	32.62	117.6	31.46	109.5	29.16
	9	7.9	141.9	36.51	134.1	34.27	126	31.98	121.5	30.88	117.6	29.81	109.5	27.66
	11	9.8	141.9	34.52	134.1	32.38	126	30.33	121.5	29.32	117.6	28.34	109.5	26.26
	13	11.8	141.9	32.62	134.1	30.63	126	28.67	121.5	27.76	117.6	26.78	109.5	24.94
	15	13.7	141.9	30.97	134.1	29.07	126	27.27	121.5	26.35	117.6	25.43	109.5	23.78
60%	-19.8	-20	112.5	59.89	111.9	61.05	108	58.73	104.7	56.43	101.1	54.20	94.2	49.64
	-18.8	-19	114.3	60.29	114.3	61.45	108	57.50	104.7	55.18	101.1	52.94	94.2	48.66
	-16.7	-17	118.8	61.11	114.9	59.15	108	54.84	104.7	52.70	101.1	50.65	94.2	46.52
	-13.7	-15	121.8	60.47	114.9	56.16	108	52.12	104.7	50.13	101.1	48.17	94.2	44.28
	-11.8	-13	121.8	57.17	114.9	53.19	108	49.39	104.7	47.59	101.1	45.69	94.2	42.29
	-9.8	-11	121.8	54.01	114.9	50.31	108	46.76	104.7	45.02	101.1	43.27	94.2	39.91
	-9.5	-10	121.8	52.54	114.9	48.99	108	45.44	104.7	43.79	101.1	42.14	94.2	38.83
	-8.5	-9.1	121.8	51.14	114.9	47.65	108	44.34	104.7	42.69	101.1	41.04	94.2	37.82
	-7	-7.6	121.8	48.90	114.9	45.69	108	42.45	104.7	40.88	101.1	39.32	94.2	36.36
	-5	-5.6	121.8	46.00	114.9	43.03	108	40.06	104.7	38.59	101.1	37.18	94.2	34.37
	-3	-3.7	121.8	43.46	114.9	40.64	108	37.82	104.7	36.51	101.1	35.19	94.2	32.53
	0	-0.7	121.8	39.72	114.9	37.18	108	34.70	104.7	33.54	101.1	32.29	94.2	29.90
	3	2.2	121.8	36.42	114.9	34.18	108	31.98	104.7	30.82	101.1	29.75	94.2	27.60
	5	4.1	121.8	34.46	114.9	32.29	108	30.24	104.7	29.26	101.1	28.15	94.2	26.20
	7	6	121.8	32.62	114.9	30.63	108	28.67	104.7	27.66	101.1	26.78	94.2	24.85
	9	7.9	121.8	30.88	114.9	28.98	108	27.17	104.7	26.35	101.1	25.37	94.2	23.72
	11	9.8	121.8	29.32	114.9	27.60	108	25.86	104.7	25.03	101.1	24.11	94.2	22.55
	13	11.8	121.8	27.66	114.9	26.10	108	24.54	104.7	23.78	101.1	22.95	94.2	21.48
	15	13.7	121.8	26.35	114.9	24.79	108	23.38	104.7	22.65	101.1	21.88	94.2	20.47
50%	-19.8	-20	101.4	54.50	95.7	50.71	90	47.10	86.7	45.35	83.7	43.61	78	40.15
	-18.8	-19	101.4	53.28	95.7	49.64	90	46.18	86.7	44.43	83.7	42.69	78	39.42
	-16.7	-17	101.4	50.89	95.7	47.40	90	44.10	86.7	42.45	83.7	40.88	78	37.76
	-13.7	-15	101.4	48.41	95.7	45.17	90	42.05	86.7	40.49	83.7	38.99	78	36.02
	-11.8	-13	101.4	46.00	95.7	42.97	90	39.97	86.7	38.50	83.7	37.09	78	34.27
	-9.8	-11	101.4	43.52	95.7	40.73	90	37.92	86.7	36.51	83.7	35.19	78	32.62
	-9.5	-10	101.4	42.38	95.7	39.57	90	36.94	86.7	35.59	83.7	34.27	78	31.70
	-8.5	-9.1	101.4	41.31	95.7	38.65	90	36.02	86.7	34.76	83.7	33.54	78	30.97
	-7	-7.6	101.4	39.57	95.7	37.09	90	34.52	86.7	33.36	83.7	32.22	78	29.81
	-5	-5.6	101.4	37.33	95.7	35.01	90	32.71	86.7	31.64	83.7	30.48	78	28.25
	-3	-3.7	101.4	35.35	95.7	33.20	90	30.97	86.7	29.99	83.7	28.92	78	26.84
	0	-0.7	101.4	32.47	95.7	30.48	90	28.58	86.7	27.60	83.7	26.69	78	24.79
	3	2.2	101.4	29.90	95.7	28.09	90	26.35	86.7	25.43	83.7	24.60	78	22.95
	5	4.1	101.4	28.34	95.7	26.69	90	25.03	86.7	24.21	83.7	23.47	78	21.82
	7	6	101.4	26.93	95.7	25.37	90	23.78	86.7	23.04	83.7	22.31	78	20.81
	9	7.9	101.4	25.52	95.7	24.11	90	22.65	86.7	21.97	83.7	21.24	78	19.83
	11	9.8	101.4	24.30	95.7	22.89	90	21.54	86.7	20.90	83.7	20.23	78	18.91
	13	11.8	101.4	23.14	95.7	21.82	90	20.47	86.7	19.92	83.7	19.25	78	18.09
	15	13.7	101.4	21.97	95.7	20.81	90	19.59	86.7	19.00	83.7	18.42	78	17.26

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	81	41.44	76.5	38.56	72	35.77	69.3	34.46	66.9	33.14	62.4	30.51
	-18.8	-19	81	40.49	76.5	37.73	72	35.10	69.3	33.79	66.9	32.47	62.4	29.96
	-16.7	-17	81	38.68	76.5	36.02	72	33.51	69.3	32.25	66.9	31.06	62.4	28.67
	-13.7	-15	81	36.78	76.5	34.34	72	31.95	69.3	30.76	66.9	29.62	62.4	27.36
	-11.8	-13	81	34.98	76.5	32.65	72	30.39	69.3	29.26	66.9	28.18	62.4	26.04
	-9.8	-11	81	33.08	76.5	30.94	72	28.83	69.3	27.76	66.9	26.75	62.4	24.79
	-9.5	-10	81	32.19	76.5	30.08	72	28.06	69.3	27.05	66.9	26.04	62.4	24.11
	-8.5	-9.1	81	31.40	76.5	29.38	72	27.36	69.3	26.44	66.9	25.49	62.4	23.53
	-7	-7.6	81	30.08	76.5	28.18	72	26.23	69.3	25.37	66.9	24.48	62.4	22.68
	-5	-5.6	81	28.37	76.5	26.62	72	24.85	69.3	24.05	66.9	23.17	62.4	21.48
	-3	-3.7	81	26.87	76.5	25.25	72	23.53	69.3	22.80	66.9	21.97	62.4	20.41
	0	-0.7	81	24.67	76.5	23.17	72	21.73	69.3	20.96	66.9	20.29	62.4	18.82
	3	2.2	81	22.74	76.5	21.33	72	20.01	69.3	19.34	66.9	18.70	62.4	17.44
	5	4.1	81	21.54	76.5	20.29	72	19.03	69.3	18.39	66.9	17.84	62.4	16.59
	7	6	81	20.47	76.5	19.28	72	18.09	69.3	17.50	66.9	16.95	62.4	15.82
30%	9	7.9	81	19.40	76.5	18.33	72	17.20	69.3	16.71	66.9	16.13	62.4	15.06
	11	9.8	81	18.45	76.5	17.38	72	16.37	69.3	15.88	66.9	15.39	62.4	14.38
	13	11.8	81	17.57	76.5	16.59	72	15.58	69.3	15.12	66.9	14.63	62.4	13.74
	15	13.7	81	16.71	76.5	15.82	72	14.87	69.3	14.44	66.9	13.99	62.4	13.13
	-19.8	-20	60.9	30.42	57.3	28.31	54	21.02	51.9	25.31	50.1	24.33	46.8	22.40
	-18.8	-19	60.9	29.71	57.3	27.70	54	20.63	51.9	24.79	50.1	23.84	46.8	21.97
	-16.7	-17	60.9	28.40	57.3	26.47	54	19.68	51.9	23.69	50.1	22.83	46.8	21.05
	-13.7	-15	60.9	27.02	57.3	25.22	54	18.76	51.9	22.58	50.1	21.76	46.8	20.11
	-11.8	-13	60.9	25.68	57.3	23.96	54	17.84	51.9	21.48	50.1	20.69	46.8	19.13
	-9.8	-11	60.9	24.30	57.3	22.74	54	16.92	51.9	20.38	50.1	19.65	46.8	18.21
	-9.5	-10	60.9	23.66	57.3	22.06	54	16.49	51.9	19.86	50.1	19.13	46.8	17.69
	-8.5	-9.1	60.9	23.04	57.3	21.57	54	16.07	51.9	19.40	50.1	18.70	46.8	17.29
	-7	-7.6	60.9	22.06	57.3	20.69	54	15.42	51.9	18.61	50.1	17.96	46.8	16.65
	-5	-5.6	60.9	20.84	57.3	19.55	54	14.60	51.9	17.66	50.1	17.01	46.8	15.76
	-3	-3.7	60.9	19.74	57.3	18.51	54	13.83	51.9	16.74	50.1	16.13	46.8	14.96
	0	-0.7	60.9	18.12	57.3	17.01	54	12.76	51.9	15.39	50.1	14.87	46.8	13.83
20%	3	2.2	60.9	16.68	57.3	15.67	54	11.75	51.9	14.20	50.1	13.74	46.8	12.82
	5	4.1	60.9	15.82	57.3	14.87	54	11.17	51.9	13.50	50.1	13.10	46.8	12.18
	7	6	60.9	15.03	57.3	14.14	54	10.62	51.9	12.85	50.1	12.46	46.8	11.63
	9	7.9	60.9	14.23	57.3	13.47	54	10.10	51.9	12.27	50.1	11.84	46.8	11.05
	11	9.8	60.9	13.56	57.3	12.76	54	9.61	51.9	11.66	50.1	11.29	46.8	10.56
	13	11.8	60.9	12.91	57.3	12.18	54	9.15	51.9	11.11	50.1	10.74	46.8	10.10
	15	13.7	60.9	12.27	57.3	11.63	54	8.75	51.9	10.59	50.1	10.28	46.8	9.64
	-19.8	-20	40.5	19.62	38.4	18.27	36	16.95	34.5	16.31	33.6	15.70	31.2	14.44
	-18.8	-19	40.5	19.19	38.4	17.87	36	16.62	34.5	16.01	33.6	15.36	31.2	14.20
	-16.7	-17	40.5	18.33	38.4	17.08	36	15.88	34.5	15.27	33.6	14.72	31.2	13.59
	-13.7	-15	40.5	17.41	38.4	16.28	36	15.15	34.5	14.57	33.6	14.05	31.2	12.98
	-11.8	-13	40.5	16.56	38.4	15.45	36	14.38	34.5	13.86	33.6	13.34	31.2	12.33
	-9.8	-11	40.5	15.67	38.4	14.66	36	13.65	34.5	13.13	33.6	12.67	31.2	11.75
	-9.5	-10	40.5	15.24	38.4	14.23	36	13.28	34.5	12.82	33.6	12.33	31.2	11.41
	-8.5	-9.1	40.5	14.87	38.4	13.92	36	12.98	34.5	12.52	33.6	12.09	31.2	11.14
	-7	-7.6	40.5	14.23	38.4	13.34	36	12.42	34.5	12.03	33.6	11.60	31.2	10.74
	-5	-5.6	40.5	13.43	38.4	12.61	36	11.78	34.5	11.38	33.6	10.99	31.2	10.16
	-3	-3.7	40.5	12.73	38.4	11.97	36	11.14	34.5	10.80	33.6	10.40	31.2	9.67
	0	-0.7	40.5	11.69	38.4	10.99	36	10.28	34.5	9.95	33.6	9.61	31.2	8.94
	3	2.2	40.5	10.77	38.4	10.10	36	9.49	34.5	9.15	33.6	8.87	31.2	8.26
	5	4.1	40.5	10.19	38.4	9.61	36	9.00	34.5	8.72	33.6	8.45	31.2	7.86
	7	6	40.5	9.70	38.4	9.12	36	8.57	34.5	8.29	33.6	8.02	31.2	7.50
	9	7.9	40.5	9.18	38.4	8.69	36	8.14	34.5	7.90	33.6	7.65	31.2	7.13
	11	9.8	40.5	8.75	38.4	8.23	36	7.77	34.5	7.53	33.6	7.28	31.2	6.82
	13	11.8	40.5	8.32	38.4	7.86	36	7.38	34.5	7.16	33.6	6.92	31.2	6.52
	15	13.7	40.5	7.90	38.4	7.50	36	7.04	34.5	6.82	33.6	6.62	31.2	6.21

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR640ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	116.4	36.54	116.1	39.16	115.5	41.78	115.5	43.03	114.9	44.31	114.9	46.90
	-18.8	-19	118.2	37.38	117.6	39.91	117.6	42.53	117	43.81	117	44.97	116.4	47.59
	-16.7	-17	123	39.16	122.4	41.60	121.8	44.06	121.8	45.22	121.8	46.50	121.2	48.93
	-13.7	-15	128.1	40.94	127.5	43.28	126.9	45.65	126.9	46.84	126.3	48.02	126.3	50.36
	-11.8	-13	133.2	42.78	133.2	45.06	132.6	47.24	132	48.43	132	49.62	131.4	51.80
	-9.8	-11	139.5	44.65	138.9	46.84	138.3	48.93	138.3	50.02	138.3	51.11	137.7	53.33
	-9.5	-10	142.8	45.65	142.2	47.68	141.6	49.77	141.6	50.86	141	51.89	141	53.98
	-8.5	-9.1	145.8	46.40	145.2	48.43	145.2	50.55	144.6	51.55	144.6	52.55	144	54.67
	-7	-7.6	150.9	47.74	150.9	49.77	150.3	51.71	150.3	52.74	149.7	53.64	149.1	55.67
	-5	-5.6	159	49.62	158.4	51.46	157.8	53.33	157.8	54.33	157.2	55.17	157.2	57.01
	-3	-3.7	166.2	51.21	165.6	52.99	165.6	54.73	165	55.67	165	56.61	164.4	58.29
	0	-0.7	179.4	53.64	179.4	55.33	178.8	56.95	178.8	57.60	178.2	58.63	178.2	60.32
	3	2.2	193.8	55.92	193.2	57.45	192.6	58.95	192.6	59.73	192.6	60.57	192	62.00
	5	4.1	203.4	57.26	202.8	58.79	202.8	60.23	202.2	60.97	202.2	61.66	201.6	63.10
	7	6	213.6	58.70	213	59.98	213	61.41	212.4	62.07	212.4	62.75	204	60.32
	9	7.9	224.4	59.88	224.1	61.22	224.1	62.50	223.5	63.16	219	61.82	204	56.61
	11	9.8	236.1	61.07	235.5	62.32	234.3	63.10	226.2	60.63	219	58.10	204	53.33
	13	11.8	248.4	62.25	248.1	63.41	234.3	59.13	226.2	56.76	219	54.58	204	50.02
	15	13.7	260.4	63.35	249	60.07	234.3	55.67	226.2	53.58	219	51.39	204	47.24
120%	-19.8	-20	116.1	40.10	115.5	42.44	114.9	44.90	114.9	46.00	114.9	47.24	114.3	49.62
	-18.8	-19	117.6	40.85	117	43.22	117	45.56	116.7	46.65	116.7	47.93	116.1	50.27
	-16.7	-17	122.4	42.44	121.8	44.72	120.9	46.90	121.2	48.09	121.2	49.27	120.6	51.46
	-13.7	-15	127.5	44.12	126.9	46.34	126.3	48.43	126.3	49.62	126.3	50.61	125.7	52.80
	-11.8	-13	132.6	45.81	132.6	47.93	132	49.96	132	51.05	131.4	52.05	131.4	54.17
	-9.8	-11	138.9	47.59	138.3	49.52	138.3	51.55	137.7	52.55	137.7	53.49	137.1	55.51
	-9.5	-10	142.2	48.43	141.6	50.36	141	52.30	141	53.33	141	54.23	140.7	56.17
	-8.5	-9.1	145.2	49.18	144.6	51.05	144.6	52.99	144	53.89	144	54.92	143.4	56.76
	-7	-7.6	150.3	50.46	150.3	52.30	149.7	54.08	149.7	55.01	149.1	55.92	149.1	57.70
	-5	-5.6	158.4	52.05	157.8	53.83	157.2	55.58	157.2	56.42	157.2	57.35	156.6	58.95
	-3	-3.7	165.6	53.64	165.6	55.33	165	56.95	165	57.70	164.7	58.63	164.7	60.23
	0	-0.7	178.8	55.92	178.8	57.45	178.2	58.95	178.2	59.73	177.6	60.47	177.6	62.00
	3	2.2	193.2	58.04	192.6	59.38	192.6	60.82	192	61.57	192	62.25	188.1	61.91
	5	4.1	202.8	59.29	202.2	60.63	202.2	62.00	201.6	62.66	201.6	63.35	188.1	58.10
	7	6	213	60.47	213	61.75	212.7	63.00	209.1	62.16	202.2	59.63	188.1	54.67
	9	7.9	224.1	61.66	223.5	62.91	216	60.82	209.1	58.38	202.2	56.01	188.1	51.46
	11	9.8	235.5	62.75	229.8	61.66	216	57.20	209.1	55.01	202.2	52.74	188.1	48.52
	13	11.8	243.9	62.16	229.8	57.85	216	53.64	209.1	51.64	202.2	49.62	188.1	45.65
	15	13.7	243.9	58.54	229.8	54.48	216	50.61	209.1	48.59	202.2	46.74	188.1	43.03
110%	-19.8	-20	115.5	43.62	114.9	45.75	114.3	47.93	114.3	49.02	114.3	50.11	113.7	52.30
	-18.8	-19	117	44.31	116.7	46.40	116.7	48.59	116.7	49.62	116.1	50.71	116.1	52.89
	-16.7	-17	121.8	45.75	121.2	47.84	123	49.96	120.6	50.96	120.6	51.96	120	53.98
	-13.7	-15	126.9	47.34	126.3	49.27	125.7	51.30	125.7	52.30	125.7	53.33	125.1	55.26
	-11.8	-13	132	48.93	132	50.80	131.4	52.64	131.4	53.64	130.8	54.58	130.8	56.51
	-9.8	-11	138.3	50.46	137.7	52.30	137.7	54.08	137.1	55.01	137.1	55.92	137.1	57.70
	-9.5	-10	141.6	51.30	141	52.99	140.4	54.83	140.4	55.67	140.4	56.61	140.1	58.38
	-8.5	-9.1	144.6	51.96	144	53.64	144	55.42	143.4	56.36	143.4	57.20	143.4	52.14
	-7	-7.6	149.7	53.14	149.7	54.73	149.1	56.42	149.1	57.26	149.1	58.10	148.5	59.79
	-5	-5.6	157.8	54.67	157.2	56.26	156.6	57.79	156.6	58.63	156.6	59.38	156	61.07
	-3	-3.7	165	56.01	165	57.54	164.7	59.04	164.7	59.79	164.1	60.57	164.1	62.07
	0	-0.7	178.2	58.10	178.2	59.54	177.6	60.97	177.6	61.66	177.6	62.32	172.5	61.16
	3	2.2	192.6	60.07	192	61.32	192	62.66	191.4	63.25	185.1	60.63	172.5	55.67
	5	4.1	202.2	61.22	202.2	62.50	198.3	61.91	191.4	59.38	185.1	57.01	172.5	52.30
	7	6	212.4	62.32	210.9	62.75	198.3	58.10	191.4	55.86	185.1	53.64	172.5	49.27
	9	7.9	223.5	63.35	210.9	58.95	198.3	54.67	191.4	52.55	185.1	50.46	172.5	46.40
	11	9.8	223.5	59.63	210.9	55.51	198.3	51.46	191.4	49.52	185.1	47.59	172.5	43.81
	13	11.8	223.5	55.92	210.9	52.05	198.3	48.34	191.4	46.59	185.1	44.72	172.5	41.28
	15	13.7	223.5	49.62	210.9	49.12	198.3	45.65	191.4	43.97	185.1	42.28	172.5	39.01

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	114.9	47.09	114.3	49.02	114.3	51.05	113.7	52.05	113.7	52.99	113.1	55.01
	-18.8	-19	116.7	47.68	116.7	49.62	116.1	51.64	116.1	52.64	115.5	53.64	115.5	55.58
	-16.7	-17	121.2	49.02	120.6	50.96	120.6	52.80	120	53.73	120	54.67	120	56.61
	-13.7	-15	126.3	50.46	125.7	52.30	125.1	54.08	125.1	55.01	125.1	55.92	124.5	57.70
	-11.8	-13	131.4	51.96	131.4	53.64	130.8	55.33	130.8	56.26	130.8	57.10	130.2	58.88
	-9.8	-11	137.7	53.33	137.1	55.01	137.1	56.70	137.1	57.54	136.5	58.29	136.5	59.98
	-9.5	-10	141	54.08	140.7	55.67	140.7	57.26	140.1	58.10	140.1	58.95	139.5	60.57
	-8.5	-9.1	144	54.67	143.4	56.36	143.4	57.85	143.4	58.63	142.8	59.48	142.8	60.97
	-7	-7.6	149.1	55.76	149.1	57.26	148.5	58.79	148.5	59.63	148.5	60.32	147.9	61.91
	-5	-5.6	157.2	57.20	156.6	58.63	156.6	60.07	156	60.72	156	61.47	155.4	63.00
	-3	-3.7	164.7	58.45	164.7	53.05	164.1	61.22	164.1	61.91	164.1	62.57	157.2	59.98
	0	-0.7	177.6	60.32	177.6	61.66	177	62.91	174.3	61.91	168.6	59.29	157.2	54.42
	3	2.2	192	62.07	191.4	63.25	180	58.54	174.3	56.26	168.6	53.98	157.2	49.62
	5	4.1	201.6	63.25	191.4	59.38	180	55.01	174.3	52.99	168.6	50.86	157.2	46.74
	7	6	202.8	59.98	191.4	55.86	180	51.80	174.3	49.87	168.6	47.93	157.2	44.06
90%	9	7.9	202.8	56.36	191.4	52.55	180	48.77	174.3	46.34	168.6	45.15	157.2	41.60
	11	9.8	202.8	53.05	191.4	49.52	180	46.00	174.3	44.31	168.6	42.63	157.2	39.26
	13	11.8	202.8	49.87	191.4	46.59	180	43.28	174.3	41.69	168.6	40.19	157.2	37.07
	15	13.7	202.8	46.99	191.4	43.97	180	40.94	174.3	39.41	168.6	37.91	157.2	35.14
	-19.8	-20	114	50.61	113.4	52.30	113.4	54.17	112.8	55.01	112.8	55.92	112.8	57.70
	-18.8	-19	115.8	51.11	115.8	52.99	115.2	54.67	115.2	55.58	115.2	56.42	114.6	58.20
	-16.7	-17	120.3	52.39	119.7	54.08	119.7	55.76	119.7	56.61	119.1	57.45	119.1	59.13
	-13.7	-15	125.4	53.64	124.8	55.33	124.8	56.95	124.2	57.70	124.2	58.54	124.2	60.13
	-11.8	-13	130.5	55.01	130.5	56.51	130.2	58.04	130.2	58.88	130.2	59.63	129.6	61.16
	-9.8	-11	136.8	56.26	136.8	57.70	136.2	59.23	136.2	59.98	136.2	60.72	135.6	62.25
	-9.5	-10	140.4	56.95	139.8	58.38	139.8	59.79	139.2	60.57	139.2	61.32	139.2	62.66
	-8.5	-9.1	143.1	57.54	143.1	58.95	142.5	60.32	142.5	60.97	142.5	61.75	141	62.32
	-7	-7.6	148.2	58.45	148.2	59.79	147.6	61.22	147.6	61.91	147.6	62.57	141	59.54
	-5	-5.6	156.3	59.73	155.7	60.97	155.7	62.32	155.1	63.00	151.2	60.97	141	55.92
	-3	-3.7	163.8	60.91	163.8	62.07	162	62.32	156.3	59.88	151.2	57.45	141	52.74
	0	-0.7	177.3	62.66	172.2	61.07	162	56.61	156.3	54.33	151.2	52.21	141	47.93
80%	3	2.2	182.4	59.63	172.2	55.58	162	51.55	156.3	49.62	151.2	47.59	141	43.87
	5	4.1	182.4	56.11	172.2	52.30	162	48.59	156.3	46.65	151.2	44.97	141	41.35
	7	6	182.4	52.74	172.2	49.27	162	45.75	156.3	44.06	151.2	42.38	141	39.07
	9	7.9	182.4	49.71	172.2	46.34	162	43.13	156.3	41.60	151.2	40.00	141	36.98
	11	9.8	182.4	46.84	172.2	43.72	162	40.75	156.3	39.26	151.2	37.82	141	34.95
	13	11.8	182.4	44.06	172.2	41.28	162	38.41	156.3	37.07	151.2	35.70	141	33.01
	15	13.7	182.4	41.60	172.2	38.91	162	36.38	156.3	35.14	151.2	33.86	141	31.33
	-19.8	-20	113.7	54.08	113.1	55.67	113.1	57.26	113.1	58.04	112.5	58.88	112.5	60.38
	-18.8	-19	115.5	54.58	115.5	56.17	114.9	57.70	114.9	58.54	114.9	59.29	114.3	60.91
	-16.7	-17	120	55.67	119.4	57.20	119.4	58.70	119.4	59.48	119.4	60.23	118.8	61.66
	-13.7	-15	125.1	56.86	124.5	58.29	124.5	59.73	124.5	60.38	123.9	61.16	123.9	62.66
	-11.8	-13	130.2	57.95	130.2	59.38	129.6	60.72	129.6	61.41	129.6	62.16	125.7	60.47
	-9.8	-11	136.5	59.13	136.5	60.47	135.9	61.82	135.9	62.41	135	62.32	125.7	57.10
	-9.5	-10	140.1	59.73	139.5	60.97	139.5	62.32	139.5	63.00	135	60.47	125.7	55.42
	-8.5	-9.1	142.8	60.32	132.9	61.57	142.2	62.75	139.5	61.32	135	58.88	125.7	53.98
	-7	-7.6	147.9	61.16	147.9	62.32	144	60.97	139.5	58.63	135	56.26	125.7	51.64
	-5	-5.6	156	62.25	153	61.91	144	57.26	139.5	55.08	135	52.89	125.7	48.59
	-3	-3.7	162.3	62.57	153	58.29	144	53.98	139.5	51.96	135	49.87	125.7	45.90
	0	-0.7	162.3	56.76	153	52.89	144	49.12	139.5	47.24	135	45.40	125.7	41.85
	3	2.2	162.3	51.71	153	48.27	144	44.90	139.5	43.22	135	41.60	125.7	38.32
	5	4.1	162.3	48.68	153	45.50	144	42.28	139.5	40.75	135	39.26	125.7	36.23
	7	6	162.3	45.90	153	42.97	144	39.91	139.5	38.57	135	37.13	125.7	34.29
	9	7.9	162.3	43.28	153	40.50	144	37.73	139.5	36.38	135	35.14	125.7	32.52
	11	9.8	162.3	40.94	153	38.23	144	35.70	139.5	34.45	135	33.26	125.7	30.83
	13	11.8	162.3	38.57	153	36.14	144	33.76	139.5	32.61	135	31.42	125.7	29.15
	15	13.7	162.3	36.48	153	34.29	144	32.02	139.5	30.92	135	29.83	125.7	27.71

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	112.8	57.60	112.2	58.95	112.2	60.32	112.2	60.97	112.2	61.75	109.5	61.07
	-18.8	-19	114.6	58.04	114.6	59.38	114	60.72	114	61.41	114	62.16	109.5	59.79
	-16.7	-17	119.1	58.95	119.1	60.32	118.5	61.66	118.5	62.32	117.6	55.51	109.5	57.01
	-13.7	-15	124.2	59.98	123.6	61.32	123.6	62.57	121.5	61.66	117.6	59.13	109.5	54.23
	-11.8	-13	129.3	60.97	129.3	62.25	126	60.72	121.5	58.38	117.6	56.01	109.5	51.39
	-9.8	-11	135.6	62.00	134.1	62.00	126	57.35	121.5	55.17	117.6	52.99	109.5	48.59
	-9.5	-10	139.2	62.57	134.1	60.13	126	55.67	121.5	53.58	117.6	51.46	109.5	47.24
	-8.5	-9.1	141.9	62.91	134.1	58.54	126	54.23	121.5	52.14	117.6	50.11	109.5	46.06
	-7	-7.6	141.9	60.07	134.1	55.92	126	51.89	121.5	49.96	117.6	47.93	109.5	44.12
	-5	-5.6	141.9	56.42	134.1	52.64	126	48.87	121.5	46.90	117.6	55.51	109.5	41.60
	-3	-3.7	141.9	53.14	134.1	49.62	126	46.06	121.5	44.31	117.6	42.63	109.5	39.35
	0	-0.7	141.9	48.34	134.1	45.22	126	42.03	121.5	40.50	117.6	39.01	109.5	36.04
	3	2.2	141.9	44.22	134.1	41.35	126	38.57	121.5	37.13	117.6	35.79	109.5	33.11
	5	4.1	141.9	41.69	134.1	39.01	126	36.48	121.5	35.14	117.6	33.86	109.5	31.33
	7	6	141.9	39.41	134.1	36.88	126	34.45	121.5	33.26	117.6	32.08	109.5	29.74
60%	9	7.9	141.9	37.23	134.1	34.95	126	32.61	121.5	31.49	117.6	30.39	109.5	28.21
	11	9.8	141.9	35.20	134.1	33.01	126	30.92	121.5	29.89	117.6	28.90	109.5	26.77
	13	11.8	141.9	33.26	134.1	31.24	126	29.24	121.5	28.30	117.6	27.30	109.5	25.43
	15	13.7	141.9	31.58	134.1	29.64	126	27.80	121.5	26.87	117.6	25.93	109.5	24.25
	-19.8	-20	112.5	61.07	111.9	62.25	108	59.88	104.7	57.54	101.1	55.26	94.2	50.61
	-18.8	-19	114.3	61.47	114.3	62.66	108	58.63	104.7	56.26	101.1	53.98	94.2	49.62
	-16.7	-17	118.8	62.32	114.9	60.32	108	55.92	104.7	53.73	101.1	51.64	94.2	47.43
	-13.7	-15	121.8	61.66	114.9	57.26	108	53.14	104.7	51.11	101.1	49.12	94.2	45.15
	-11.8	-13	121.8	58.29	114.9	54.23	108	50.36	104.7	48.52	101.1	46.59	94.2	43.13
	-9.8	-11	121.8	55.08	114.9	51.30	108	47.68	104.7	45.90	101.1	44.12	94.2	40.69
	-9.5	-10	121.8	53.58	114.9	49.96	108	46.34	104.7	44.65	101.1	42.97	94.2	39.60
	-8.5	-9.1	121.8	52.14	114.9	48.59	108	45.22	104.7	43.53	101.1	41.85	94.2	38.57
	-7	-7.6	121.8	49.87	114.9	46.59	108	43.28	104.7	41.69	101.1	40.10	94.2	37.07
	-5	-5.6	121.8	46.90	114.9	43.87	108	40.85	104.7	39.35	101.1	37.91	94.2	35.04
	-3	-3.7	121.8	44.31	114.9	41.44	108	38.57	104.7	37.23	101.1	35.89	94.2	33.17
50%	0	-0.7	121.8	40.50	114.9	37.91	108	35.39	104.7	34.20	101.1	32.92	94.2	30.49
	3	2.2	121.8	37.13	114.9	34.86	108	32.61	104.7	31.42	101.1	30.33	94.2	28.15
	5	4.1	121.8	35.14	114.9	32.92	108	30.83	104.7	29.83	101.1	28.71	94.2	26.71
	7	6	121.8	33.26	114.9	31.24	108	29.24	104.7	28.21	101.1	27.30	94.2	25.34
	9	7.9	121.8	31.49	114.9	29.55	108	27.71	104.7	26.87	101.1	25.87	94.2	24.18
	11	9.8	121.8	29.89	114.9	28.15	108	26.37	104.7	25.53	101.1	24.59	94.2	23.00
	13	11.8	121.8	28.21	114.9	26.62	108	25.03	104.7	24.25	101.1	23.40	94.2	21.91
	15	13.7	121.8	26.87	114.9	25.28	108	23.84	104.7	23.09	101.1	22.31	94.2	20.88
	-19.8	-20	101.4	55.58	95.7	51.71	90	48.02	86.7	46.25	83.7	44.47	78	40.94
	-18.8	-19	101.4	54.33	95.7	50.61	90	47.09	86.7	45.31	83.7	43.53	78	40.19
	-16.7	-17	101.4	51.89	95.7	48.34	90	44.97	86.7	43.28	83.7	41.69	78	38.51
	-13.7	-15	101.4	49.37	95.7	46.06	90	42.88	86.7	41.28	83.7	39.75	78	36.73
	-11.8	-13	101.4	46.90	95.7	43.81	90	40.75	86.7	39.26	83.7	37.82	78	34.95
	-9.8	-11	101.4	44.37	95.7	41.53	90	38.66	86.7	37.23	83.7	35.89	78	33.26
	-9.5	-10	101.4	43.22	95.7	40.35	90	37.66	86.7	36.29	83.7	34.95	78	32.33
	-8.5	-9.1	101.4	42.13	95.7	39.41	90	36.73	86.7	35.45	83.7	34.20	78	31.58
	-7	-7.6	101.4	40.35	95.7	37.82	90	35.20	86.7	34.01	83.7	32.86	78	30.39
	-5	-5.6	101.4	38.07	95.7	35.70	90	33.36	86.7	32.27	83.7	31.08	78	28.80
	-3	-3.7	101.4	36.04	95.7	33.86	90	31.58	86.7	30.58	83.7	29.49	78	27.37
	0	-0.7	101.4	33.11	95.7	31.08	90	29.15	86.7	28.15	83.7	27.21	78	25.28
	3	2.2	101.4	30.49	95.7	28.65	90	26.87	86.7	25.93	83.7	25.09	78	23.40
	5	4.1	101.4	28.90	95.7	27.21	90	25.53	86.7	24.68	83.7	23.93	78	22.25
	7	6	101.4	27.46	95.7	25.87	90	24.25	86.7	23.50	83.7	22.75	78	21.22
	9	7.9	101.4	26.02	95.7	24.59	90	23.09	86.7	22.41	83.7	21.66	78	20.22
	11	9.8	101.4	24.78	95.7	23.34	90	21.97	86.7	21.31	83.7	20.63	78	19.28
	13	11.8	101.4	23.59	95.7	22.25	90	20.88	86.7	20.31	83.7	19.63	78	18.44
	15	13.7	101.4	22.41	95.7	21.22	90	19.97	86.7	19.38	83.7	18.79	78	17.60

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	81	42.25	76.5	39.32	72	36.48	69.3	35.14	66.9	33.79	62.4	31.11
	-18.8	-19	81	41.28	76.5	38.48	72	35.79	69.3	34.45	66.9	33.11	62.4	30.55
	-16.7	-17	81	39.44	76.5	36.73	72	34.17	69.3	32.89	66.9	31.67	62.4	29.24
	-13.7	-15	81	37.51	76.5	35.01	72	32.58	69.3	31.36	66.9	30.21	62.4	27.90
	-11.8	-13	81	35.67	76.5	33.30	72	30.99	69.3	29.83	66.9	28.74	62.4	26.56
	-9.8	-11	81	33.73	76.5	31.55	72	29.39	69.3	28.30	66.9	27.27	62.4	25.28
	-9.5	-10	81	32.83	76.5	30.67	72	28.61	69.3	27.59	66.9	26.56	62.4	24.59
	-8.5	-9.1	81	32.02	76.5	29.96	72	27.90	69.3	26.96	66.9	25.99	62.4	24.00
	-7	-7.6	81	30.67	76.5	28.74	72	26.74	69.3	25.87	66.9	24.96	62.4	23.12
	-5	-5.6	81	28.93	76.5	27.15	72	25.34	69.3	24.53	66.9	23.62	62.4	21.91
	-3	-3.7	81	27.40	76.5	25.74	72	24.00	69.3	23.25	66.9	22.41	62.4	20.81
	0	-0.7	81	25.15	76.5	23.62	72	22.16	69.3	21.38	66.9	20.69	62.4	19.19
	3	2.2	81	23.19	76.5	21.75	72	20.41	69.3	19.72	66.9	19.07	62.4	17.79
	5	4.1	81	21.97	76.5	20.69	72	19.41	69.3	18.75	66.9	18.19	62.4	16.91
	7	6	81	20.88	76.5	19.66	72	18.44	69.3	17.85	66.9	17.29	62.4	16.13
30%	9	7.9	81	19.78	76.5	18.69	72	17.54	69.3	17.04	66.9	16.44	62.4	15.35
	11	9.8	81	18.82	76.5	17.72	72	16.69	69.3	16.20	66.9	15.70	62.4	14.67
	13	11.8	81	17.91	76.5	16.91	72	15.88	69.3	15.42	66.9	14.92	62.4	14.01
	15	13.7	81	17.04	76.5	16.13	72	15.17	69.3	14.73	66.9	14.26	62.4	13.39
	-19.8	-20	60.9	31.02	57.3	28.86	54	21.44	51.9	25.81	50.1	24.81	46.8	22.84
	-18.8	-19	60.9	30.30	57.3	28.24	54	21.03	51.9	25.28	50.1	24.31	46.8	22.41
	-16.7	-17	60.9	28.96	57.3	26.99	54	20.06	51.9	24.15	50.1	23.28	46.8	21.47
	-13.7	-15	60.9	27.55	57.3	25.71	54	19.13	51.9	23.03	50.1	22.19	46.8	20.50
	-11.8	-13	60.9	26.18	57.3	24.43	54	18.19	51.9	21.91	50.1	21.09	46.8	19.50
	-9.8	-11	60.9	24.78	57.3	23.19	54	17.26	51.9	20.78	50.1	20.03	46.8	18.57
	-9.5	-10	60.9	24.12	57.3	22.50	54	16.82	51.9	20.25	50.1	19.50	46.8	18.04
	-8.5	-9.1	60.9	23.50	57.3	22.00	54	16.38	51.9	19.78	50.1	19.07	46.8	17.63
	-7	-7.6	60.9	22.50	57.3	21.09	54	15.73	51.9	18.97	50.1	18.32	46.8	16.98
	-5	-5.6	60.9	21.25	57.3	19.94	54	14.88	51.9	18.01	50.1	17.35	46.8	16.07
	-3	-3.7	60.9	20.13	57.3	18.88	54	14.10	51.9	17.07	50.1	16.44	46.8	15.26
	0	-0.7	60.9	18.47	57.3	17.35	54	13.01	51.9	15.70	50.1	15.17	46.8	14.10
20%	3	2.2	60.9	17.01	57.3	15.98	54	11.98	51.9	14.48	50.1	14.01	46.8	13.07
	5	4.1	60.9	16.13	57.3	15.17	54	11.39	51.9	13.76	50.1	13.36	46.8	12.42
	7	6	60.9	15.32	57.3	14.42	54	10.83	51.9	13.11	50.1	12.70	46.8	11.86
	9	7.9	60.9	14.51	57.3	13.73	54	10.30	51.9	12.51	50.1	12.08	46.8	11.26
	11	9.8	60.9	13.82	57.3	13.01	54	9.80	51.9	11.89	50.1	11.51	46.8	10.77
	13	11.8	60.9	13.17	57.3	12.42	54	9.33	51.9	11.33	50.1	10.95	46.8	10.30
	15	13.7	60.9	12.51	57.3	11.86	54	8.92	51.9	10.80	50.1	10.48	46.8	9.83
	-19.8	-20	40.5	20.00	38.4	18.63	36	17.29	34.5	16.63	33.6	16.01	31.2	14.73
	-18.8	-19	40.5	19.57	38.4	18.22	36	16.94	34.5	16.32	33.6	15.66	31.2	14.48
	-16.7	-17	40.5	18.69	38.4	17.41	36	16.20	34.5	15.57	33.6	15.01	31.2	13.85
	-13.7	-15	40.5	17.76	38.4	16.60	36	15.45	34.5	14.85	33.6	14.32	31.2	13.23
	-11.8	-13	40.5	16.88	38.4	15.76	36	14.67	34.5	14.14	33.6	13.61	31.2	12.58
	-9.8	-11	40.5	15.98	38.4	14.95	36	13.92	34.5	13.39	33.6	12.92	31.2	11.98
	-9.5	-10	40.5	15.54	38.4	14.51	36	13.54	34.5	13.07	33.6	12.58	31.2	11.64
	-8.5	-9.1	40.5	15.17	38.4	14.20	36	13.23	34.5	12.76	33.6	12.33	31.2	11.36
	-7	-7.6	40.5	14.51	38.4	13.61	36	12.67	34.5	12.26	33.6	11.83	31.2	10.95
	-5	-5.6	40.5	13.70	38.4	12.86	36	12.01	34.5	11.61	33.6	11.20	31.2	10.36
	-3	-3.7	40.5	12.98	38.4	12.20	36	11.36	34.5	11.02	33.6	10.61	31.2	9.86
	0	-0.7	40.5	11.92	38.4	11.20	36	10.48	34.5	10.14	33.6	9.80	31.2	9.11
	3	2.2	40.5	10.98	38.4	10.30	36	9.67	34.5	9.33	33.6	9.05	31.2	8.43
	5	4.1	40.5	10.39	38.4	9.80	36	9.17	34.5	8.89	33.6	8.61	31.2	8.02
	7	6	40.5	9.89	38.4	9.30	36	8.74	34.5	8.46	33.6	8.18	31.2	7.65
	9	7.9	40.5	9.36	38.4	8.86	36	8.30	34.5	8.05	33.6	7.80	31.2	7.27
	11	9.8	40.5	8.92	38.4	8.39	36	7.93	34.5	7.68	33.6	7.43	31.2	6.96
	13	11.8	40.5	8.49	38.4	8.02	36	7.52	34.5	7.30	33.6	7.05	31.2	6.65
	15	13.7	40.5	8.05	38.4	7.65	36	7.18	34.5	6.96	33.6	6.79	31.2	6.33

Note: TC: Total capacity, PI: Power input.

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**■ TMR660ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	116.4	37.25	116.1	39.92	115.5	42.59	115.5	43.86	114.9	45.17	114.9	47.81
	-18.8	-19	118.2	38.11	117.6	40.68	117.6	43.35	117	44.66	117	45.83	116.4	48.51
	-16.7	-17	123	39.92	122.4	42.40	121.8	44.91	121.8	46.09	121.8	47.39	121.2	49.87
	-13.7	-15	128.1	41.73	127.5	44.12	126.9	46.53	126.9	47.74	126.3	48.95	126.3	51.34
	-11.8	-13	133.2	43.61	133.2	45.93	132.6	48.16	132	49.36	132	50.57	131.4	52.80
	-9.8	-11	139.5	45.52	138.9	47.74	138.3	49.87	138.3	50.99	138.3	52.10	137.7	54.36
	-9.5	-10	142.8	46.53	142.2	48.60	141.6	50.73	141.6	51.85	141	52.90	141	55.03
	-8.5	-9.1	145.8	47.30	145.2	49.36	145.2	51.53	144.6	52.55	144.6	53.56	144	55.73
	-7	-7.6	150.9	48.67	150.9	50.73	150.3	52.70	150.3	53.75	149.7	54.68	149.1	56.74
	-5	-5.6	159	50.57	158.4	52.45	157.8	54.36	157.8	55.38	157.2	56.24	157.2	58.11
	-3	-3.7	166.2	52.20	165.6	54.01	165.6	55.79	165	56.74	165	57.70	164.4	59.42
	0	-0.7	179.4	54.68	179.4	56.39	178.8	58.05	178.8	58.72	178.2	59.77	178.2	61.48
	3	2.2	193.8	57.00	193.2	58.56	192.6	60.08	192.6	60.88	192.6	61.74	192	63.20
	5	4.1	203.4	58.37	202.8	59.92	202.8	61.39	202.2	62.15	202.2	62.85	201.6	64.31
	7	6	213.6	59.83	213	61.13	213	62.60	212.4	63.26	212.4	63.96	204	61.48
	9	7.9	224.4	61.04	224.1	62.41	224.1	63.71	223.5	64.38	219	63.01	204	57.70
	11	9.8	236.1	62.25	235.5	63.52	234.3	64.31	226.2	61.80	219	59.23	204	54.36
	13	11.8	248.4	63.46	248.1	64.63	234.3	60.27	226.2	57.86	219	55.63	204	50.99
	15	13.7	260.4	64.57	249	61.23	234.3	56.74	226.2	54.61	219	52.39	204	48.16
120%	-19.8	-20	116.1	40.87	115.5	43.26	114.9	45.77	114.9	46.88	114.9	48.16	114.3	50.57
	-18.8	-19	117.6	41.64	117	44.05	117	46.44	116.7	47.55	116.7	48.86	116.1	51.24
	-16.7	-17	122.4	43.26	121.8	45.58	120.9	47.81	121.2	49.01	121.2	50.22	120.6	52.45
	-13.7	-15	127.5	44.98	126.9	47.23	126.3	49.36	126.3	50.57	126.3	51.59	125.7	53.82
	-11.8	-13	132.6	46.69	132.6	48.86	132	50.92	132	52.04	131.4	53.05	131.4	55.22
	-9.8	-11	138.9	48.51	138.3	50.48	138.3	52.55	137.7	53.56	137.7	54.52	137.1	56.59
	-9.5	-10	142.2	49.36	141.6	51.34	141	53.31	141	54.36	141	55.28	140.7	57.25
	-8.5	-9.1	145.2	50.13	144.6	52.04	144.6	54.01	144	54.93	144	55.98	143.4	57.86
	-7	-7.6	150.3	51.43	150.3	53.31	149.7	55.12	149.7	56.08	149.1	57.00	149.1	58.81
	-5	-5.6	158.4	53.05	157.8	54.87	157.2	56.65	157.2	57.51	157.2	58.46	156.6	60.08
	-3	-3.7	165.6	54.68	165.6	56.39	165	58.05	165	58.81	164.7	59.77	164.7	61.39
	0	-0.7	178.8	57.00	178.8	58.56	178.2	60.08	178.2	60.88	177.6	61.64	177.6	63.20
	3	2.2	193.2	59.16	192.6	60.53	192.6	61.99	192	62.76	192	63.46	188.1	63.11
	5	4.1	202.8	60.43	202.2	61.80	202.2	63.20	201.6	63.87	201.6	64.57	188.1	59.23
	7	6	213	61.64	213	62.95	212.7	64.22	209.1	63.36	202.2	60.78	188.1	55.73
	9	7.9	224.1	62.85	223.5	64.12	216	61.99	209.1	59.51	202.2	57.09	188.1	52.45
	11	9.8	235.5	63.96	229.8	62.85	216	58.30	209.1	56.08	202.2	53.75	188.1	49.46
	13	11.8	243.9	63.36	229.8	58.97	216	54.68	209.1	52.64	202.2	50.57	188.1	46.53
	15	13.7	243.9	59.67	229.8	55.54	216	51.59	209.1	49.52	202.2	47.65	188.1	43.86
110%	-19.8	-20	115.5	44.47	114.9	46.63	114.3	48.86	114.3	49.97	114.3	51.08	113.7	53.31
	-18.8	-19	117	45.17	116.7	47.30	116.7	49.52	116.7	50.57	116.1	51.69	116.1	53.91
	-16.7	-17	121.8	46.63	121.2	48.76	123	50.92	120.6	51.94	120.6	52.96	120	55.03
	-13.7	-15	126.9	48.25	126.3	50.22	125.7	52.29	125.7	53.31	125.7	54.36	125.1	56.33
	-11.8	-13	132	49.87	132	51.78	131.4	53.66	131.4	54.68	130.8	55.63	130.8	57.60
	-9.8	-11	138.3	51.43	137.7	53.31	137.7	55.12	137.1	56.08	137.1	57.00	137.1	58.81
	-9.5	-10	141.6	52.29	141	54.01	140.4	55.89	140.4	56.74	140.4	57.70	140.1	59.51
	-8.5	-9.1	144.6	52.96	144	54.68	144	56.49	143.4	57.44	143.4	58.30	143.4	60.94
	-7	-7.6	149.7	54.17	149.7	55.79	149.1	57.51	149.1	58.37	149.1	59.23	148.5	60.94
	-5	-5.6	157.8	55.73	157.2	57.35	156.6	58.91	156.6	59.77	156.6	60.53	156	62.25
	-3	-3.7	165	57.09	165	58.65	164.7	60.18	164.7	60.94	164.1	61.74	164.1	63.26
	0	-0.7	178.2	59.23	178.2	60.69	177.6	62.15	177.6	62.85	177.6	63.52	172.5	62.34
	3	2.2	192.6	61.23	192	62.50	192	63.87	191.4	64.47	185.1	61.80	172.5	56.74
	5	4.1	202.2	62.41	202.2	63.71	198.3	63.11	191.4	60.53	185.1	58.11	172.5	53.31
	7	6	212.4	63.52	210.9	63.96	198.3	59.23	191.4	56.93	185.1	54.68	172.5	50.22
	9	7.9	223.5	64.57	210.9	60.08	198.3	55.73	191.4	53.56	185.1	51.43	172.5	47.30
	11	9.8	223.5	60.78	210.9	56.59	198.3	52.45	191.4	50.48	185.1	48.51	172.5	44.66
	13	11.8	223.5	57.00	210.9	53.05	198.3	49.27	191.4	47.49	185.1	45.58	172.5	42.08
	15	13.7	223.5	50.57	210.9	50.06	198.3	46.53	191.4	44.82	185.1	43.10	172.5	39.76

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	114.9	48.00	114.3	49.97	114.3	52.04	113.7	53.05	113.7	54.01	113.1	56.08
	-18.8	-19	116.7	48.60	116.7	50.57	116.1	52.64	116.1	53.66	115.5	54.68	115.5	56.65
	-16.7	-17	121.2	49.97	120.6	51.94	120.6	53.82	120	54.77	120	55.73	120	57.70
	-13.7	-15	126.3	51.43	125.7	53.31	125.1	55.12	125.1	56.08	125.1	57.00	124.5	58.81
	-11.8	-13	131.4	52.96	131.4	54.68	130.8	56.39	130.8	57.35	130.8	58.21	130.2	60.02
	-9.8	-11	137.7	54.36	137.1	56.08	137.1	57.79	137.1	58.65	136.5	59.42	136.5	61.13
	-9.5	-10	141	55.12	140.7	56.74	140.7	58.37	140.1	59.23	140.1	60.08	139.5	61.74
	-8.5	-9.1	144	55.73	143.4	57.44	143.4	58.97	143.4	59.77	142.8	60.62	142.8	62.15
	-7	-7.6	149.1	56.84	149.1	58.37	148.5	59.92	148.5	60.78	148.5	61.48	147.9	63.11
	-5	-5.6	157.2	58.30	156.6	59.77	156.6	61.23	156	61.90	156	62.66	155.4	64.22
	-3	-3.7	164.7	59.57	164.7	61.07	164.1	62.41	164.1	63.11	164.1	63.77	163.5	65.23
	0	-0.7	177.6	61.48	177.6	62.85	177	64.12	174.3	63.11	168.6	60.43	157.2	55.47
	3	2.2	192	63.26	191.4	64.47	180	59.67	174.3	57.35	168.6	55.03	157.2	50.57
	5	4.1	201.6	64.47	191.4	65.68	180	56.08	174.3	54.01	168.6	51.85	157.2	47.65
	7	6	202.8	61.13	191.4	56.93	180	52.80	174.3	50.83	168.6	48.86	157.2	44.91
90%	9	7.9	202.8	57.44	191.4	53.56	180	49.71	174.3	47.23	168.6	46.03	157.2	42.40
	11	9.8	202.8	54.07	191.4	50.48	180	46.88	174.3	45.17	168.6	43.45	157.2	40.01
	13	11.8	202.8	50.83	191.4	47.49	180	44.12	174.3	42.49	168.6	40.97	157.2	37.79
	15	13.7	202.8	47.90	191.4	44.82	180	41.73	174.3	40.17	168.6	38.65	157.2	35.81
	-19.8	-20	114	51.59	113.4	53.31	113.4	55.22	112.8	56.08	112.8	57.00	112.8	58.81
	-18.8	-19	115.8	52.10	115.8	54.01	115.2	55.73	115.2	56.65	115.2	57.51	114.6	59.32
	-16.7	-17	120.3	53.40	119.7	55.12	119.7	56.84	119.7	57.70	119.1	58.56	119.1	60.27
	-13.7	-15	125.4	54.68	124.8	56.39	124.8	58.05	124.2	58.81	124.2	59.67	124.2	61.29
	-11.8	-13	130.5	56.08	130.5	57.60	130.2	59.16	130.2	60.02	130.2	60.78	129.6	62.34
	-9.8	-11	136.8	57.35	136.8	58.81	136.2	60.37	136.2	61.13	136.2	61.90	135.6	63.46
	-9.5	-10	140.4	58.05	139.8	59.51	139.8	60.94	139.2	61.74	139.2	62.50	139.2	63.87
	-8.5	-9.1	143.1	58.65	143.1	60.08	142.5	61.48	142.5	62.15	142.5	62.95	141	63.52
	-7	-7.6	148.2	59.57	148.2	60.94	147.6	62.41	147.6	63.11	147.6	63.77	141	60.69
	-5	-5.6	156.3	60.88	155.7	62.15	155.7	63.52	155.1	64.22	151.2	62.15	141	57.00
	-3	-3.7	163.8	62.09	163.8	63.26	162	63.52	156.3	61.04	151.2	58.56	141	53.75
	0	-0.7	177.3	63.87	172.2	62.25	162	57.70	156.3	55.38	151.2	53.21	141	48.86
80%	3	2.2	182.4	60.78	172.2	56.65	162	52.55	156.3	50.57	151.2	48.51	141	44.72
	5	4.1	182.4	57.19	172.2	53.31	162	49.52	156.3	47.55	151.2	45.83	141	42.14
	7	6	182.4	53.75	172.2	50.22	162	46.63	156.3	44.91	151.2	43.19	141	39.82
	9	7.9	182.4	50.67	172.2	47.23	162	43.96	156.3	42.40	151.2	40.78	141	37.69
	11	9.8	182.4	47.74	172.2	44.56	162	41.54	156.3	40.01	151.2	38.55	141	35.62
	13	11.8	182.4	44.91	172.2	42.08	162	39.15	156.3	37.79	151.2	36.39	141	33.65
	15	13.7	182.4	42.40	172.2	39.66	162	37.09	156.3	35.81	151.2	34.51	141	31.93
	-19.8	-20	113.7	55.12	113.1	56.74	113.1	58.37	113.1	59.16	112.5	60.02	112.5	61.55
	-18.8	-19	115.5	55.63	115.5	57.25	114.9	58.81	114.9	59.67	114.9	60.43	114.3	62.09
	-16.7	-17	120	56.74	119.4	58.30	119.4	59.83	119.4	60.62	119.4	61.39	118.8	62.85
	-13.7	-15	125.1	57.95	124.5	59.42	124.5	60.88	124.5	61.55	123.9	62.34	123.9	63.87
	-11.8	-13	130.2	59.07	130.2	60.53	129.6	61.90	129.6	62.60	129.6	63.36	129.6	64.88
	-9.8	-11	136.5	60.27	136.5	61.64	135.9	63.01	135.9	63.61	135	64.12	135	65.13
	-9.5	-10	140.1	60.88	139.5	62.15	139.5	63.52	139.5	64.22	135	61.64	125.7	56.49
	-8.5	-9.1	142.8	61.48	139.9	62.76	142.2	63.96	139.5	62.50	135	60.02	125.7	55.03
	-7	-7.6	147.9	62.34	147.9	63.52	144	62.15	139.5	59.77	135	57.35	125.7	52.64

Note: TC: Total capacity, PI: Power input.

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# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	112.8	58.72	112.2	60.08	112.2	61.48	112.2	62.15	112.2	62.95	109.5	62.25
	-18.8	-19	114.6	59.16	114.6	60.53	114	61.90	114	62.60	114	63.36	109.5	60.94
	-16.7	-17	119.1	60.08	119.1	61.48	118.5	62.85	118.5	63.52	117.6	56.59	109.5	58.11
	-13.7	-15	124.2	61.13	123.6	62.50	123.6	63.77	121.5	62.85	117.6	60.27	109.5	55.28
	-11.8	-13	129.3	62.15	129.3	63.46	126	61.90	121.5	59.51	117.6	57.09	109.5	52.39
	-9.8	-11	135.6	63.20	134.1	63.20	126	58.46	121.5	56.24	117.6	54.01	109.5	49.52
	-9.5	-10	139.2	63.77	134.1	61.29	126	56.74	121.5	54.61	117.6	52.45	109.5	48.16
	-8.5	-9.1	141.9	64.12	134.1	59.67	126	55.28	121.5	53.15	117.6	51.08	109.5	46.95
	-7	-7.6	141.9	61.23	134.1	57.00	126	52.90	121.5	50.92	117.6	48.86	109.5	44.98
	-5	-5.6	141.9	57.51	134.1	53.66	126	49.81	121.5	47.81	117.6	56.59	109.5	42.40
	-3	-3.7	141.9	54.17	134.1	50.57	126	46.95	121.5	45.17	117.6	43.45	109.5	40.11
	0	-0.7	141.9	49.27	134.1	46.09	126	42.84	121.5	41.29	117.6	39.76	109.5	36.74
	3	2.2	141.9	45.07	134.1	42.14	126	39.31	121.5	37.85	117.6	36.48	109.5	33.75
	5	4.1	141.9	42.49	134.1	39.76	126	37.18	121.5	35.81	117.6	34.51	109.5	31.93
	7	6	141.9	40.17	134.1	37.60	126	35.12	121.5	33.91	117.6	32.70	109.5	30.31
	9	7.9	141.9	37.95	134.1	35.62	126	33.24	121.5	32.09	117.6	30.98	109.5	28.75
	11	9.8	141.9	35.88	134.1	33.65	126	31.52	121.5	30.47	117.6	29.45	109.5	27.29
	13	11.8	141.9	33.91	134.1	31.84	126	29.80	121.5	28.85	117.6	27.83	109.5	25.92
	15	13.7	141.9	32.19	134.1	30.22	126	28.34	121.5	27.39	117.6	26.43	109.5	24.71
60%	-19.8	-20	112.5	62.25	111.9	63.46	108	61.04	104.7	58.65	101.1	56.33	94.2	51.59
	-18.8	-19	114.3	62.66	114.3	63.87	108	59.77	104.7	57.35	101.1	55.03	94.2	50.57
	-16.7	-17	118.8	63.52	114.9	61.48	108	57.00	104.7	54.77	101.1	52.64	94.2	48.35
	-13.7	-15	121.8	62.85	114.9	58.37	108	54.17	104.7	52.10	101.1	50.06	94.2	46.03
	-11.8	-13	121.8	59.42	114.9	55.28	108	51.34	104.7	49.46	101.1	47.49	94.2	43.96
	-9.8	-11	121.8	56.14	114.9	52.29	108	48.60	104.7	46.79	101.1	44.98	94.2	41.48
	-9.5	-10	121.8	54.61	114.9	50.92	108	47.23	104.7	45.52	101.1	43.80	94.2	40.36
	-8.5	-9.1	121.8	53.15	114.9	49.52	108	46.09	104.7	44.37	101.1	42.65	94.2	39.31
	-7	-7.6	121.8	50.83	114.9	47.49	108	44.12	104.7	42.49	101.1	40.87	94.2	37.79
	-5	-5.6	121.8	47.81	114.9	44.72	108	41.64	104.7	40.11	101.1	38.65	94.2	35.72
	-3	-3.7	121.8	45.17	114.9	42.24	108	39.31	104.7	37.95	101.1	36.58	94.2	33.81
	0	-0.7	121.8	41.29	114.9	38.65	108	36.07	104.7	34.86	101.1	33.56	94.2	31.08
	3	2.2	121.8	37.85	114.9	35.53	108	33.24	104.7	32.03	101.1	30.92	94.2	28.69
	5	4.1	121.8	35.81	114.9	33.56	108	31.43	104.7	30.41	101.1	29.26	94.2	27.23
	7	6	121.8	33.91	114.9	31.84	108	29.80	104.7	28.75	101.1	27.83	94.2	25.83
	9	7.9	121.8	32.09	114.9	30.12	108	28.24	104.7	27.39	101.1	26.37	94.2	24.65
	11	9.8	121.8	30.47	114.9	28.69	108	26.88	104.7	26.02	101.1	25.06	94.2	23.44
	13	11.8	121.8	28.75	114.9	27.13	108	25.51	104.7	24.71	101.1	23.86	94.2	22.33
	15	13.7	121.8	27.39	114.9	25.76	108	24.30	104.7	23.54	101.1	22.74	94.2	21.28
50%	-19.8	-20	101.4	56.65	95.7	52.70	90	48.95	86.7	47.14	83.7	45.33	78	41.73
	-18.8	-19	101.4	55.38	95.7	51.59	90	48.00	86.7	46.18	83.7	44.37	78	40.97
	-16.7	-17	101.4	52.90	95.7	49.27	90	45.83	86.7	44.12	83.7	42.49	78	39.25
	-13.7	-15	101.4	50.32	95.7	46.95	90	43.70	86.7	42.08	83.7	40.52	78	37.44
	-11.8	-13	101.4	47.81	95.7	44.66	90	41.54	86.7	40.01	83.7	38.55	78	35.62
	-9.8	-11	101.4	45.23	95.7	42.34	90	39.41	86.7	37.95	83.7	36.58	78	33.91
	-9.5	-10	101.4	44.05	95.7	41.13	90	38.39	86.7	36.99	83.7	35.62	78	32.95
	-8.5	-9.1	101.4	42.94	95.7	40.17	90	37.44	86.7	36.13	83.7	34.86	78	32.19
	-7	-7.6	101.4	41.13	95.7	38.55	90	35.88	86.7	34.67	83.7	33.49	78	30.98
	-5	-5.6	101.4	38.80	95.7	36.39	90	34.00	86.7	32.89	83.7	31.68	78	29.36
	-3	-3.7	101.4	36.74	95.7	34.51	90	32.19	86.7	31.17	83.7	30.06	78	27.89
	0	-0.7	101.4	33.75	95.7	31.68	90	29.71	86.7	28.69	83.7	27.74	78	25.76
	3	2.2	101.4	31.08	95.7	29.20	90	27.39	86.7	26.43	83.7	25.57	78	23.86
	5	4.1	101.4	29.45	95.7	27.74	90	26.02	86.7	25.16	83.7	24.40	78	22.68
	7	6	101.4	27.99	95.7	26.37	90	24.71	86.7	23.95	83.7	23.19	78	21.63
	9	7.9	101.4	26.53	95.7	25.06	90	23.54	86.7	22.84	83.7	22.07	78	20.61
	11	9.8	101.4	25.25	95.7	23.79	90	22.39	86.7	21.72	83.7	21.02	78	19.66
	13	11.8	101.4	24.05	95.7	22.68	90	21.28	86.7	20.71	83.7	20.01	78	18.80
	15	13.7	101.4	22.84	95.7	21.63	90	20.36	86.7	19.75	83.7	19.15	78	17.94

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	81	43.07	76.5	40.08	72	37.18	69.3	35.81	66.9	34.45	62.4	31.71
	-18.8	-19	81	42.08	76.5	39.22	72	36.48	69.3	35.12	66.9	33.75	62.4	31.14
	-16.7	-17	81	40.20	76.5	37.44	72	34.83	69.3	33.52	66.9	32.28	62.4	29.80
	-13.7	-15	81	38.23	76.5	35.69	72	33.21	69.3	31.97	66.9	30.79	62.4	28.44
	-11.8	-13	81	36.36	76.5	33.94	72	31.58	69.3	30.41	66.9	29.29	62.4	27.07
	-9.8	-11	81	34.38	76.5	32.16	72	29.96	69.3	28.85	66.9	27.80	62.4	25.76
	-9.5	-10	81	33.46	76.5	31.27	72	29.17	69.3	28.12	66.9	27.07	62.4	25.06
	-8.5	-9.1	81	32.63	76.5	30.53	72	28.44	69.3	27.48	66.9	26.50	62.4	24.46
	-7	-7.6	81	31.27	76.5	29.29	72	27.26	69.3	26.37	66.9	25.45	62.4	23.57
	-5	-5.6	81	29.49	76.5	27.67	72	25.83	69.3	25.00	66.9	24.08	62.4	22.33
	-3	-3.7	81	27.93	76.5	26.24	72	24.46	69.3	23.70	66.9	22.84	62.4	21.22
	0	-0.7	81	25.64	76.5	24.08	72	22.58	69.3	21.79	66.9	21.09	62.4	19.56
	3	2.2	81	23.63	76.5	22.17	72	20.80	69.3	20.10	66.9	19.43	62.4	18.13
	5	4.1	81	22.39	76.5	21.09	72	19.78	69.3	19.12	66.9	18.54	62.4	17.24
	7	6	81	21.28	76.5	20.04	72	18.80	69.3	18.19	66.9	17.62	62.4	16.44
30%	9	7.9	81	20.17	76.5	19.05	72	17.88	69.3	17.37	66.9	16.76	62.4	15.65
	11	9.8	81	19.18	76.5	18.07	72	17.02	69.3	16.51	66.9	16.00	62.4	14.95
	13	11.8	81	18.26	76.5	17.24	72	16.19	69.3	15.71	66.9	15.20	62.4	14.28
	15	13.7	81	17.37	76.5	16.44	72	15.46	69.3	15.01	66.9	14.54	62.4	13.65
	-19.8	-20	60.9	31.62	57.3	29.42	54	21.85	51.9	26.30	50.1	25.29	46.8	23.28
	-18.8	-19	60.9	30.88	57.3	28.79	54	21.44	51.9	25.76	50.1	24.78	46.8	22.84
	-16.7	-17	60.9	29.52	57.3	27.51	54	20.45	51.9	24.62	50.1	23.73	46.8	21.88
	-13.7	-15	60.9	28.09	57.3	26.21	54	19.50	51.9	23.47	50.1	22.61	46.8	20.90
	-11.8	-13	60.9	26.69	57.3	24.91	54	18.54	51.9	22.33	50.1	21.50	46.8	19.88
	-9.8	-11	60.9	25.25	57.3	23.63	54	17.59	51.9	21.18	50.1	20.42	46.8	18.93
	-9.5	-10	60.9	24.59	57.3	22.93	54	17.14	51.9	20.64	50.1	19.88	46.8	18.38
	-8.5	-9.1	60.9	23.95	57.3	22.42	54	16.70	51.9	20.17	50.1	19.43	46.8	17.97
	-7	-7.6	60.9	22.93	57.3	21.50	54	16.03	51.9	19.34	50.1	18.67	46.8	17.30
	-5	-5.6	60.9	21.66	57.3	20.32	54	15.17	51.9	18.35	50.1	17.68	46.8	16.38
	-3	-3.7	60.9	20.52	57.3	19.24	54	14.38	51.9	17.40	50.1	16.76	46.8	15.55
	0	-0.7	60.9	18.83	57.3	17.68	54	13.26	51.9	16.00	50.1	15.46	46.8	14.38
20%	3	2.2	60.9	17.33	57.3	16.29	54	12.21	51.9	14.76	50.1	14.28	46.8	13.33
	5	4.1	60.9	16.44	57.3	15.46	54	11.61	51.9	14.03	50.1	13.61	46.8	12.66
	7	6	60.9	15.62	57.3	14.69	54	11.04	51.9	13.36	50.1	12.95	46.8	12.09
	9	7.9	60.9	14.79	57.3	14.00	54	10.50	51.9	12.75	50.1	12.31	46.8	11.48
	11	9.8	60.9	14.09	57.3	13.26	54	9.99	51.9	12.12	50.1	11.74	46.8	10.97
	13	11.8	60.9	13.42	57.3	12.66	54	9.51	51.9	11.55	50.1	11.16	46.8	10.50
	15	13.7	60.9	12.75	57.3	12.09	54	9.10	51.9	11.01	50.1	10.69	46.8	10.02
	-19.8	-20	40.5	20.39	38.4	18.99	36	17.62	34.5	16.95	33.6	16.32	31.2	15.01
	-18.8	-19	40.5	19.94	38.4	18.58	36	17.27	34.5	16.64	33.6	15.97	31.2	14.76
	-16.7	-17	40.5	19.05	38.4	17.75	36	16.51	34.5	15.87	33.6	15.30	31.2	14.12
	-13.7	-15	40.5	18.10	38.4	16.92	36	15.74	34.5	15.14	33.6	14.60	31.2	13.49
	-11.8	-13	40.5	17.21	38.4	16.06	36	14.95	34.5	14.41	33.6	13.87	31.2	12.82
	-9.8	-11	40.5	16.29	38.4	15.24	36	14.19	34.5	13.65	33.6	13.17	31.2	12.21
	-9.5	-10	40.5	15.84	38.4	14.79	36	13.80	34.5	13.33	33.6	12.82	31.2	11.86
	-8.5	-9.1	40.5	15.46	38.4	14.47	36	13.49	34.5	13.01	33.6	12.56	31.2	11.58
	-7	-7.6	40.5	14.79	38.4	13.87	36	12.91	34.5	12.50	33.6	12.05	31.2	11.16
	-5	-5.6	40.5	13.96	38.4	13.10	36	12.25	34.5	11.83	33.6	11.42	31.2	10.56
	-3	-3.7	40.5	13.23	38.4	12.44	36	11.58	34.5	11.23	33.6	10.81	31.2	10.05
	0	-0.7	40.5	12.15	38.4	11.42	36	10.69	34.5	10.34	33.6	9.99	31.2	9.29
	3	2.2	40.5	11.20	38.4	10.50	36	9.86	34.5	9.51	33.6	9.22	31.2	8.59
	5	4.1	40.5	10.59	38.4	9.99	36	9.35	34.5	9.07	33.6	8.78	31.2	8.17
	7	6	40.5	10.08	38.4	9.48	36	8.91	34.5	8.62	33.6	8.33	31.2	7.79
	9	7.9	40.5	9.54	38.4	9.03	36	8.46	34.5	8.21	33.6	7.95	31.2	7.41
	11	9.8	40.5	9.10	38.4	8.56	36	8.08	34.5	7.82	33.6	7.57	31.2	7.09
	13	11.8	40.5	8.65	38.4	8.17	36	7.67	34.5	7.44	33.6	7.19	31.2	6.77
	15	13.7	40.5	8.21	38.4	7.79	36	7.32	34.5	7.09	33.6	6.95	31.2	6.46

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR680ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-19.8	-20	136	40.93	135.3	43.84	134.8	46.78	134.8	48.2	134	49.6	134	52.53
	-18.8	-19	138.1	41.86	137.3	44.71	137.3	47.62	136.5	49.05	136.5	50.35	136	53.29
	-16.7	-17	143.3	43.84	142.8	46.57	142	49.34	142	50.64	142	52.07	141.2	54.8
	-13.7	-15	149.5	45.85	148.7	48.46	147.9	51.11	147.9	52.45	147.4	53.76	147.4	56.4
	-11.8	-13	155.4	47.91	155.4	50.44	154.6	52.91	154.1	54.22	154.1	55.56	153.3	58
	-9.8	-11	162.6	49.98	162.1	52.45	161.3	54.8	161.3	56.02	161.3	57.24	160.8	59.69
	-9.5	-10	166.7	51.11	165.9	53.38	165.4	55.73	165.4	56.95	164.6	58.09	164.6	60.44
	-8.5	-9.1	170.1	51.95	169.3	54.22	169.3	56.58	168.8	57.71	168.8	58.84	168	61.2
	-7	-7.6	176	53.46	176	55.73	175.2	57.91	175.2	59.05	174.7	60.06	173.9	62.33
	-5	-5.6	185.3	55.56	184.8	57.62	184	59.69	184	60.82	183.2	61.78	183.2	63.84
	-3	-3.7	194	57.33	193.2	59.31	193.2	61.31	192.7	62.33	192.7	63.38	191.9	65.27
	0	-0.7	209.2	60.06	209.2	61.95	208.7	63.76	208.7	64.51	207.9	65.65	207.9	67.54
	3	2.2	226	62.62	225.2	64.31	224.7	66.02	224.7	66.87	224.7	67.8	223.9	69.43
	5	4.1	237.3	64.13	236.8	65.82	236.8	67.42	236	68.29	236	69.05	235.2	70.65
	7	6	249.4	65.73	248.6	67.16	248.6	68.76	247.8	69.51	247.8	70.27	238.1	72.54
	9	7.9	262	67.04	261.3	68.55	261.3	69.98	260.8	70.73	255.4	69.22	238.1	74.38
	11	9.8	275.5	68.38	274.7	69.77	273.4	70.65	264.1	67.91	255.4	65.06	238.1	76.19
	13	11.8	289.8	69.69	289.4	71.02	273.4	66.2	264.1	63.55	255.4	61.11	238.1	78.02
	15	13.7	304	70.91	290.6	72.25	273.4	62.33	264.1	59.98	255.4	57.54	238.1	80.01
120%	-19.8	-20	135.3	44.89	134.8	47.53	134	50.27	134	51.49	134	52.91	133.2	55.56
	-18.8	-19	137.3	45.73	136.5	48.38	136.5	51.02	136.1	52.24	136.1	53.67	135.3	56.31
	-16.7	-17	142.8	47.53	142	50.09	141.1	52.53	141.2	53.84	141.2	55.18	140.7	57.62
	-13.7	-15	148.7	49.42	147.9	51.87	147.4	54.22	147.4	55.56	147.4	56.69	146.6	59.13
	-11.8	-13	154.6	51.31	154.6	53.67	154.1	55.94	154.1	57.16	153.3	58.29	153.3	60.65
	-9.8	-11	162.1	53.29	161.3	55.44	161.3	57.71	160.8	58.84	160.8	59.89	160	62.16
	-9.5	-10	165.9	54.22	165.4	56.4	164.6	58.55	164.6	59.69	164.6	60.73	164.2	62.91
	-8.5	-9.1	169.3	55.06	168.8	57.16	168.8	59.31	168	60.35	168	61.49	167.2	63.55
	-7	-7.6	175.2	56.49	175.2	58.55	174.7	60.56	174.7	61.58	173.9	62.62	173.9	64.6
	-5	-5.6	184.8	58.29	184	60.27	183.2	62.24	183.2	63.17	183.2	64.22	182.7	66.02
	-3	-3.7	193.2	60.06	193.2	61.95	192.7	63.76	192.7	64.6	192	65.65	192	67.42
	0	-0.7	208.7	62.62	208.7	64.31	207.9	66.02	207.9	66.87	207.4	67.71	207.4	69.43
	3	2.2	225.2	64.98	224.7	66.49	224.7	68.09	223.9	68.93	223.9	69.69	219.3	71.31
	5	4.1	236.8	66.4	236	67.91	236	69.43	235.2	70.15	235.2	70.91	219.3	73.06
	7	6	248.6	67.71	248.6	69.14	248.2	70.53	244	69.6	236	66.78	219.3	74.82
	9	7.9	261.3	69.05	260.8	70.44	252	68.09	244	65.36	236	62.71	219.3	76.62
	11	9.8	274.7	70.27	268	69.05	252	64.05	244	61.58	236	59.05	219.3	78.41
	13	11.8	284.7	69.6	268	64.8	252	60.06	244	57.83	236	55.56	219.3	80.21
	15	13.7	284.7	65.56	268	61.02	252	56.69	244	54.42	236	52.33	219.3	82.02
110%	-19.8	-20	134.8	48.84	134	51.2	133.2	53.67	133.2	54.89	133.5	56.11	132.7	58.55
	-18.8	-19	136.5	49.6	136.1	51.95	136.1	54.42	136.1	55.56	135.3	56.78	135.3	59.22
	-16.7	-17	142	51.2	141.2	53.58	143.3	55.94	140.7	57.07	140.7	58.17	139.9	60.44
	-13.7	-15	147.9	53	147.4	55.18	146.6	57.45	146.6	58.55	146.6	59.69	146.1	61.87
	-11.8	-13	154.1	54.8	154.1	56.87	153.3	58.93	153.3	60.06	152.8	61.11	152.8	63.29
	-9.8	-11	161.3	56.49	160.8	58.55	160.8	60.56	160	61.58	160	62.62	160	64.6
	-9.5	-10	165.4	57.45	164.6	59.31	163.8	61.4	163.8	62.33	163.8	63.38	163.4	65.36
	-8.5	-9.1	168.8	58.17	168	60.06	168	62.04	167.2	63.09	167.2	64.05	167.2	66.02
	-7	-7.6	174.7	59.51	174.7	61.31	173.9	63.17	173.9	64.13	173.9	65.06	173.4	66.95
	-5	-5.6	184	61.2	183.2	63	182.7	64.69	182.7	65.65	182.7	66.49	181.9	68.38
	-3	-3.7	192.7	62.71	192.7	64.43	192	66.11	192	66.95	191.5	67.8	191.5	69.51
	0	-0.7	207.9	65.06	207.9	66.66	207.4	68.29	207.4	69.05	207.4	69.77	201.2	71.37
	3	2.2	224.7	67.25	223.9	68.67	223.9	70.15	223.4	70.82	215.9	67.91	201.2	73.18
	5	4.1	236	68.55	236	69.98	231.4	69.31	223.4	66.49	215.9	63.84	201.2	75.01
	7	6	247.8	69.77	246.1	70.27	231.4	65.06	223.4	62.54	215.9	60.06	201.2	76.84
	9	7.9	260.8	70.91	246.1	66.02	231.4	61.2	223.4	58.84	215.9	56.49	201.2	78.67
	11	9.8	260.8	66.78	246.1	62.16	231.4	57.62	223.4	55.44	215.9	53.29	201.2	80.51
	13	11.8	260.8	62.62	246.1	58.29	231.4	54.13	223.4	52.16	215.9	50.09	201.2	82.34
	15	13.7	260.8	55.56	246.1	54.98	231.4	51.11	223.4	49.22	215.9	47.33	201.2	84.17

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	134	52.71	133.2	54.89	133.2	57.16	132.7	58.29	132.7	59.31	131.9	61.58
	-18.8	-19	136.1	53.38	136.1	55.56	135.3	57.83	135.3	58.93	134.8	60.06	134.8	62.24
	-16.7	-17	141.2	54.89	140.7	57.07	140.7	59.13	139.9	60.18	139.9	61.2	139.9	63.38
	-13.7	-15	147.4	56.49	146.6	58.55	146.1	60.56	146.1	61.58	146.1	62.62	145.3	64.6
	-11.8	-13	153.3	58.17	153.3	60.06	152.8	61.95	152.8	63	152.8	63.93	152	65.91
	-9.8	-11	160.8	59.69	160	61.58	160	63.47	160	64.43	159.2	65.27	159.2	67.16
	-9.5	-10	164.6	60.56	164.2	62.33	164.2	64.13	163.4	65.06	163.4	66.02	162.6	67.8
	-8.5	-9.1	168	61.2	167.2	63.09	167.2	64.8	167.2	65.65	166.7	66.58	166.7	68.29
	-7	-7.6	173.9	62.42	173.9	64.13	173.4	65.82	173.4	66.78	173.4	67.54	172.6	69.31
	-5	-5.6	183.2	64.05	182.7	65.65	182.7	67.25	181.9	68	181.9	68.84	181.4	70.53
	-3	-3.7	192	65.44	192	67.02	191.5	68.55	191.5	69.31	191.5	70.06	183.2	67.16
	0	-0.7	207.4	67.54	207.4	69.05	206.6	70.44	203.3	69.31	196.6	66.4	183.2	60.94
	3	2.2	223.9	69.51	223.4	70.82	210	65.56	203.3	63	196.6	60.44	183.2	55.56
	5	4.1	235.2	70.82	223.4	66.49	210	61.58	203.3	59.31	196.6	56.95	183.2	52.33
	7	6	236.8	67.16	223.4	62.54	210	58	203.3	55.82	196.6	53.67	183.2	49.34
	9	7.9	236.8	63.09	223.4	58.84	210	54.6	203.3	51.87	196.6	50.56	183.2	46.57
	11	9.8	236.8	59.42	223.4	55.44	210	51.49	203.3	49.6	196.6	47.71	183.2	43.96
90%	13	11.8	236.8	55.82	223.4	52.16	210	48.46	203.3	46.69	196.6	44.98	183.2	41.49
	15	13.7	236.8	52.62	223.4	49.22	210	45.85	203.3	44.13	196.6	42.45	183.2	39.34
	-19.8	-20	133.1	56.69	132.3	58.55	132.3	60.65	131.8	61.58	131.8	62.62	131.8	64.6
	-18.8	-19	135.2	57.24	135.2	59.31	134.4	61.2	134.4	62.24	134.4	63.17	133.9	65.18
	-16.7	-17	140.3	58.67	139.8	60.56	139.8	62.42	139.8	63.38	139	64.31	139	66.2
	-13.7	-15	146.5	60.06	145.7	61.95	145.7	63.76	144.9	64.6	144.9	65.56	144.9	67.33
	-11.8	-13	152.4	61.58	152.4	63.29	151.7	64.98	151.7	65.91	151.7	66.78	151.2	68.47
	-9.8	-11	159.6	63	159.6	64.6	159.1	66.29	159.1	67.16	159.1	68	158.3	69.69
	-9.5	-10	163.8	63.76	163	65.36	163	66.95	162.5	67.8	162.5	68.67	162.5	70.15
	-8.5	-9.1	167.1	64.43	167.1	66.02	166.3	67.54	166.3	68.29	166.3	69.14	164.3	69.77
	-7	-7.6	173	65.44	173	66.95	172.2	68.55	172.2	69.31	172.2	70.06	164.3	66.66
	-5	-5.6	182.3	66.87	181.8	68.29	181.8	69.77	181	70.53	176.4	68.29	164.3	62.62
	-3	-3.7	191.1	68.18	191.1	69.51	189	69.77	182.3	67.04	176.4	64.31	164.3	59.05
	0	-0.7	207	70.15	201.1	68.38	189	63.38	182.3	60.82	176.4	58.46	164.3	53.67
	3	2.2	212.9	66.78	201.1	62.24	189	57.71	182.3	55.56	176.4	53.29	164.3	49.13
	5	4.1	212.9	62.8	201.1	58.55	189	54.42	182.3	52.24	176.4	50.35	164.3	46.31
	7	6	212.9	59.05	201.1	55.18	189	51.2	182.3	49.34	176.4	47.45	164.3	43.75
80%	9	7.9	212.9	55.65	201.1	51.87	189	48.29	182.3	46.57	176.4	44.8	164.3	41.4
	11	9.8	212.9	52.45	201.1	48.96	189	45.64	182.3	43.96	176.4	42.36	164.3	39.13
	13	11.8	212.9	49.34	201.1	46.23	189	43	182.3	41.49	176.4	39.97	164.3	36.98
	15	13.7	212.9	46.57	201.1	43.58	189	40.73	182.3	39.34	176.4	37.91	164.3	35.09
	-19.8	-20	132.7	60.56	131.9	62.33	131.9	64.13	131.9	64.98	131.4	65.91	131.4	67.62
	-18.8	-19	134.8	61.11	134.8	62.91	134	64.6	134	65.56	134	66.4	133.2	68.18
	-16.7	-17	139.9	62.33	139.4	64.05	139.4	65.73	139.4	66.58	139.4	67.42	138.6	69.05
	-13.7	-15	146.1	63.67	145.3	65.27	145.3	66.87	145.3	67.62	144.5	68.47	144.5	70.15
	-11.8	-13	152	64.89	152	66.49	151.2	68	151.2	68.76	151.2	69.6	146.6	67.71
	-9.8	-11	159.2	66.2	159.2	67.71	158.7	69.22	158.7	69.89	157.5	69.77	146.6	63.93
	-9.5	-10	163.4	66.87	162.6	68.29	162.6	69.77	162.6	70.53	157.5	67.71	146.6	62.04
	-8.5	-9.1	166.7	67.54	155	68.93	165.9	70.27	162.6	68.67	157.5	65.91	146.6	60.44
	-7	-7.6	172.6	68.47	172.6	69.77	168	68.29	162.6	65.65	157.5	63	146.6	57.83
	-5	-5.6	181.9	69.69	178.5	69.31	168	64.13	162.6	61.69	157.5	59.22	146.6	54.42
	-3	-3.7	189.4	70.06	178.5	65.27	168	60.44	162.6	58.17	157.5	55.82	146.6	51.4
	0	-0.7	189.4	63.55	178.5	59.22	168	54.98	162.6	52.91	157.5	50.82	146.6	46.86
	3	2.2	189.4	57.91	178.5	54.05	168	50.27	162.6	48.38	157.5	46.57	146.6	42.91
	5	4.1	189.4	54.51	178.5	50.94	168	47.33	162.6	45.64	157.5	43.96	146.6	40.56
	7	6	189.4	51.4	178.5	48.09	168	44.71	162.6	43.2	157.5	41.6	146.6	38.38
	9	7.9	189.4	48.46	178.5	45.35	168	42.24	162.6	40.73	157.5	39.34	146.6	36.4
	11	9.8	189.4	45.85	178.5	42.82	168	39.97	162.6	38.58	157.5	37.24	146.6	34.51
	13	11.8	189.4	43.2	178.5	40.47	168	37.82	162.6	36.49	157.5	35.18	146.6	32.62
	15	13.7	189.4	40.85	178.5	38.38	168	35.85	162.6	34.63	157.5	33.38	146.6	31.02

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

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Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.8	-20	131.8	64.51	131	66.02	131	67.54	131	68.29	131	69.14	127.7	68.38
	-18.8	-19	133.6	64.98	133.6	66.49	133.1	68	133.1	68.76	133.1	69.6	127.7	66.95
	-16.7	-17	139	66.02	139	67.54	138.2	69.05	138.2	69.77	137	70.6	127.7	63.84
	-13.7	-15	144.9	67.16	144.4	68.67	144.4	70.06	141.6	70.6	137	71.5	127.7	60.73
	-11.8	-13	150.8	68.29	150.8	69.69	147	71.5	141.6	72.4	137	73.3	127.7	57.54
	-9.8	-11	158.3	69.43	156.3	70.83	147	72.4	141.6	73.3	137	74.2	127.7	54.42
	-9.5	-10	162.2	70.06	156.3	71.46	147	73.3	141.6	74.2	137	75.1	127.7	52.91
	-8.5	-9.1	165.5	70.44	156.3	71.84	147	73.7	141.6	74.6	137	75.5	127.7	51.57
	-7	-7.6	165.5	70.82	156.3	72.22	147	74.1	141.6	75.0	137	76.4	127.7	49.42
	-5	-5.6	165.5	71.2	156.3	72.6	147	74.5	141.6	75.4	137	76.8	127.7	46.57
	-3	-3.7	165.5	71.58	156.3	72.96	147	74.9	141.6	75.8	137	77.2	127.7	44.05
	0	-0.7	165.5	71.94	156.3	73.32	147	75.3	141.6	76.2	137	77.6	127.7	40.35
	3	2.2	165.5	72.3	156.3	73.7	147	75.7	141.6	76.6	137	78.0	127.7	37.07
	5	4.1	165.5	72.66	156.3	74.06	147	76.1	141.6	77.0	137	78.4	127.7	35.09
	7	6	165.5	73.02	156.3	74.42	147	76.5	141.6	77.4	137	78.8	127.7	33.29
	9	7.9	165.5	73.38	156.3	74.78	147	76.9	141.6	77.8	137	79.2	127.7	31.6
	11	9.8	165.5	73.74	156.3	75.14	147	77.3	141.6	78.2	137	79.6	127.7	30
60%	13	11.8	165.5	74.1	156.3	75.5	147	77.7	141.6	78.6	137	80.0	127.7	28.49
	15	13.7	165.5	74.46	156.3	75.86	147	78.1	141.6	79.0	137	80.4	127.7	27.15
	-19.8	-20	131.4	68.38	130.6	69.69	126	70.04	122.2	70.7	118	71.4	110	56.69
	-18.8	-19	133.2	68.84	133.2	70.15	126	70.7	122.2	71.4	118	72.1	110	55.56
	-16.7	-17	138.6	69.77	134	71.46	126	71.4	122.2	72.1	118	72.8	110	53.09
	-13.7	-15	142	70.82	134	72.6	126	72.1	122.2	72.8	118	73.5	110	50.56
	-11.8	-13	142	71.58	134	73.32	126	72.8	122.2	73.5	118	74.2	110	48.29
	-9.8	-11	142	72.3	134	74.06	126	73.5	122.2	74.2	118	74.9	110	45.56
	-9.5	-10	142	72.66	134	74.42	126	73.9	122.2	74.6	118	75.3	110	44.34
	-8.5	-9.1	142	73.02	134	74.78	126	74.3	122.2	75.0	118	75.7	110	43.2
	-7	-7.6	142	73.38	134	75.14	126	74.7	122.2	75.4	118	76.1	110	41.49
	-5	-5.6	142	73.74	134	75.5	126	75.1	122.2	75.8	118	76.5	110	39.22
	-3	-3.7	142	74.1	134	75.86	126	75.5	122.2	76.2	118	76.9	110	37.15
	0	-0.7	142	74.46	134	76.22	126	75.9	122.2	76.6	118	77.3	110	34.13
	3	2.2	142	74.82	134	76.58	126	76.3	122.2	77.0	118	77.7	110	31.49
	5	4.1	142	75.18	134	76.94	126	76.7	122.2	77.4	118	78.1	110	29.89
	7	6	142	75.54	134	77.3	126	77.1	122.2	77.8	118	78.5	110	28.37
50%	9	7.9	142	75.9	134	77.66	126	77.5	122.2	78.2	118	78.9	110	27.07
	11	9.8	142	76.26	134	78.02	126	77.9	122.2	78.6	118	79.3	110	25.76
	13	11.8	142	76.62	134	78.38	126	78.3	122.2	79.0	118	79.7	110	24.51
	15	13.7	142	76.98	134	78.74	126	78.7	122.2	79.4	118	80.1	110	23.37
	-19.8	-20	118.4	62.24	111.7	57.91	105	53.76	101.2	51.78	97.8	49.8	91.1	45.85
	-18.8	-19	118.4	60.82	111.7	56.69	105	52.71	101.2	50.73	97.8	48.75	91.1	44.98
	-16.7	-17	118.4	58.09	111.7	54.13	105	50.35	101.2	48.46	97.8	46.69	91.1	43.09
	-13.7	-15	118.4	55.27	111.7	51.57	105	48	101.2	46.23	97.8	44.51	91.1	41.11
	-11.8	-13	118.4	52.53	111.7	49.05	105	45.64	101.2	43.96	97.8	42.36	91.1	39.13
	-9.8	-11	118.4	49.71	111.7	46.49	105	43.29	101.2	41.69	97.8	40.18	91.1	37.24
	-9.5	-10	118.4	48.38	111.7	45.18	105	42.16	101.2	40.64	97.8	39.13	91.1	36.22
	-8.5	-9.1	118.4	47.16	111.7	44.13	105	41.11	101.2	39.71	97.8	38.29	91.1	35.35
	-7	-7.6	118.4	45.18	111.7	42.36	105	39.42	101.2	38.11	97.8	36.78	91.1	34.04
	-5	-5.6	118.4	42.62	111.7	39.97	105	37.36	101.2	36.11	97.8	34.8	91.1	32.24
	-3	-3.7	118.4	40.35	111.7	37.91	105	35.35	101.2	34.25	97.8	33	91.1	30.64
	0	-0.7	118.4	37.07	111.7	34.8	105	32.62	101.2	31.49	97.8	30.47	91.1	28.29
	3	2.2	118.4	34.13	111.7	32.07	105	30.09	101.2	29.04	97.8	28.11	91.1	26.22
	5	4.1	118.4	32.36	111.7	30.47	105	28.58	101.2	27.62	97.8	26.78	91.1	24.89
	7	6	118.4	30.76	111.7	28.96	105	27.15	101.2	26.31	97.8	25.47	91.1	23.75
	9	7.9	118.4	29.13	111.7	27.53	105	25.85	101.2	25.09	97.8	24.25	91.1	22.65
	11	9.8	118.4	27.74	111.7	26.14	105	24.62	101.2	23.87	97.8	23.11	91.1	21.6
	13	11.8	118.4	26.4	111.7	24.89	105	23.37	101.2	22.74	97.8	21.98	91.1	20.64
	15	13.7	118.4	25.09	111.7	23.75	105	22.36	101.2	21.69	97.8	21.02	91.1	19.71

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	94.5	47.32	89.4	44.01	84	40.85	80.7	39.34	78.1	37.83	72.7	34.84
	-18.8	-19	94.5	46.23	89.4	43.08	84	40.06	80.7	38.55	78.1	37.07	72.7	34.18
	-16.7	-17	94.5	44.17	89.4	41.14	84	38.28	80.7	36.85	78.1	35.47	72.7	32.74
	-13.7	-15	94.5	41.99	89.4	39.21	84	36.48	80.7	35.13	78.1	33.83	72.7	31.26
	-11.8	-13	94.5	39.93	89.4	37.28	84	34.68	80.7	33.41	78.1	32.19	72.7	29.75
	-9.8	-11	94.5	37.78	89.4	35.34	84	32.91	80.7	31.69	78.1	30.52	72.7	28.32
	-9.5	-10	94.5	36.77	89.4	34.34	84	32.03	80.7	30.89	78.1	29.75	72.7	27.53
	-8.5	-9.1	94.5	35.85	89.4	33.54	84	31.26	80.7	30.18	78.1	29.09	72.7	26.89
	-7	-7.6	94.5	34.34	89.4	32.19	84	29.96	80.7	28.96	78.1	27.95	72.7	25.89
	-5	-5.6	94.5	32.4	89.4	30.39	84	28.37	80.7	27.45	78.1	26.44	72.7	24.51
	-3	-3.7	94.5	30.68	89.4	28.83	84	26.89	80.7	26.02	78.1	25.09	72.7	23.29
	0	-0.7	94.5	28.16	89.4	26.44	84	24.8	80.7	23.95	78.1	23.16	72.7	21.51
	3	2.2	94.5	25.94	89.4	24.37	84	22.86	80.7	22.07	78.1	21.35	72.7	19.92
	5	4.1	94.5	24.59	89.4	23.16	84	21.73	80.7	21.01	78.1	20.35	72.7	18.92
	7	6	94.5	23.37	89.4	22.02	84	20.64	80.7	20	78.1	19.34	72.7	18.07
30%	9	7.9	94.5	22.15	89.4	20.93	84	19.63	80.7	19.08	78.1	18.41	72.7	17.19
	11	9.8	94.5	21.06	89.4	19.84	84	18.7	80.7	18.12	78.1	17.57	72.7	16.43
	13	11.8	94.5	20.08	89.4	18.92	84	17.78	80.7	17.27	78.1	16.69	72.7	15.68
	15	13.7	94.5	19.08	89.4	18.07	84	16.98	80.7	16.48	78.1	15.97	72.7	14.97
	-19.8	-20	71	34.72	66.8	32.32	63	24	60.5	28.88	58.7	27.78	54.6	25.59
	-18.8	-19	71	33.95	66.8	31.64	63	23.54	60.5	28.32	58.7	27.2	54.6	25.09
	-16.7	-17	71	32.41	66.8	30.22	63	22.48	60.5	27.06	58.7	26.06	54.6	24.04
	-13.7	-15	71	30.85	66.8	28.79	63	21.43	60.5	25.8	58.7	24.84	54.6	22.95
	-11.8	-13	71	29.3	66.8	27.36	63	20.38	60.5	24.51	58.7	23.62	54.6	21.85
	-9.8	-11	71	27.74	66.8	25.94	63	19.33	60.5	23.25	58.7	22.41	54.6	20.8
	-9.5	-10	71	26.99	66.8	25.21	63	18.83	60.5	22.69	58.7	21.85	54.6	20.21
	-8.5	-9.1	71	26.31	66.8	24.63	63	18.36	60.5	22.15	58.7	21.35	54.6	19.75
	-7	-7.6	71	25.21	66.8	23.62	63	17.61	60.5	21.26	58.7	20.51	54.6	19
	-5	-5.6	71	23.79	66.8	22.32	63	16.68	60.5	20.17	58.7	19.42	54.6	17.99
	-3	-3.7	71	22.53	66.8	21.14	63	15.8	60.5	19.12	58.7	18.41	54.6	17.1
	0	-0.7	71	20.68	66.8	19.42	63	14.58	60.5	17.57	58.7	16.98	54.6	15.8
20%	3	2.2	71	19.04	66.8	17.9	63	13.44	60.5	16.22	58.7	15.68	54.6	14.63
	5	4.1	71	18.04	66.8	16.98	63	12.77	60.5	15.42	58.7	14.96	54.6	13.91
	7	6	71	17.15	66.8	16.14	63	12.11	60.5	14.67	58.7	14.21	54.6	13.28
	9	7.9	71	16.26	66.8	15.38	63	11.52	60.5	14	58.7	13.53	54.6	12.64
	11	9.8	71	15.47	66.8	14.58	63	10.97	60.5	13.32	58.7	12.9	54.6	12.06
	13	11.8	71	14.75	66.8	13.91	63	10.43	60.5	12.69	58.7	12.27	54.6	11.52
	15	13.7	71	14	66.8	13.28	63	9.97	60.5	12.1	58.7	11.73	54.6	11.01
	-19.8	-20	47.4	22.4	44.6	20.85	42	19.34	40.3	18.62	39.1	17.94	36.5	16.51
	-18.8	-19	47.4	21.9	44.6	20.39	42	18.99	40.3	18.28	39.1	17.56	36.5	16.19
	-16.7	-17	47.4	20.93	44.6	19.5	42	18.12	40.3	17.44	39.1	16.81	36.5	15.51
	-13.7	-15	47.4	19.88	44.6	18.58	42	17.28	40.3	16.64	39.1	16.02	36.5	14.8
	-11.8	-13	47.4	18.91	44.6	17.65	42	16.43	40.3	15.81	39.1	15.25	36.5	14.08
	-9.8	-11	47.4	17.9	44.6	16.73	42	15.59	40.3	15	39.1	14.46	36.5	13.41
	-9.5	-10	47.4	17.4	44.6	16.26	42	15.17	40.3	14.63	39.1	14.08	36.5	13.03
	-8.5	-9.1	47.4	16.98	44.6	15.89	42	14.8	40.3	14.29	39.1	13.79	36.5	12.73
	-7	-7.6	47.4	16.26	44.6	15.25	42	14.2	40.3	13.71	39.1	13.24	36.5	12.27
	-5	-5.6	47.4	15.34	44.6	14.41	42	13.45	40.3	12.99	39.1	12.53	36.5	11.6
	-3	-3.7	47.4	14.54	44.6	13.66	42	12.73	40.3	12.32	39.1	11.89	36.5	11.05
	0	-0.7	47.4	13.33	44.6	12.53	42	11.76	40.3	11.35	39.1	10.97	36.5	10.18
	3	2.2	47.4	12.28	44.6	11.55	42	10.84	40.3	10.46	39.1	10.13	36.5	9.45
	5	4.1	47.4	11.64	44.6	10.97	42	10.29	40.3	9.96	39.1	9.63	36.5	8.96
	7	6	47.4	11.06	44.6	10.42	42	9.79	40.3	9.46	39.1	9.16	36.5	8.57
	9	7.9	47.4	10.5	44.6	9.92	42	9.29	40.3	9.03	39.1	8.74	36.5	8.15
	11	9.8	47.4	9.97	44.6	9.41	42	8.87	40.3	8.58	39.1	8.32	36.5	7.78
	13	11.8	47.4	9.5	44.6	8.96	42	8.41	40.3	8.19	39.1	7.9	36.5	7.44
	15	13.7	47.4	9.03	44.6	8.57	42	8.03	40.3	7.81	39.1	7.51	36.5	7.1

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR700ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	136	41.64	135.3	44.60	134.8	47.59	134.8	49.03	134	50.46	134	53.44
	-18.8	-19	138.1	42.58	137.3	45.48	137.3	48.44	136.5	49.90	136.5	51.22	136	54.21
	-16.7	-17	143.3	44.60	142.8	47.37	142	50.19	142	51.51	142	52.97	141.2	55.74
	-13.7	-15	149.5	46.64	148.7	49.30	147.9	51.99	147.9	53.35	147.4	54.69	147.4	57.37
	-11.8	-13	155.4	48.74	155.4	51.31	154.6	53.82	154.1	55.15	154.1	56.52	153.3	59.00
	-9.8	-11	162.6	50.84	162.1	53.35	161.3	55.74	161.3	56.99	161.3	58.23	160.8	60.72
	-9.5	-10	166.7	51.99	165.9	54.30	165.4	56.69	165.4	57.93	164.6	59.09	164.6	61.48
	-8.5	-9.1	170.1	52.85	169.3	55.15	169.3	57.56	168.8	58.71	168.8	59.85	168	62.26
	-7	-7.6	176	54.38	176	56.69	175.2	58.91	175.2	60.07	174.7	61.10	173.9	63.40
	-5	-5.6	185.3	56.52	184.8	58.61	184	60.72	184	61.87	183.2	62.85	183.2	64.94
	-3	-3.7	194	58.32	193.2	60.33	193.2	62.37	192.7	63.40	192.7	64.47	191.9	66.40
	0	-0.7	209.2	61.10	209.2	63.02	208.7	64.86	208.7	65.62	207.9	66.78	207.9	68.70
	3	2.2	226	63.70	225.2	65.42	224.7	67.16	224.7	68.02	224.7	68.97	223.9	70.63
	5	4.1	237.3	65.24	236.8	66.95	236.8	68.58	236	69.47	236	70.24	235.2	71.87
	7	6	249.4	66.86	248.6	68.32	248.6	69.95	247.8	70.71	247.8	71.48	238.1	68.70
	9	7.9	262	68.20	261.3	69.73	261.3	71.19	260.8	71.95	255.4	70.41	238.1	64.47
	11	9.8	275.5	69.56	274.7	70.97	273.4	71.87	264.1	69.08	255.4	66.18	238.1	60.72
	13	11.8	289.8	70.89	289.4	72.24	273.4	67.34	264.1	64.65	255.4	62.16	238.1	56.99
	15	13.7	304	72.13	290.6	68.41	273.4	63.40	264.1	61.01	255.4	58.53	238.1	53.82
120%	-19.8	-20	135.3	45.66	134.8	48.35	134	51.14	134	52.38	134	53.82	133.2	56.52
	-18.8	-19	137.3	46.52	136.5	49.21	136.5	51.90	136.1	53.14	136.1	54.60	135.3	57.28
	-16.7	-17	142.8	48.35	142	50.95	141.1	53.44	141.2	54.77	141.2	56.13	140.7	58.61
	-13.7	-15	148.7	50.27	147.9	52.76	147.4	55.15	147.4	56.52	147.4	57.67	146.6	60.15
	-11.8	-13	154.6	52.19	154.6	54.60	154.1	56.90	154.1	58.15	153.3	59.29	153.3	61.70
	-9.8	-11	162.1	54.21	161.3	56.40	161.3	58.71	160.8	59.85	160.8	60.92	160	63.23
	-9.5	-10	165.9	55.15	165.4	57.37	164.6	59.56	164.6	60.72	164.6	61.78	164.2	63.99
	-8.5	-9.1	169.3	56.01	168.8	58.15	168.8	60.33	168	61.39	168	62.55	167.2	64.65
	-7	-7.6	175.2	57.46	175.2	59.56	174.7	61.60	174.7	62.64	173.9	63.70	173.9	65.71
	-5	-5.6	184.8	59.29	184	61.31	183.2	63.31	183.2	64.26	183.2	65.33	182.7	67.16
	-3	-3.7	193.2	61.10	193.2	63.02	192.7	64.86	192.7	65.71	192	66.78	192	68.58
	0	-0.7	208.7	63.70	208.7	65.42	207.9	67.16	207.9	68.02	207.4	68.88	207.4	70.63
	3	2.2	225.2	66.10	224.7	67.64	224.7	69.26	223.9	70.12	223.9	70.89	219.3	70.51
	5	4.1	236.8	67.54	236	69.08	236	70.63	235.2	71.36	235.2	72.13	219.3	66.18
	7	6	248.6	68.88	248.6	70.33	248.2	71.75	244	70.80	236	67.93	219.3	62.26
	9	7.9	261.3	70.24	260.8	71.65	252	69.26	244	66.49	236	63.79	219.3	58.61
	11	9.8	274.7	71.48	268	70.24	252	65.15	244	62.64	236	60.07	219.3	55.25
	13	11.8	284.7	70.80	268	65.92	252	61.10	244	58.83	236	56.52	219.3	51.99
	15	13.7	284.7	66.69	268	62.07	252	57.67	244	55.36	236	53.23	219.3	49.03
110%	-19.8	-20	134.8	49.68	134	52.08	133.2	54.60	133.2	55.84	133.5	57.08	132.7	59.56
	-18.8	-19	136.5	50.46	136.1	52.85	136.1	55.36	136.1	56.52	135.3	57.76	135.3	60.24
	-16.7	-17	142	52.08	141.2	54.50	143.3	56.90	140.7	58.05	140.7	59.17	139.9	61.48
	-13.7	-15	147.9	53.91	147.4	56.13	146.6	58.44	146.6	59.56	146.6	60.72	146.1	62.94
	-11.8	-13	154.1	55.74	154.1	57.85	153.3	59.95	153.3	61.10	152.8	62.16	152.8	64.38
	-9.8	-11	161.3	57.46	160.8	59.56	160.8	61.60	160	62.64	160	63.70	160	65.71
	-9.5	-10	165.4	58.44	164.6	60.33	163.8	62.46	163.8	63.40	163.8	64.47	163.4	66.49
	-8.5	-9.1	168.8	59.17	168	61.10	168	63.11	167.2	64.18	167.2	65.15	167.2	69.39
	-7	-7.6	174.7	60.54	174.7	62.37	173.9	64.26	173.9	65.24	173.9	66.18	173.4	68.10
	-5	-5.6	184	62.26	183.2	64.09	182.7	65.81	182.7	66.78	182.7	67.64	181.9	69.56
	-3	-3.7	192.7	63.79	192.7	65.54	192	67.25	192	68.10	191.5	68.97	191.5	70.71
	0	-0.7	207.9	66.18	207.9	67.81	207.4	69.47	207.4	70.24	207.4	70.97	201.2	69.65
	3	2.2	224.7	68.41	223.9	69.85	223.9	71.36	223.4	72.04	215.9	69.08	201.2	63.40
	5	4.1	236	69.73	236	71.19	231.4	70.51	223.4	67.64	215.9	64.94	201.2	59.56
	7	6	247.8	70.97	246.1	71.48	231.4	66.18	223.4	63.62	215.9	61.10	201.2	56.13
	9	7.9	260.8	72.13	246.1	67.16	231.4	62.26	223.4	59.85	215.9	57.46	201.2	52.85
	11	9.8	260.8	67.93	246.1	63.23	231.4	58.61	223.4	56.40	215.9	54.21	201.2	49.90
	13	11.8	260.8	63.70	246.1	59.29	231.4	55.06	223.4	53.06	215.9	50.95	201.2	47.03
	15	13.7	260.8	56.52	246.1	55.93	231.4	51.99	223.4	50.07	215.9	48.15	201.2	44.42

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	134	53.62	133.2	55.84	133.2	58.15	132.7	59.29	132.7	60.33	131.9	62.64
	-18.8	-19	136.1	54.30	136.1	56.52	135.3	58.83	135.3	59.95	134.8	61.10	134.8	63.31
	-16.7	-17	141.2	55.84	140.7	58.05	140.7	60.15	139.9	61.22	139.9	62.26	139.9	64.47
	-13.7	-15	147.4	57.46	146.6	59.56	146.1	61.60	146.1	62.64	146.1	63.70	145.3	65.71
	-11.8	-13	153.3	59.17	153.3	61.10	152.8	63.02	152.8	64.09	152.8	65.03	152	67.05
	-9.8	-11	160.8	60.72	160	62.64	160	64.56	160	65.54	159.2	66.40	159.2	68.32
	-9.5	-10	164.6	61.60	164.2	63.40	164.2	65.24	163.4	66.18	163.4	67.16	162.6	68.97
	-8.5	-9.1	168	62.26	167.2	64.18	167.2	65.92	167.2	66.78	166.7	67.73	166.7	69.47
	-7	-7.6	173.9	63.50	173.9	65.24	173.4	66.95	173.4	67.93	173.4	68.70	172.6	70.51
	-5	-5.6	183.2	65.15	182.7	66.78	182.7	68.41	181.9	69.17	181.9	70.03	181.4	71.75
	-3	-3.7	192	66.57	192	68.44	191.5	69.73	191.5	70.51	191.5	71.27	183.2	68.32
	0	-0.7	207.4	68.70	207.4	70.24	206.6	71.65	203.3	70.51	196.6	67.54	183.2	61.99
	3	2.2	223.9	70.71	223.4	72.04	210	66.69	203.3	64.09	196.6	61.48	183.2	56.52
	5	4.1	235.2	72.04	223.4	67.64	210	62.64	203.3	60.33	196.6	57.93	183.2	53.23
	7	6	236.8	68.32	223.4	63.62	210	59.00	203.3	56.78	196.6	54.60	183.2	50.19
	9	7.9	236.8	64.18	223.4	59.85	210	55.54	203.3	52.76	196.6	51.43	183.2	47.37
90%	11	9.8	236.8	60.44	223.4	56.40	210	52.38	203.3	50.46	196.6	48.53	183.2	44.72
	13	11.8	236.8	56.78	223.4	53.06	210	49.30	203.3	47.49	196.6	45.76	183.2	42.21
	15	13.7	236.8	53.53	223.4	50.07	210	46.64	203.3	44.89	196.6	43.18	183.2	40.02
	-19.8	-20	133.1	57.67	132.3	59.56	132.3	61.70	131.8	62.64	131.8	63.70	131.8	65.71
	-18.8	-19	135.2	58.23	135.2	60.33	134.4	62.26	134.4	63.31	134.4	64.26	133.9	66.30
	-16.7	-17	140.3	59.68	139.8	61.60	139.8	63.50	139.8	64.47	139	65.42	139	67.34
	-13.7	-15	146.5	61.10	145.7	63.02	145.7	64.86	144.9	65.71	144.9	66.69	144.9	68.49
	-11.8	-13	152.4	62.64	152.4	64.38	151.7	66.10	151.7	67.05	151.7	67.93	151.2	69.65
	-9.8	-11	159.6	64.09	159.6	65.71	159.1	67.43	159.1	68.32	159.1	69.17	158.3	70.89
	-9.5	-10	163.8	64.86	163	66.49	163	68.10	162.5	68.97	162.5	69.85	162.5	71.36
	-8.5	-9.1	167.1	65.54	167.1	67.16	166.3	68.70	166.3	69.47	166.3	70.33	164.3	70.97
	-7	-7.6	173	66.57	173	68.10	172.2	69.73	172.2	70.51	172.2	71.27	164.3	67.81
	-5	-5.6	182.3	68.02	181.8	69.47	181.8	70.97	181	71.75	176.4	69.47	164.3	63.70
	-3	-3.7	191.1	69.36	191.1	70.71	189	70.97	182.3	68.20	176.4	65.42	164.3	60.07
	0	-0.7	207	71.36	201.1	69.56	189	64.47	182.3	61.87	176.4	59.47	164.3	54.60
	3	2.2	212.9	67.93	201.1	63.31	189	58.71	182.3	56.52	176.4	54.21	164.3	49.98
80%	5	4.1	212.9	63.88	201.1	59.56	189	55.36	182.3	53.14	176.4	51.22	164.3	47.11
	7	6	212.9	60.07	201.1	56.13	189	52.08	182.3	50.19	176.4	48.27	164.3	44.50
	9	7.9	212.9	56.61	201.1	52.76	189	49.12	182.3	47.37	176.4	45.57	164.3	42.11
	11	9.8	212.9	53.35	201.1	49.80	189	46.43	182.3	44.72	176.4	43.09	164.3	39.80
	13	11.8	212.9	50.19	201.1	47.03	189	43.74	182.3	42.21	176.4	40.66	164.3	37.62
	15	13.7	212.9	47.37	201.1	44.33	189	41.43	182.3	40.02	176.4	38.56	164.3	35.69
	-19.8	-20	132.7	61.60	131.9	63.40	131.9	65.24	131.9	66.10	131.4	67.05	131.4	68.79
	-18.8	-19	134.8	62.16	134.8	63.99	134	65.71	134	66.69	134	67.54	133.2	69.36
	-16.7	-17	139.9	63.40	139.4	65.15	139.4	66.86	139.4	67.73	139.4	68.58	138.6	70.24
	-13.7	-15	146.1	64.77	145.3	66.40	145.3	68.02	145.3	68.79	144.5	69.65	144.5	71.36
	-11.8	-13	152	66.01	152	67.64	151.2	69.17	151.2	69.95	151.2	70.80	146.6	68.88
	-9.8	-11	159.2	67.34	159.2	68.88	158.7	70.41	158.7	71.09	157.5	70.97	146.6	65.03
	-9.5	-10	163.4	68.02	162.6	69.47	162.6	70.97	162.6	71.75	157.5	68.88	146.6	63.11
	-8.5	-9.1	166.7	68.70	155	70.12	165.9	71.48	162.6	69.85	157.5	67.05	146.6	61.48
	-7	-7.6	172.6	69.65	172.6	70.97	168	69.47	162.6	66.78	157.5	64.09	146.6	58.83
	-5	-5.6	181.9	70.89	178.5	70.51	168	65.24	162.6	62.75	157.5	60.24	146.6	55.36
	-3	-3.7	189.4	71.27	178.5	66.40	168	61.48	162.6	59.17	157.5	56.78	146.6	52.29
	0	-0.7	189.4	64.65	178.5	60.24	168	55.93	162.6	53.82	157.5	51.70	146.6	47.67
	3	2.2	189.4	58.91	178.5	54.98	168	51.14	162.6	49.21	157.5	47.37	146.6	43.65
	5	4.1	189.4	55.45	178.5	51.82	168	48.15	162.6	46.43	157.5	44.72	146.6	41.26
	7	6	189.4	52.29	178.5	48.92	168	45.48	162.6	43.94	157.5	42.32	146.6	39.04
	9	7.9	189.4	49.30	178.5	46.13	168	42.97	162.6	41.43	157.5	40.02	146.6	37.03
	11	9.8	189.4	46.64	178.5	43.56	168	40.66	162.6	39.25	157.5	37.88	146.6	35.11
	13	11.8	189.4	43.94	178.5	41.17	168	38.47	162.6	37.12	157.5	35.79	146.6	33.18
	15	13.7	189.4	41.55	178.5	39.04	168	36.47	162.6	35.23	157.5	33.96	146.6	31.55

Note: TC: Total capacity, PI: Power input.

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## Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	131.8	65.62	131	67.16	131	68.70	131	69.47	131	70.33	127.7	69.56
	-18.8	-19	133.6	66.10	133.6	67.64	133.1	69.17	133.1	69.95	133.1	70.80	127.7	68.10
	-16.7	-17	139	67.16	139	68.70	138.2	70.24	138.2	70.97	137	63.23	127.7	64.94
	-13.7	-15	144.9	68.32	144.4	69.85	144.4	71.27	141.6	70.24	137	67.34	127.7	61.78
	-11.8	-13	150.8	69.47	150.8	70.89	147	69.17	141.6	66.49	137	63.79	127.7	58.53
	-9.8	-11	158.3	70.63	156.3	70.63	147	65.33	141.6	62.85	137	60.33	127.7	55.36
	-9.5	-10	162.2	71.27	156.3	68.49	147	63.40	141.6	61.01	137	58.61	127.7	53.82
	-8.5	-9.1	165.5	71.65	156.3	66.69	147	61.78	141.6	59.39	137	57.08	127.7	52.46
	-7	-7.6	165.5	68.41	156.3	63.70	147	59.09	141.6	56.90	137	54.60	127.7	50.27
	-5	-5.6	165.5	64.26	156.3	59.95	147	55.63	141.6	53.44	137	63.23	127.7	47.37
	-3	-3.7	165.5	60.54	156.3	56.52	147	52.46	141.6	50.46	137	48.53	127.7	44.81
	0	-0.7	165.5	55.06	156.3	51.51	147	47.88	141.6	46.13	137	44.42	127.7	41.05
	3	2.2	165.5	50.36	156.3	47.11	147	43.94	141.6	42.32	137	40.78	127.7	37.71
	5	4.1	165.5	47.49	156.3	44.42	147	41.55	141.6	40.02	137	38.56	127.7	35.69
	7	6	165.5	44.89	156.3	42.02	147	39.25	141.6	37.88	137	36.55	127.7	33.86
	9	7.9	165.5	42.41	156.3	39.80	147	37.12	141.6	35.87	137	34.63	127.7	32.14
	11	9.8	165.5	40.10	156.3	37.62	147	35.23	141.6	34.07	137	32.92	127.7	30.52
60%	13	11.8	165.5	37.88	156.3	35.57	147	33.30	141.6	32.24	137	31.09	127.7	28.98
	15	13.7	165.5	35.96	156.3	33.77	147	31.65	141.6	30.61	137	29.54	127.7	27.62
	-19.8	-20	131.4	69.56	130.6	70.89	126	68.20	122.2	65.54	118	62.94	110	57.67
	-18.8	-19	133.2	70.03	133.2	71.36	126	66.78	122.2	64.09	118	61.48	110	56.52
	-16.7	-17	138.6	70.97	134	68.70	126	63.70	122.2	61.22	118	58.83	110	54.01
	-13.7	-15	142	70.24	134	65.24	126	60.54	122.2	58.23	118	55.93	110	51.43
	-11.8	-13	142	66.40	134	61.78	126	57.37	122.2	55.25	118	53.06	110	49.12
	-9.8	-11	142	62.75	134	58.44	126	54.30	122.2	52.29	118	50.27	110	46.35
	-9.5	-10	142	61.01	134	56.90	126	52.76	122.2	50.84	118	48.92	110	45.10
	-8.5	-9.1	142	59.39	134	55.36	126	51.51	122.2	49.59	118	47.67	110	43.94
	-7	-7.6	142	56.78	134	53.06	126	49.30	122.2	47.49	118	45.66	110	42.21
	-5	-5.6	142	53.44	134	49.98	126	46.52	122.2	44.81	118	43.18	110	39.90
	-3	-3.7	142	50.46	134	47.20	126	43.94	122.2	42.41	118	40.87	110	37.79
	0	-0.7	142	46.13	134	43.18	126	40.28	122.2	38.95	118	37.50	110	34.72
	3	2.2	142	42.32	134	39.71	126	37.12	122.2	35.79	118	34.55	110	32.03
	5	4.1	142	40.02	134	37.50	126	35.11	122.2	33.96	118	32.70	110	30.41
	7	6	142	37.88	134	35.57	126	33.30	122.2	32.14	118	31.09	110	28.86
50%	9	7.9	142	35.87	134	33.68	126	31.55	122.2	30.61	118	29.46	110	27.54
	11	9.8	142	34.07	134	32.03	126	30.02	122.2	29.07	118	28.00	110	26.20
	13	11.8	142	32.14	134	30.31	126	28.48	122.2	27.62	118	26.67	110	24.93
	15	13.7	142	30.61	134	28.78	126	27.15	122.2	26.30	118	25.43	110	23.77
	-19.8	-20	118.4	63.31	111.7	58.91	105	54.69	101.2	52.67	97.8	50.66	91.1	46.64
	-18.8	-19	118.4	61.87	111.7	57.67	105	53.62	101.2	51.60	97.8	49.59	91.1	45.76
	-16.7	-17	118.4	59.09	111.7	55.06	105	51.22	101.2	49.30	97.8	47.49	91.1	43.83
	-13.7	-15	118.4	56.22	111.7	52.46	105	48.83	101.2	47.03	97.8	45.28	91.1	41.82
	-11.8	-13	118.4	53.44	111.7	49.90	105	46.43	101.2	44.72	97.8	43.09	91.1	39.80
	-9.8	-11	118.4	50.57	111.7	47.29	105	44.04	101.2	42.41	97.8	40.87	91.1	37.88
	-9.5	-10	118.4	49.21	111.7	45.96	105	42.89	101.2	41.34	97.8	39.80	91.1	36.84
	-8.5	-9.1	118.4	47.97	111.7	44.89	105	41.82	101.2	40.39	97.8	38.95	91.1	35.96
	-7	-7.6	118.4	45.96	111.7	43.09	105	40.10	101.2	38.77	97.8	37.41	91.1	34.63
	-5	-5.6	118.4	43.35	111.7	40.66	105	38.00	101.2	36.73	97.8	35.40	91.1	32.80
	-3	-3.7	118.4	41.05	111.7	38.56	105	35.96	101.2	34.84	97.8	33.57	91.1	31.17
	0	-0.7	118.4	37.71	111.7	35.40	105	33.18	101.2	32.03	97.8	31.00	91.1	28.78
	3	2.2	118.4	34.72	111.7	32.62	105	30.61	101.2	29.54	97.8	28.59	91.1	26.67
	5	4.1	118.4	32.92	111.7	31.00	105	29.07	101.2	28.10	97.8	27.24	91.1	25.32
	7	6	118.4	31.29	111.7	29.46	105	27.62	101.2	26.76	97.8	25.91	91.1	24.16
	9	7.9	118.4	29.63	111.7	28.00	105	26.30	101.2	25.52	97.8	24.67	91.1	23.04
	11	9.8	118.4	28.22	111.7	26.59	105	25.04	101.2	24.28	97.8	23.51	91.1	21.97
	13	11.8	118.4	26.86	111.7	25.32	105	23.77	101.2	23.13	97.8	22.36	91.1	21.00
	15	13.7	118.4	25.52	111.7	24.16	105	22.75	101.2	22.06	97.8	21.38	91.1	20.05

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	94.5	48.14	89.4	44.77	84	41.55	80.7	40.02	78.1	38.48	72.7	35.44
	-18.8	-19	94.5	47.03	89.4	43.82	84	40.75	80.7	39.22	78.1	37.71	72.7	34.77
	-16.7	-17	94.5	44.93	89.4	41.85	84	38.94	80.7	37.48	78.1	36.08	72.7	33.30
	-13.7	-15	94.5	42.71	89.4	39.89	84	37.11	80.7	35.74	78.1	34.41	72.7	31.80
	-11.8	-13	94.5	40.62	89.4	37.92	84	35.28	80.7	33.99	78.1	32.74	72.7	30.26
	-9.8	-11	94.5	38.43	89.4	35.95	84	33.48	80.7	32.24	78.1	31.05	72.7	28.81
	-9.5	-10	94.5	37.40	89.4	34.93	84	32.58	80.7	31.42	78.1	30.26	72.7	28.00
	-8.5	-9.1	94.5	36.47	89.4	34.12	84	31.80	80.7	30.70	78.1	29.59	72.7	27.35
	-7	-7.6	94.5	34.93	89.4	32.74	84	30.48	80.7	29.46	78.1	28.43	72.7	26.34
	-5	-5.6	94.5	32.96	89.4	30.91	84	28.86	80.7	27.92	78.1	26.90	72.7	24.93
	-3	-3.7	94.5	31.21	89.4	29.33	84	27.35	80.7	26.47	78.1	25.52	72.7	23.69
	0	-0.7	94.5	28.65	89.4	26.90	84	25.23	80.7	24.36	78.1	23.56	72.7	21.88
	3	2.2	94.5	26.39	89.4	24.79	84	23.25	80.7	22.45	78.1	21.72	72.7	20.26
	5	4.1	94.5	25.01	89.4	23.56	84	22.10	80.7	21.37	78.1	20.70	72.7	19.25
	7	6	94.5	23.77	89.4	22.40	84	21.00	80.7	20.34	78.1	19.67	72.7	18.38
30%	9	7.9	94.5	22.53	89.4	21.29	84	19.97	80.7	19.41	78.1	18.73	72.7	17.49
	11	9.8	94.5	21.42	89.4	20.18	84	19.02	80.7	18.43	78.1	17.87	72.7	16.71
	13	11.8	94.5	20.43	89.4	19.25	84	18.09	80.7	17.57	78.1	16.98	72.7	15.95
	15	13.7	94.5	19.41	89.4	18.38	84	17.27	80.7	16.76	78.1	16.25	72.7	15.23
	-19.8	-20	71	35.32	66.8	32.88	63	24.41	60.5	29.38	58.7	28.26	54.6	26.03
	-18.8	-19	71	34.53	66.8	32.19	63	23.95	60.5	28.81	58.7	27.67	54.6	25.52
	-16.7	-17	71	32.97	66.8	30.74	63	22.87	60.5	27.53	58.7	26.51	54.6	24.45
	-13.7	-15	71	31.38	66.8	29.29	63	21.80	60.5	26.24	58.7	25.27	54.6	23.35
	-11.8	-13	71	29.81	66.8	27.83	63	20.73	60.5	24.93	58.7	24.03	54.6	22.23
	-9.8	-11	71	28.22	66.8	26.39	63	19.66	60.5	23.65	58.7	22.80	54.6	21.16
	-9.5	-10	71	27.46	66.8	25.64	63	19.15	60.5	23.08	58.7	22.23	54.6	20.56
	-8.5	-9.1	71	26.76	66.8	25.05	63	18.68	60.5	22.53	58.7	21.72	54.6	20.09
	-7	-7.6	71	25.64	66.8	24.03	63	17.91	60.5	21.63	58.7	20.86	54.6	19.33
	-5	-5.6	71	24.20	66.8	22.70	63	16.97	60.5	20.52	58.7	19.75	54.6	18.30
	-3	-3.7	71	22.92	66.8	21.50	63	16.07	60.5	19.45	58.7	18.73	54.6	17.39
20%	0	-0.7	71	21.04	66.8	19.75	63	14.83	60.5	17.87	58.7	17.27	54.6	16.07
	3	2.2	71	19.37	66.8	18.21	63	13.67	60.5	16.50	58.7	15.95	54.6	14.88
	5	4.1	71	18.35	66.8	17.27	63	12.99	60.5	15.69	58.7	15.22	54.6	14.15
	7	6	71	17.45	66.8	16.42	63	12.32	60.5	14.92	58.7	14.46	54.6	13.51
	9	7.9	71	16.54	66.8	15.65	63	11.72	60.5	14.24	58.7	13.76	54.6	12.86
	11	9.8	71	15.74	66.8	14.83	63	11.16	60.5	13.55	58.7	13.12	54.6	12.27
	13	11.8	71	15.00	66.8	14.15	63	10.61	60.5	12.91	58.7	12.48	54.6	11.72
	15	13.7	71	14.24	66.8	13.51	63	10.14	60.5	12.31	58.7	11.93	54.6	11.20
	-19.8	-20	47.4	22.79	44.6	21.21	42	19.67	40.3	18.94	39.1	18.25	36.5	16.79
	-18.8	-19	47.4	22.28	44.6	20.74	42	19.32	40.3	18.60	39.1	17.86	36.5	16.47
	-16.7	-17	47.4	21.29	44.6	19.84	42	18.43	40.3	17.74	39.1	17.10	36.5	15.78
	-13.7	-15	47.4	20.22	44.6	18.90	42	17.58	40.3	16.93	39.1	16.30	36.5	15.06
	-11.8	-13	47.4	19.24	44.6	17.95	42	16.71	40.3	16.08	39.1	15.51	36.5	14.32
	-9.8	-11	47.4	18.21	44.6	17.02	42	15.86	40.3	15.26	39.1	14.71	36.5	13.64
	-9.5	-10	47.4	17.70	44.6	16.54	42	15.43	40.3	14.88	39.1	14.32	36.5	13.25
	-8.5	-9.1	47.4	17.27	44.6	16.16	42	15.06	40.3	14.54	39.1	14.03	36.5	12.95
20%	-7	-7.6	47.4	16.54	44.6	15.51	42	14.44	40.3	13.95	39.1	13.47	36.5	12.48
	-5	-5.6	47.4	15.60	44.6	14.66	42	13.68	40.3	13.21	39.1	12.75	36.5	11.80
	-3	-3.7	47.4	14.79	44.6	13.90	42	12.95	40.3	12.53	39.1	12.09	36.5	11.24
	0	-0.7	47.4	13.56	44.6	12.75	42	11.96	40.3	11.55	39.1	11.16	36.5	10.36
	3	2.2	47.4	12.49	44.6	11.75	42	11.03	40.3	10.64	39.1	10.30	36.5	9.61
	5	4.1	47.4	11.84	44.6	11.16	42	10.47	40.3	10.13	39.1	9.80	36.5	9.11
	7	6	47.4	11.25	44.6	10.60	42	9.96	40.3	9.62	39.1	9.32	36.5	8.72
	9	7.9	47.4	10.68	44.6	10.09	42	9.45	40.3	9.19	39.1	8.89	36.5	8.29
	11	9.8	47.4	10.14	44.6	9.57	42	9.02	40.3	8.73	39.1	8.46	36.5	7.91
	13	11.8	47.4	9.66	44.6	9.11	42	8.56	40.3	8.33	39.1	8.04	36.5	7.57
	15	13.7	47.4	9.19	44.6	8.72	42	8.17	40.3	7.94	39.1	7.71	36.5	7.22

Note: TC: Total capacity, PI: Power input.

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**■ TMR720ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	142.4	42.9	141.8	45.96	141.2	49.04	141.2	50.52	140.4	52	140.4	55.06
	-18.8	-19	144.6	43.88	143.8	46.86	143.8	49.92	143	51.42	143	52.78	142.4	55.86
	-16.7	-17	150.2	45.96	149.6	48.82	148.8	51.72	148.8	53.08	148.8	54.58	148	57.44
	-13.7	-15	156.6	48.06	155.8	50.8	155	53.58	155	54.98	154.4	56.36	154.4	59.12
	-11.8	-13	162.8	50.22	162.8	52.88	162	55.46	161.4	56.84	161.4	58.24	160.6	60.8
	-9.8	-11	170.4	52.4	169.8	54.98	169	57.44	169	58.72	169	60	168.4	62.58
	-9.5	-10	174.6	53.58	173.8	55.96	173.2	58.42	173.2	59.7	172.4	60.9	172.4	63.36
	-8.5	-9.1	178.2	54.46	177.4	56.84	177.4	59.32	176.8	60.5	176.8	61.68	176	64.16
	-7	-7.6	184.4	56.04	184.4	58.42	183.6	60.7	183.6	61.9	183	62.96	182.2	65.34
	-5	-5.6	194.2	58.24	193.6	60.4	192.8	62.58	192.8	63.76	192	64.76	192	66.92
	-3	-3.7	203.2	60.1	202.4	62.18	202.4	64.26	201.8	65.34	201.8	66.44	201	68.42
	0	-0.7	219.2	62.96	219.2	64.94	218.6	66.84	218.6	67.62	217.8	68.82	217.8	70.8
	3	2.2	236.8	65.64	236	67.42	235.4	69.2	235.4	70.1	235.4	71.08	234.6	72.78
	5	4.1	248.6	67.22	248	69	248	70.68	247.2	71.58	247.2	72.38	246.4	74.06
	7	6	261.2	68.9	260.4	70.4	260.4	72.08	259.6	72.86	259.6	73.66	249.4	70.8
	9	7.9	274.4	70.28	273.8	71.86	273.8	73.36	273.2	74.14	267.6	72.56	249.4	66.44
	11	9.8	288.6	71.68	287.8	73.14	286.4	74.06	276.6	71.18	267.6	68.2	249.4	62.58
120%	13	11.8	303.6	73.06	303.2	74.44	286.4	69.4	276.6	66.62	267.6	64.06	249.4	58.72
	15	13.7	318.4	74.34	304.4	70.5	286.4	65.34	276.6	62.88	267.6	60.32	249.4	55.46
	-19.8	-20	141.8	47.06	141.2	49.82	140.4	52.7	140.4	53.98	140.4	55.46	139.6	58.24
	-18.8	-19	143.8	47.94	143	50.72	143	53.48	142.6	54.76	142.6	56.26	141.8	59.02
	-16.7	-17	149.6	49.82	148.8	52.5	147.8	55.06	148	56.44	148	57.84	147.4	60.4
	-13.7	-15	155.8	51.8	155	54.38	154.4	56.84	154.4	58.24	154.4	59.42	153.6	61.98
	-11.8	-13	162	53.78	162	56.26	161.4	58.64	161.4	59.92	160.6	61.1	160.6	63.58
	-9.8	-11	169.8	55.86	169	58.12	169	60.5	168.4	61.68	168.4	62.78	167.6	65.16
	-9.5	-10	173.8	56.84	173.2	59.12	172.4	61.38	172.4	62.58	172.4	63.66	172	65.94
	-8.5	-9.1	177.4	57.72	176.8	59.92	176.8	62.18	176	63.26	176	64.46	175.2	66.62
	-7	-7.6	183.6	59.22	183.6	61.38	183	63.48	183	64.56	182.2	65.64	182.2	67.72
	-5	-5.6	193.6	61.1	192.8	63.18	192	65.24	192	66.22	192	67.32	191.4	69.2
	-3	-3.7	202.4	62.96	202.4	64.94	201.8	66.84	201.8	67.72	201.2	68.82	201.2	70.68
	0	-0.7	218.6	65.64	218.6	67.42	217.8	69.2	217.8	70.1	217.2	70.98	217.2	72.78
	3	2.2	236	68.12	235.4	69.7	235.4	71.38	234.6	72.26	234.6	73.06	229.8	72.66
	5	4.1	248	69.6	247.2	71.18	247.2	72.78	246.4	73.54	246.4	74.34	229.8	68.2
	7	6	260.4	70.98	260.4	72.48	260	73.94	255.6	72.96	247.2	70	229.8	64.16
110%	9	7.9	273.8	72.38	273.2	73.84	264	71.38	255.6	68.52	247.2	65.74	229.8	60.4
	11	9.8	287.8	73.66	280.8	72.38	264	67.14	255.6	64.56	247.2	61.9	229.8	56.94
	13	11.8	298.2	72.96	280.8	67.92	264	62.96	255.6	60.62	247.2	58.24	229.8	53.58
	15	13.7	298.2	68.72	280.8	63.96	264	59.42	255.6	57.04	247.2	54.86	229.8	50.52
	-19.8	-20	141.2	51.2	140.4	53.68	139.6	56.26	139.6	57.54	139.8	58.82	139	61.38
	-18.8	-19	143	52	142.6	54.46	142.6	57.04	142.6	58.24	141.8	59.52	141.8	62.08
	-16.7	-17	148.8	53.68	148	56.16	150.2	58.64	147.4	59.82	147.4	60.98	146.6	63.36
	-13.7	-15	155	55.56	154.4	57.84	153.6	60.22	153.6	61.38	153.6	62.58	153	64.86
	-11.8	-13	161.4	57.44	161.4	59.62	160.6	61.78	160.6	62.96	160	64.06	160	66.34
	-9.8	-11	169	59.22	168.4	61.38	168.4	63.48	167.6	64.56	167.6	65.64	167.6	67.72
	-9.5	-10	173.2	60.22	172.4	62.18	171.6	64.36	171.6	65.34	171.6	66.44	171.2	68.52
	-8.5	-9.1	176.8	60.98	176	62.96	176	65.04	175.2	66.14	175.2	67.14	175.2	61.2
	-7	-7.6	183	62.38	183	64.26	182.2	66.22	182.2	67.22	182.2	68.2	181.6	70.18
	-5	-5.6	192.8	64.16	192	66.04	191.4	67.82	191.4	68.82	191.4	69.7	190.6	71.68
	-3	-3.7	201.8	65.74	201.8	67.54	201.2	69.3	201.2	70.18	200.6	71.08	200.6	72.86
	0	-0.7	217.8	68.2	217.8	69.88	217.2	71.58	217.2	72.38	217.2	73.14	210.8	71.78
	3	2.2	235.4	70.5	234.6	71.98	234.6	73.54	234	74.24	226.2	71.18	210.8	65.34
	5	4.1	247.2	71.86	247.2	73.36	242.4	72.66	234	69.7	226.2	66.92	210.8	61.38
	7	6	259.6	73.14	257.8	73.66	242.4	68.2	234	65.56	226.2	62.96	210.8	57.84
	9	7.9	273.2	74.34	257.8	69.2	242.4	64.16	234	61.68	226.2	59.22	210.8	54.46
	11	9.8	273.2	70	257.8	65.16	242.4	60.4	234	58.12	226.2	55.86	210.8	51.42
	13	11.8	273.2	65.64	257.8	61.1	242.4	56.74	234	54.68	226.2	52.5	210.8	48.46
	15	13.7	273.2	58.24	257.8	57.64	242.4	53.58	234	51.6	226.2	49.62	210.8	45.78

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	140.4	55.26	139.6	57.54	139.6	59.92	139	61.1	139	62.18	138.2	64.56
	-18.8	-19	142.6	55.96	142.6	58.24	141.8	60.62	141.8	61.78	141.2	62.96	141.2	65.24
	-16.7	-17	148	57.54	147.4	59.82	147.4	61.98	146.6	63.08	146.6	64.16	146.6	66.44
	-13.7	-15	154.4	59.22	153.6	61.38	153	63.48	153	64.56	153	65.64	152.2	67.72
	-11.8	-13	160.6	60.98	160.6	62.96	160	64.94	160	66.04	160	67.02	159.2	69.1
	-9.8	-11	168.4	62.58	167.6	64.56	167.6	66.54	167.6	67.54	166.8	68.42	166.8	70.4
	-9.5	-10	172.4	63.48	172	65.34	172	67.22	171.2	68.2	171.2	69.2	170.4	71.08
	-8.5	-9.1	176	64.16	175.2	66.14	175.2	67.92	175.2	68.82	174.6	69.8	174.6	71.58
	-7	-7.6	182.2	65.44	182.2	67.22	181.6	69	181.6	70	181.6	70.8	180.8	72.66
	-5	-5.6	192	67.14	191.4	68.82	191.4	70.5	190.6	71.28	190.6	72.16	190	73.94
	-3	-3.7	201.2	68.6	201.2	62.28	200.6	71.86	200.6	72.66	200.6	73.44	192	70.4
	0	-0.7	217.2	70.8	217.2	72.38	216.4	73.84	213	72.66	206	69.6	192	63.88
	3	2.2	234.6	72.86	234	74.24	220	68.72	213	66.04	206	63.36	192	58.24
	5	4.1	246.4	74.24	234	69.7	220	64.56	213	62.18	206	59.7	192	54.86
	7	6	248	70.4	234	65.56	220	60.8	213	58.52	206	56.26	192	51.72
	9	7.9	248	66.14	234	61.68	220	57.24	213	54.38	206	53	192	48.82
	11	9.8	248	62.28	234	58.12	220	53.98	213	52	206	50.02	192	46.08
	13	11.8	248	58.52	234	54.68	220	50.8	213	48.94	206	47.16	192	43.5
	15	13.7	248	55.16	234	51.6	220	48.06	213	46.26	206	44.5	192	41.24
90%	-19.8	-20	139.4	59.42	138.6	61.38	138.6	63.58	138	64.56	138	65.64	138	67.72
	-18.8	-19	141.6	60	141.6	62.18	140.8	64.16	140.8	65.24	140.8	66.22	140.2	68.32
	-16.7	-17	147	61.5	146.4	63.48	146.4	65.44	146.4	66.44	145.6	67.42	145.6	69.4
	-13.7	-15	153.4	62.96	152.6	64.94	152.6	66.84	151.8	67.72	151.8	68.72	151.8	70.58
	-11.8	-13	159.6	64.56	159.6	66.34	159	68.12	159	69.1	159	70	158.4	71.78
	-9.8	-11	167.2	66.04	167.2	67.72	166.6	69.5	166.6	70.4	166.6	71.28	165.8	73.06
	-9.5	-10	171.6	66.84	170.8	68.52	170.8	70.18	170.2	71.08	170.2	71.98	170.2	73.54
	-8.5	-9.1	175	67.54	175	69.2	174.2	70.8	174.2	71.58	174.2	72.48	172.2	73.14
	-7	-7.6	181.2	68.6	181.2	70.18	180.4	71.86	180.4	72.66	180.4	73.44	172.2	69.88
	-5	-5.6	191	70.1	190.4	71.58	190.4	73.14	189.6	73.94	184.8	71.58	172.2	65.64
	-3	-3.7	200.2	71.48	200.2	72.86	198	73.14	191	70.28	184.8	67.42	172.2	61.9
	0	-0.7	216.8	73.54	210.6	71.68	198	66.44	191	63.76	184.8	61.28	172.2	56.26
	3	2.2	223	70	210.6	65.24	198	60.5	191	58.24	184.8	55.86	172.2	51.5
	5	4.1	223	65.84	210.6	61.38	198	57.04	191	54.76	184.8	52.78	172.2	48.54
	7	6	223	61.9	210.6	57.84	198	53.68	191	51.72	184.8	49.74	172.2	45.86
	9	7.9	223	58.34	210.6	54.38	198	50.62	191	48.82	184.8	46.96	172.2	43.4
	11	9.8	223	54.98	210.6	51.32	198	47.84	191	46.08	184.8	44.4	172.2	41.02
	13	11.8	223	51.72	210.6	48.46	198	45.08	191	43.5	184.8	41.9	172.2	38.76
	15	13.7	223	48.82	210.6	45.68	198	42.7	191	41.24	184.8	39.74	172.2	36.78
80%	-19.8	-20	139	63.48	138.2	65.34	138.2	67.22	138.2	68.12	137.6	69.1	137.6	70.88
	-18.8	-19	141.2	64.06	141.2	65.94	140.4	67.72	140.4	68.72	140.4	69.6	139.6	71.48
	-16.7	-17	146.6	65.34	146	67.14	146	68.9	146	69.8	146	70.68	145.2	72.38
	-13.7	-15	153	66.74	152.2	68.42	152.2	70.1	152.2	70.88	151.4	71.78	151.4	73.54
	-11.8	-13	159.2	68.02	159.2	69.7	158.4	71.28	158.4	72.08	158.4	72.96	153.6	70.98
	-9.8	-11	166.8	69.4	166.8	70.98	166.2	72.56	166.2	73.26	165	73.14	153.6	67.02
	-9.5	-10	171.2	70.1	170.4	71.58	170.4	73.14	170.4	73.94	165	70.98	153.6	65.04
	-8.5	-9.1	174.6	70.8	162.4	72.26	173.8	73.66	170.4	71.98	165	69.1	153.6	63.36
	-7	-7.6	180.8	71.78	180.8	73.14	176	71.58	170.4	68.82	165	66.04	153.6	60.62
	-5	-5.6	190.6	73.06	187	72.66	176	67.22	170.4	64.66	165	62.08	153.6	57.04
	-3	-3.7	198.4	73.44	187	68.42	176	63.36	170.4	60.98	165	58.52	153.6	53.88
	0	-0.7	198.4	66.62	187	62.08	176	57.64	170.4	55.46	165	53.28	153.6	49.12
	3	2.2	198.4	60.7	187	56.66	176	52.7	170.4	50.72	165	48.82	153.6	44.98
	5	4.1	198.4	57.14	187	53.4	176	49.62	170.4	47.84	165	46.08	153.6	42.52
	7	6	198.4	53.88	187	50.42	176	46.86	170.4	45.28	165	43.6	153.6	40.24
	9	7.9	198.4	50.8	187	47.54	176	44.28	170.4	42.7	165	41.24	153.6	38.16
	11	9.8	198.4	48.06	187	44.88	176	41.9	170.4	40.44	165	39.04	153.6	36.18
	13	11.8	198.4	45.28	187	42.42	176	39.64	170.4	38.26	165	36.88	153.6	34.2
	15	13.7	198.4	42.82	187	40.24	176	37.58	170.4	36.3	165	35	153.6	32.52

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	138	67.62	137.2	69.2	137.2	70.8	137.2	71.58	137.2	72.48	133.8	71.68
	-18.8	-19	140	68.12	140	69.7	139.4	71.28	139.4	72.08	139.4	72.96	133.8	70.18
	-16.7	-17	145.6	69.2	145.6	70.8	144.8	72.38	144.8	73.14	143.6	65.16	133.8	66.92
	-13.7	-15	151.8	70.4	151.2	71.98	151.2	73.44	148.4	72.38	143.6	69.4	133.8	63.66
	-11.8	-13	158	71.58	158	73.06	154	71.28	148.4	68.52	143.6	65.74	133.8	60.32
	-9.8	-11	165.8	72.78	163.8	72.78	154	67.32	148.4	64.76	143.6	62.18	133.8	57.04
	-9.5	-10	170	73.44	163.8	70.58	154	65.34	148.4	62.88	143.6	60.4	133.8	55.46
	-8.5	-9.1	173.4	73.84	163.8	68.72	154	63.66	148.4	61.2	143.6	58.82	133.8	54.06
	-7	-7.6	173.4	70.5	163.8	65.64	154	60.9	148.4	58.64	143.6	56.26	133.8	51.8
	-5	-5.6	173.4	66.22	163.8	61.78	154	57.34	148.4	55.06	143.6	65.16	133.8	48.82
	-3	-3.7	173.4	62.38	163.8	58.24	154	54.06	148.4	52	143.6	50.02	133.8	46.18
	0	-0.7	173.4	56.74	163.8	53.08	154	49.34	148.4	47.54	143.6	45.78	133.8	42.3
	3	2.2	173.4	51.9	163.8	48.54	154	45.28	148.4	43.6	143.6	42.02	133.8	38.86
	5	4.1	173.4	48.94	163.8	45.78	154	42.82	148.4	41.24	143.6	39.74	133.8	36.78
	7	6	173.4	46.26	163.8	43.3	154	40.44	148.4	39.04	143.6	37.66	133.8	34.9
60%	9	7.9	173.4	43.7	163.8	41.02	154	38.26	148.4	36.96	143.6	35.68	133.8	33.12
	11	9.8	173.4	41.32	163.8	38.76	154	36.3	148.4	35.1	143.6	33.92	133.8	31.44
	13	11.8	173.4	39.04	163.8	36.66	154	34.32	148.4	33.22	143.6	32.04	133.8	29.86
	15	13.7	173.4	37.06	163.8	34.8	154	32.62	148.4	31.54	143.6	30.44	133.8	28.46
	-19.8	-20	137.6	71.68	136.8	73.06	132	70.28	128	67.54	123.6	64.86	115.2	59.42
	-18.8	-19	139.6	72.16	139.6	73.54	132	68.82	128	66.04	123.6	63.36	115.2	58.24
	-16.7	-17	145.2	73.14	140.4	70.8	132	65.64	128	63.08	123.6	60.62	115.2	55.66
	-13.7	-15	148.8	72.38	140.4	67.22	132	62.38	128	60	123.6	57.64	115.2	53
	-11.8	-13	148.8	68.42	140.4	63.66	132	59.12	128	56.94	123.6	54.68	115.2	50.62
	-9.8	-11	148.8	64.66	140.4	60.22	132	55.96	128	53.88	123.6	51.8	115.2	47.76
	-9.5	-10	148.8	62.88	140.4	58.64	132	54.38	128	52.4	123.6	50.42	115.2	46.48
	-8.5	-9.1	148.8	61.2	140.4	57.04	132	53.08	128	51.1	123.6	49.12	115.2	45.28
	-7	-7.6	148.8	58.52	140.4	54.68	132	50.8	128	48.94	123.6	47.06	115.2	43.5
	-5	-5.6	148.8	55.06	140.4	51.5	132	47.94	128	46.18	123.6	44.5	115.2	41.12
	-3	-3.7	148.8	52	140.4	48.64	132	45.28	128	43.7	123.6	42.12	115.2	38.94
	0	-0.7	148.8	47.54	140.4	44.5	132	41.52	128	40.14	123.6	38.64	115.2	35.78
50%	3	2.2	148.8	43.6	140.4	40.92	132	38.26	128	36.88	123.6	35.6	115.2	33.02
	5	4.1	148.8	41.24	140.4	38.64	132	36.18	128	35	123.6	33.7	115.2	31.34
	7	6	148.8	39.04	140.4	36.66	132	34.32	128	33.12	123.6	32.04	115.2	29.74
	9	7.9	148.8	36.96	140.4	34.7	132	32.52	128	31.54	123.6	30.36	115.2	28.38
	11	9.8	148.8	35.1	140.4	33.02	132	30.94	128	29.96	123.6	28.86	115.2	27
	13	11.8	148.8	33.12	140.4	31.24	132	29.36	128	28.46	123.6	27.48	115.2	25.7
	15	13.7	148.8	31.54	140.4	29.66	132	27.98	128	27.1	123.6	26.2	115.2	24.5
	-19.8	-20	124	65.24	117	60.7	110	56.36	106	54.28	102.4	52.2	95.4	48.06
	-18.8	-19	124	63.76	117	59.42	110	55.26	106	53.18	102.4	51.1	95.4	47.16
	-16.7	-17	124	60.9	117	56.74	110	52.78	106	50.8	102.4	48.94	95.4	45.18
	-13.7	-15	124	57.94	117	54.06	110	50.32	106	48.46	102.4	46.66	95.4	43.1
	-11.8	-13	124	55.06	117	51.42	110	47.84	106	46.08	102.4	44.4	95.4	41.02
	-9.8	-11	124	52.1	117	48.74	110	45.38	106	43.7	102.4	42.12	95.4	39.04
	-9.5	-10	124	50.72	117	47.36	110	44.2	106	42.6	102.4	41.02	95.4	37.96
	-8.5	-9.1	124	49.44	117	46.26	110	43.1	106	41.62	102.4	40.14	95.4	37.06
	-7	-7.6	124	47.36	117	44.4	110	41.32	106	39.94	102.4	38.56	95.4	35.68
	-5	-5.6	124	44.68	117	41.9	110	39.16	106	37.86	102.4	36.48	95.4	33.8
	-3	-3.7	124	42.3	117	39.74	110	37.06	106	35.9	102.4	34.6	95.4	32.12
	0	-0.7	124	38.86	117	36.48	110	34.2	106	33.02	102.4	31.94	95.4	29.66
	3	2.2	124	35.78	117	33.62	110	31.54	106	30.44	102.4	29.46	95.4	27.48
	5	4.1	124	33.92	117	31.94	110	29.96	106	28.96	102.4	28.08	95.4	26.1
	7	6	124	32.24	117	30.36	110	28.46	106	27.58	102.4	26.7	95.4	24.9
	9	7.9	124	30.54	117	28.86	110	27.1	106	26.3	102.4	25.42	95.4	23.74
	11	9.8	124	29.08	117	27.4	110	25.8	106	25.02	102.4	24.22	95.4	22.64
	13	11.8	124	27.68	117	26.1	110	24.5	106	23.84	102.4	23.04	95.4	21.64
	15	13.7	124	26.3	117	24.9	110	23.44	106	22.74	102.4	22.04	95.4	20.66

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	99	49.6	93.6	46.14	88	42.82	84.6	41.24	81.8	39.66	76.2	36.52
	-18.8	-19	99	48.46	93.6	45.16	88	42	84.6	40.42	81.8	38.86	76.2	35.84
	-16.7	-17	99	46.3	93.6	43.12	88	40.12	84.6	38.62	81.8	37.18	76.2	34.32
	-13.7	-15	99	44.02	93.6	41.1	88	38.24	84.6	36.82	81.8	35.46	76.2	32.76
	-11.8	-13	99	41.86	93.6	39.08	88	36.36	84.6	35.02	81.8	33.74	76.2	31.18
	-9.8	-11	99	39.6	93.6	37.04	88	34.5	84.6	33.22	81.8	32	76.2	29.68
	-9.5	-10	99	38.54	93.6	36	88	33.58	84.6	32.38	81.8	31.18	76.2	28.86
	-8.5	-9.1	99	37.58	93.6	35.16	88	32.76	84.6	31.64	81.8	30.5	76.2	28.18
	-7	-7.6	99	36	93.6	33.74	88	31.4	84.6	30.36	81.8	29.3	76.2	27.14
	-5	-5.6	99	33.96	93.6	31.86	88	29.74	84.6	28.78	81.8	27.72	76.2	25.7
	-3	-3.7	99	32.16	93.6	30.22	88	28.18	84.6	27.28	81.8	26.3	76.2	24.42
	0	-0.7	99	29.52	93.6	27.72	88	26	84.6	25.1	81.8	24.28	76.2	22.54
	3	2.2	99	27.2	93.6	25.54	88	23.96	84.6	23.14	81.8	22.38	76.2	20.88
	5	4.1	99	25.78	93.6	24.28	88	22.78	84.6	22.02	81.8	21.34	76.2	19.84
	7	6	99	24.5	93.6	23.08	88	21.64	84.6	20.96	81.8	20.28	76.2	18.94
30%	9	7.9	99	23.22	93.6	21.94	88	20.58	84.6	20	81.8	19.3	76.2	18.02
	11	9.8	99	22.08	93.6	20.8	88	19.6	84.6	19	81.8	18.42	76.2	17.22
	13	11.8	99	21.04	93.6	19.84	88	18.64	84.6	18.1	81.8	17.5	76.2	16.44
	15	13.7	99	20	93.6	18.94	88	17.8	84.6	17.28	81.8	16.74	76.2	15.7
	-19.8	-20	74.4	36.4	70	33.88	66	25.16	63.4	30.28	61.4	29.12	57.2	26.82
	-18.8	-19	74.4	35.58	70	33.16	66	24.68	63.4	29.68	61.4	28.52	57.2	26.3
	-16.7	-17	74.4	33.98	70	31.68	66	23.56	63.4	28.36	61.4	27.32	57.2	25.2
	-13.7	-15	74.4	32.34	70	30.18	66	22.46	63.4	27.04	61.4	26.04	57.2	24.06
	-11.8	-13	74.4	30.72	70	28.68	66	21.36	63.4	25.7	61.4	24.76	57.2	22.9
	-9.8	-11	74.4	29.08	70	27.2	66	20.26	63.4	24.38	61.4	23.5	57.2	21.8
	-9.5	-10	74.4	28.3	70	26.42	66	19.74	63.4	23.78	61.4	22.9	57.2	21.18
	-8.5	-9.1	74.4	27.58	70	25.82	66	19.24	63.4	23.22	61.4	22.38	57.2	20.7
	-7	-7.6	74.4	26.42	70	24.76	66	18.46	63.4	22.28	61.4	21.5	57.2	19.92
	-5	-5.6	74.4	24.94	70	23.4	66	17.48	63.4	21.14	61.4	20.36	57.2	18.86
	-3	-3.7	74.4	23.62	70	22.16	66	16.56	63.4	20.04	61.4	19.3	57.2	17.92
	0	-0.7	74.4	21.68	70	20.36	66	15.28	63.4	18.42	61.4	17.8	57.2	16.56
20%	3	2.2	74.4	19.96	70	18.76	66	14.08	63.4	17	61.4	16.44	57.2	15.34
	5	4.1	74.4	18.92	70	17.8	66	13.38	63.4	16.16	61.4	15.68	57.2	14.58
	7	6	74.4	17.98	70	16.92	66	12.7	63.4	15.38	61.4	14.9	57.2	13.92
	9	7.9	74.4	17.04	70	16.12	66	12.08	63.4	14.68	61.4	14.18	57.2	13.24
	11	9.8	74.4	16.22	70	15.28	66	11.5	63.4	13.96	61.4	13.52	57.2	12.64
	13	11.8	74.4	15.46	70	14.58	66	10.94	63.4	13.3	61.4	12.86	57.2	12.08
	15	13.7	74.4	14.68	70	13.92	66	10.46	63.4	12.68	61.4	12.3	57.2	11.54
	-19.8	-20	49.6	23.48	46.8	21.86	44	20.28	42.2	19.52	41	18.8	38.2	17.3
	-18.8	-19	49.6	22.96	46.8	21.38	44	19.9	42.2	19.16	41	18.4	38.2	16.98
	-16.7	-17	49.6	21.94	46.8	20.44	44	19	42.2	18.28	41	17.62	38.2	16.26
	-13.7	-15	49.6	20.84	46.8	19.48	44	18.12	42.2	17.44	41	16.8	38.2	15.52
	-11.8	-13	49.6	19.82	46.8	18.5	44	17.22	42.2	16.58	41	15.98	38.2	14.76
	-9.8	-11	49.6	18.76	46.8	17.54	44	16.34	42.2	15.72	41	15.16	38.2	14.06
	-9.5	-10	49.6	18.24	46.8	17.04	44	15.9	42.2	15.34	41	14.76	38.2	13.66
	-8.5	-9.1	49.6	17.8	46.8	16.66	44	15.52	42.2	14.98	41	14.46	38.2	13.34
	-7	-7.6	49.6	17.04	46.8	15.98	44	14.88	42.2	14.38	41	13.88	38.2	12.86
	-5	-5.6	49.6	16.08	46.8	15.1	44	14.1	42.2	13.62	41	13.14	38.2	12.16
	-3	-3.7	49.6	15.24	46.8	14.32	44	13.34	42.2	12.92	41	12.46	38.2	11.58
	0	-0.7	49.6	13.98	46.8	13.14	44	12.32	42.2	11.9	41	11.5	38.2	10.68
	3	2.2	49.6	12.88	46.8	12.1	44	11.36	42.2	10.96	41	10.62	38.2	9.9
	5	4.1	49.6	12.2	46.8	11.5	44	10.78	42.2	10.44	41	10.1	38.2	9.4
	7	6	49.6	11.6	46.8	10.92	44	10.26	42.2	9.92	41	9.6	38.2	8.98
	9	7.9	49.6	11	46.8	10.4	44	9.74	42.2	9.46	41	9.16	38.2	8.54
	11	9.8	49.6	10.46	46.8	9.86	44	9.3	42.2	9	41	8.72	38.2	8.16
	13	11.8	49.6	9.96	46.8	9.4	44	8.82	42.2	8.58	41	8.28	38.2	7.8
	15	13.7	49.6	9.46	46.8	8.98	44	8.42	42.2	8.18	41	22.04	38.2	7.44

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR740ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	142.4	43.61	141.8	46.72	141.2	49.85	141.2	51.35	140.4	52.86	140.4	55.97
	-18.8	-19	144.6	44.60	143.8	47.63	143.8	50.74	143	52.27	143	53.65	142.4	56.78
	-16.7	-17	150.2	46.72	149.6	49.62	148.8	52.57	148.8	53.95	148.8	55.48	148	58.38
	-13.7	-15	156.6	48.85	155.8	51.64	155	54.46	155	55.88	154.4	57.29	154.4	60.09
	-11.8	-13	162.8	51.05	162.8	53.75	162	56.37	161.4	57.77	161.4	59.20	160.6	61.80
	-9.8	-11	170.4	53.26	169.8	55.88	169	58.38	169	59.69	169	60.99	168.4	63.61
	-9.5	-10	174.6	54.46	173.8	56.88	173.2	59.38	173.2	60.68	172.4	61.90	172.4	64.40
	-8.5	-9.1	178.2	55.36	177.4	57.77	177.4	60.30	176.8	61.50	176.8	62.69	176	65.22
	-7	-7.6	184.4	56.96	184.4	59.38	183.6	61.70	183.6	62.92	183	64.00	182.2	66.41
	-5	-5.6	194.2	59.20	193.6	61.39	192.8	63.61	192.8	64.81	192	65.83	192	68.02
	-3	-3.7	203.2	61.09	202.4	63.20	202.4	65.32	201.8	66.41	201.8	67.53	201	69.55
	0	-0.7	219.2	64.00	219.2	66.01	218.6	67.94	218.6	68.73	217.8	69.95	217.8	71.96
	3	2.2	236.8	66.72	236	68.53	235.4	70.34	235.4	71.25	235.4	72.25	234.6	73.98
	5	4.1	248.6	68.33	248	70.13	248	71.84	247.2	72.76	247.2	73.57	246.4	75.28
	7	6	261.2	70.03	260.4	71.56	260.4	73.27	259.6	74.06	259.6	74.87	249.4	71.96
	9	7.9	274.4	71.44	273.8	73.04	273.8	74.57	273.2	75.36	267.6	73.75	249.4	67.53
	11	9.8	288.6	72.86	287.8	74.34	286.4	75.28	276.6	72.35	267.6	69.32	249.4	63.61
	13	11.8	303.6	74.26	303.2	75.66	286.4	70.54	276.6	67.72	267.6	65.11	249.4	59.69
	15	13.7	318.4	75.56	304.4	71.66	286.4	66.41	276.6	63.91	267.6	61.31	249.4	56.37
120%	-19.8	-20	141.8	47.83	141.2	50.64	140.4	53.57	140.4	54.87	140.4	56.37	139.6	59.20
	-18.8	-19	143.8	48.73	143	51.55	143	54.36	142.6	55.66	142.6	57.19	141.8	59.99
	-16.7	-17	149.6	50.64	148.8	53.36	147.8	55.97	148	57.37	148	58.79	147.4	61.39
	-13.7	-15	155.8	52.65	155	55.27	154.4	57.77	154.4	59.20	154.4	60.40	153.6	63.00
	-11.8	-13	162	54.66	162	57.19	161.4	59.60	161.4	60.91	160.6	62.10	160.6	64.63
	-9.8	-11	169.8	56.78	169	59.08	169	61.50	168.4	62.69	168.4	63.81	167.6	66.23
	-9.5	-10	173.8	57.77	173.2	60.09	172.4	62.39	172.4	63.61	172.4	64.71	172	67.02
	-8.5	-9.1	177.4	58.67	176.8	60.91	176.8	63.20	176	64.30	176	65.52	175.2	67.72
	-7	-7.6	183.6	60.19	183.6	62.39	183	64.52	183	65.62	182.2	66.72	182.2	68.83
	-5	-5.6	193.6	62.10	192.8	64.22	192	66.31	192	67.31	192	68.43	191.4	70.34
	-3	-3.7	202.4	64.00	202.4	66.01	201.8	67.94	201.8	68.83	201.2	69.95	201.2	71.84
	0	-0.7	218.6	66.72	218.6	68.53	217.8	70.34	217.8	71.25	217.2	72.15	217.2	73.98
	3	2.2	236	69.24	235.4	70.85	235.4	72.55	234.6	73.45	234.6	74.26	229.8	73.86
	5	4.1	248	70.74	247.2	72.35	247.2	73.98	246.4	74.75	246.4	75.56	229.8	69.32
	7	6	260.4	72.15	260.4	73.67	260	75.16	255.6	74.16	247.2	71.15	229.8	65.22
	9	7.9	273.8	73.57	273.2	75.05	264	72.55	255.6	69.65	247.2	66.82	229.8	61.39
	11	9.8	287.8	74.87	280.8	73.57	264	68.24	255.6	65.62	247.2	62.92	229.8	57.88
	13	11.8	298.2	74.16	280.8	69.04	264	64.00	255.6	61.62	247.2	59.20	229.8	54.46
	15	13.7	298.2	69.85	280.8	65.01	264	60.40	255.6	57.98	247.2	55.76	229.8	51.35
110%	-19.8	-20	141.2	52.04	140.4	54.56	139.6	57.19	139.6	58.49	139.8	59.79	139	62.39
	-18.8	-19	143	52.86	142.6	55.36	142.6	57.98	142.6	59.20	141.8	60.50	141.8	63.10
	-16.7	-17	148.8	54.56	148	57.08	150.2	59.60	147.4	60.80	147.4	61.98	146.6	64.40
	-13.7	-15	155	56.47	154.4	58.79	153.6	61.21	153.6	62.39	153.6	63.61	153	65.93
	-11.8	-13	161.4	58.38	161.4	60.60	160.6	62.80	160.6	64.00	160	65.11	160	67.43
	-9.8	-11	169	60.19	168.4	62.39	168.4	64.52	167.6	65.62	167.6	66.72	167.6	68.83
	-9.5	-10	173.2	61.21	172.4	63.20	171.6	65.42	171.6	66.41	171.6	67.53	171.2	69.65
	-8.5	-9.1	176.8	61.98	176	64.00	176	66.11	175.2	67.23	175.2	68.24	175.2	72.21
	-7	-7.6	183	63.41	183	65.32	182.2	67.31	182.2	68.33	182.2	69.32	181.6	71.33
	-5	-5.6	192.8	65.22	192	67.13	191.4	68.94	191.4	69.95	191.4	70.85	190.6	72.86
	-3	-3.7	201.8	66.82	201.8	68.65	201.2	70.44	201.2	71.33	200.6	72.25	200.6	74.06
	0	-0.7	217.8	69.32	217.8	71.03	217.2	72.76	217.2	73.57	217.2	74.34	210.8	72.96
	3	2.2	235.4	71.66	234.6	73.16	234.6	74.75	234	75.46	226.2	72.35	210.8	66.41
	5	4.1	247.2	73.04	247.2	74.57	242.4	73.86	234	70.85	226.2	68.02	210.8	62.39
	7	6	259.6	74.34	257.8	74.87	242.4	69.32	234	66.64	226.2	64.00	210.8	58.79
	9	7.9	273.2	75.56	257.8	70.34	242.4	65.22	234	62.69	226.2	60.19	210.8	55.36
	11	9.8	273.2	71.15	257.8	66.23	242.4	61.39	234	59.08	226.2	56.78	210.8	52.27
	13	11.8	273.2	66.72	257.8	62.10	242.4	57.67	234	55.58	226.2	53.36	210.8	49.26
	15	13.7	273.2	59.20	257.8	58.59	242.4	54.46	234	52.45	226.2	50.44	210.8	46.53

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100%	-19.8	-20	140.4	56.17	139.6	58.49	139.6	60.91	139	62.10	139	63.20	138.2	65.62
	-18.8	-19	142.6	56.88	142.6	59.20	141.8	61.62	141.8	62.80	141.2	64.00	141.2	66.31
	-16.7	-17	148	58.49	147.4	60.80	147.4	63.00	146.6	64.12	146.6	65.22	146.6	67.53
	-13.7	-15	154.4	60.19	153.6	62.39	153	64.52	153	65.62	153	66.72	152.2	68.83
	-11.8	-13	160.6	61.98	160.6	64.00	160	66.01	160	67.13	160	68.12	159.2	70.24
	-9.8	-11	168.4	63.61	167.6	65.62	167.6	67.63	167.6	68.65	166.8	69.55	166.8	71.56
	-9.5	-10	172.4	64.52	172	66.41	172	68.33	171.2	69.32	171.2	70.34	170.4	72.25
	-8.5	-9.1	176	65.22	175.2	67.23	175.2	69.04	175.2	69.95	174.6	70.95	174.6	72.76
	-7	-7.6	182.2	66.52	182.2	68.33	181.6	70.13	181.6	71.15	181.6	71.96	180.8	73.86
	-5	-5.6	192	68.24	191.4	69.95	191.4	71.66	190.6	72.45	190.6	73.35	190	75.16
	-3	-3.7	201.2	69.73	201.2	73.30	200.6	73.04	200.6	73.86	200.6	74.65	192	71.56
	0	-0.7	217.2	71.96	217.2	73.57	216.4	75.05	213	73.86	206	70.74	192	64.93
	3	2.2	234.6	74.06	234	75.46	220	69.85	213	67.13	206	64.40	192	59.20
	5	4.1	246.4	75.46	234	70.85	220	65.62	213	63.20	206	60.68	192	55.76
	7	6	248	71.56	234	66.64	220	61.80	213	59.48	206	57.19	192	52.57
	9	7.9	248	67.23	234	62.69	220	58.18	213	55.27	206	53.87	192	49.62
	11	9.8	248	63.30	234	59.08	220	54.87	213	52.86	206	50.84	192	46.84
	13	11.8	248	59.48	234	55.58	220	51.64	213	49.74	206	47.94	192	44.22
	15	13.7	248	56.07	234	52.45	220	48.85	213	47.02	206	45.23	192	41.92
90%	-19.8	-20	139.4	60.40	138.6	62.39	138.6	64.63	138	65.62	138	66.72	138	68.83
	-18.8	-19	141.6	60.99	141.6	63.20	140.8	65.22	140.8	66.31	140.8	67.31	140.2	69.44
	-16.7	-17	147	62.51	146.4	64.52	146.4	66.52	146.4	67.53	145.6	68.53	145.6	70.54
	-13.7	-15	153.4	64.00	152.6	66.01	152.6	67.94	151.8	68.83	151.8	69.85	151.8	71.74
	-11.8	-13	159.6	65.62	159.6	67.43	159	69.24	159	70.24	159	71.15	158.4	72.96
	-9.8	-11	167.2	67.13	167.2	68.83	166.6	70.64	166.6	71.56	166.6	72.45	165.8	74.26
	-9.5	-10	171.6	67.94	170.8	69.65	170.8	71.33	170.2	72.25	170.2	73.16	170.2	74.75
	-8.5	-9.1	175	68.65	175	70.34	174.2	71.96	174.2	72.76	174.2	73.67	172.2	74.34
	-7	-7.6	181.2	69.73	181.2	71.33	180.4	73.04	180.4	73.86	180.4	74.65	172.2	71.03
	-5	-5.6	191	71.25	190.4	72.76	190.4	74.34	189.6	75.16	184.8	72.76	172.2	66.72
	-3	-3.7	200.2	72.66	200.2	74.06	198	74.34	191	71.44	184.8	68.53	172.2	62.92
	0	-0.7	216.8	74.75	210.6	72.86	198	67.53	191	64.81	184.8	62.29	172.2	57.19
	3	2.2	223	71.15	210.6	66.31	198	61.50	191	59.20	184.8	56.78	172.2	52.35
	5	4.1	223	66.92	210.6	62.39	198	57.98	191	55.66	184.8	53.65	172.2	49.34
	7	6	223	62.92	210.6	58.79	198	54.56	191	52.57	184.8	50.56	172.2	46.61
	9	7.9	223	59.30	210.6	55.27	198	51.45	191	49.62	184.8	47.73	172.2	44.11
	11	9.8	223	55.88	210.6	52.16	198	48.63	191	46.84	184.8	45.13	172.2	41.69
	13	11.8	223	52.57	210.6	49.26	198	45.82	191	44.22	184.8	42.59	172.2	39.40
	15	13.7	223	49.62	210.6	46.43	198	43.40	191	41.92	184.8	40.39	172.2	37.38
80%	-19.8	-20	139	64.52	138.2	66.41	138.2	68.33	138.2	69.24	137.6	70.24	137.6	72.05
	-18.8	-19	141.2	65.11	141.2	67.02	140.4	68.83	140.4	69.85	140.4	70.74	139.6	72.66
	-16.7	-17	146.6	66.41	146	68.24	146	70.03	146	70.95	146	71.84	145.2	73.57
	-13.7	-15	153	67.84	152.2	69.55	152.2	71.25	152.2	72.05	151.4	72.96	151.4	74.75
	-11.8	-13	159.2	69.14	159.2	70.85	158.4	72.45	158.4	73.27	158.4	74.16	153.6	72.15
	-9.8	-11	166.8	70.54	166.8	72.15	166.2	73.75	166.2	74.46	165	74.34	153.6	68.12
	-9.5	-10	171.2	71.25	170.4	72.76	170.4	74.34	170.4	75.16	165	72.15	153.6	66.11
	-8.5	-9.1	174.6	71.96	162.4	73.45	173.8	74.87	170.4	73.16	165	70.24	153.6	64.40
	-7	-7.6	180.8	72.96	180.8	74.34	176	72.76	170.4	69.95	165	67.13	153.6	61.62
	-5	-5.6	190.6	74.26	187	73.86	176	68.33	170.4	65.72	165	63.10	153.6	57.98
	-3	-3.7	198.4	74.65	187	69.55	176	64.40	170.4	61.98	165	59.48	153.6	54.77
	0	-0.7	198.4	67.72	187	63.10	176	58.59	170.4	56.37	165	54.16	153.6	49.93
	3	2.2	198.4	61.70	187	57.59	176	53.57	170.4	51.55	165	49.62	153.6	45.72
	5	4.1	198.4	58.08	187	54.28	176	50.44	170.4	48.63	165	46.84	153.6	43.22
	7	6	198.4	54.77	187	51.25	176	47.63	170.4	46.02	165	44.32	153.6	40.90
	9	7.9	198.4	51.64	187	48.32	176	45.01	170.4	43.40	165	41.92	153.6	38.79
	11	9.8	198.4	48.85	187	45.62	176	42.59	170.4	41.11	165	39.68	153.6	36.78
	13	11.8	198.4	46.02	187	43.12	176	40.29	170.4	38.89	165	37.49	153.6	34.76
	15	13.7	198.4	43.52	187	40.90	176	38.20	170.4	36.90	165	35.58	153.6	33.05

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	138	68.73	137.2	70.34	137.2	71.96	137.2	72.76	137.2	73.67	133.8	72.86
	-18.8	-19	140	69.24	140	70.85	139.4	72.45	139.4	73.27	139.4	74.16	133.8	71.33
	-16.7	-17	145.6	70.34	145.6	71.96	144.8	73.57	144.8	74.34	143.6	66.23	133.8	68.02
	-13.7	-15	151.8	71.56	151.2	73.16	151.2	74.65	148.4	73.57	143.6	70.54	133.8	64.71
	-11.8	-13	158	72.76	158	74.26	154	72.45	148.4	69.65	143.6	66.82	133.8	61.31
	-9.8	-11	165.8	73.98	163.8	73.98	154	68.43	148.4	65.83	143.6	63.20	133.8	57.98
	-9.5	-10	170	74.65	163.8	71.74	154	66.41	148.4	63.91	143.6	61.39	133.8	56.37
	-8.5	-9.1	173.4	75.05	163.8	69.85	154	64.71	148.4	62.21	143.6	59.79	133.8	54.95
	-7	-7.6	173.4	71.66	163.8	66.72	154	61.90	148.4	59.60	143.6	57.19	133.8	52.65
	-5	-5.6	173.4	67.31	163.8	62.80	154	58.28	148.4	55.97	143.6	54.62	133.8	49.62
	-3	-3.7	173.4	63.41	163.8	59.20	154	54.95	148.4	52.86	143.6	50.84	133.8	46.94
	0	-0.7	173.4	57.67	163.8	53.95	154	50.15	148.4	48.32	143.6	46.53	133.8	43.00
	3	2.2	173.4	52.75	163.8	49.34	154	46.02	148.4	44.32	143.6	42.71	133.8	39.50
	5	4.1	173.4	49.74	163.8	46.53	154	43.52	148.4	41.92	143.6	40.39	133.8	37.38
	7	6	173.4	47.02	163.8	44.01	154	41.11	148.4	39.68	143.6	38.28	133.8	35.47
	9	7.9	173.4	44.42	163.8	41.69	154	38.89	148.4	37.57	143.6	36.27	133.8	33.66
	11	9.8	173.4	42.00	163.8	39.40	154	36.90	148.4	35.68	143.6	34.48	133.8	31.96
	13	11.8	173.4	39.68	163.8	37.26	154	34.88	148.4	33.77	143.6	32.57	133.8	30.35
	15	13.7	173.4	37.67	163.8	35.37	154	33.16	148.4	32.06	143.6	30.94	133.8	28.93
60%	-19.8	-20	137.6	72.86	136.8	74.26	132	71.44	128	68.65	123.6	65.93	115.2	60.40
	-18.8	-19	139.6	73.35	139.6	74.75	132	69.95	128	67.13	123.6	64.40	115.2	59.20
	-16.7	-17	145.2	74.34	140.4	71.96	132	66.72	128	64.12	123.6	61.62	115.2	56.58
	-13.7	-15	148.8	73.57	140.4	68.33	132	63.41	128	60.99	123.6	58.59	115.2	53.87
	-11.8	-13	148.8	69.55	140.4	64.71	132	60.09	128	57.88	123.6	55.58	115.2	51.45
	-9.8	-11	148.8	65.72	140.4	61.21	132	56.88	128	54.77	123.6	52.65	115.2	48.55
	-9.5	-10	148.8	63.91	140.4	59.60	132	55.27	128	53.26	123.6	51.25	115.2	47.24
	-8.5	-9.1	148.8	62.21	140.4	57.98	132	53.95	128	51.94	123.6	49.93	115.2	46.02
	-7	-7.6	148.8	59.48	140.4	55.58	132	51.64	128	49.74	123.6	47.83	115.2	44.22
	-5	-5.6	148.8	55.97	140.4	52.35	132	48.73	128	46.94	123.6	45.23	115.2	41.80
	-3	-3.7	148.8	52.86	140.4	49.44	132	46.02	128	44.42	123.6	42.81	115.2	39.58
	0	-0.7	148.8	48.32	140.4	45.23	132	42.20	128	40.80	123.6	39.28	115.2	36.37
	3	2.2	148.8	44.32	140.4	41.59	132	38.89	128	37.49	123.6	36.19	115.2	33.56
	5	4.1	148.8	41.92	140.4	39.28	132	36.78	128	35.58	123.6	34.25	115.2	31.86
	7	6	148.8	39.68	140.4	37.26	132	34.88	128	33.66	123.6	32.57	115.2	30.23
	9	7.9	148.8	37.57	140.4	35.27	132	33.05	128	32.06	123.6	30.86	115.2	28.85
	11	9.8	148.8	35.68	140.4	33.56	132	31.45	128	30.45	123.6	29.33	115.2	27.44
	13	11.8	148.8	33.66	140.4	31.75	132	29.84	128	28.93	123.6	27.93	115.2	26.12
	15	13.7	148.8	32.06	140.4	30.15	132	28.44	128	27.55	123.6	26.63	115.2	24.90
50%	-19.8	-20	124	66.31	117	61.70	110	57.29	106	55.17	102.4	53.06	95.4	48.85
	-18.8	-19	124	64.81	117	60.40	110	56.17	106	54.05	102.4	51.94	95.4	47.94
	-16.7	-17	124	61.90	117	57.67	110	53.65	106	51.64	102.4	49.74	95.4	45.92
	-13.7	-15	124	58.89	117	54.95	110	51.15	106	49.26	102.4	47.43	95.4	43.81
	-11.8	-13	124	55.97	117	52.27	110	48.63	106	46.84	102.4	45.13	95.4	41.69
	-9.8	-11	124	52.96	117	49.54	110	46.13	106	44.42	102.4	42.81	95.4	39.68
	-9.5	-10	124	51.55	117	48.14	110	44.93	106	43.30	102.4	41.69	95.4	38.58
	-8.5	-9.1	124	50.25	117	47.02	110	43.81	106	42.30	102.4	40.80	95.4	37.67
	-7	-7.6	124	48.14	117	45.13	110	42.00	106	40.60	102.4	39.19	95.4	36.27
	-5	-5.6	124	45.41	117	42.59	110	39.80	106	38.48	102.4	37.08	95.4	34.36
	-3	-3.7	124	43.00	117	40.39	110	37.67	106	36.49	102.4	35.17	95.4	32.65
	0	-0.7	124	39.50	117	37.08	110	34.76	106	33.56	102.4	32.47	95.4	30.15
	3	2.2	124	36.37	117	34.17	110	32.06	106	30.94	102.4	29.94	95.4	27.93
	5	4.1	124	34.48	117	32.47	110	30.45	106	29.44	102.4	28.54	95.4	26.53
	7	6	124	32.77	117	30.86	110	28.93	106	28.03	102.4	27.14	95.4	25.31
	9	7.9	124	31.04	117	29.33	110	27.55	106	26.73	102.4	25.84	95.4	24.13
	11	9.8	124	29.56	117	27.85	110	26.22	106	25.43	102.4	24.62	95.4	23.01
	13	11.8	124	28.14	117	26.53	110	24.90	106	24.23	102.4	23.42	95.4	22.00
	15	13.7	124	26.73	117	25.31	110	23.83	106	23.11	102.4	22.40	95.4	21.00

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	99	50.42	93.6	46.90	88	43.52	84.6	41.92	81.8	40.31	76.2	37.12
	-18.8	-19	99	49.26	93.6	45.90	88	42.69	84.6	41.09	81.8	39.50	76.2	36.43
	-16.7	-17	99	47.06	93.6	43.83	88	40.78	84.6	39.25	81.8	37.79	76.2	34.88
	-13.7	-15	99	44.74	93.6	41.78	88	38.87	84.6	37.43	81.8	36.04	76.2	33.30
	-11.8	-13	99	42.55	93.6	39.72	88	36.96	84.6	35.60	81.8	34.29	76.2	31.69
	-9.8	-11	99	40.25	93.6	37.65	88	35.07	84.6	33.77	81.8	32.53	76.2	30.17
	-9.5	-10	99	39.17	93.6	36.59	88	34.13	84.6	32.91	81.8	31.69	76.2	29.33
	-8.5	-9.1	99	38.20	93.6	35.74	88	33.30	84.6	32.16	81.8	31.00	76.2	28.64
	-7	-7.6	99	36.59	93.6	34.29	88	31.92	84.6	30.86	81.8	29.78	76.2	27.59
	-5	-5.6	99	34.52	93.6	32.38	88	30.23	84.6	29.25	81.8	28.18	76.2	26.12
	-3	-3.7	99	32.69	93.6	30.72	88	28.64	84.6	27.73	81.8	26.73	76.2	24.82
	0	-0.7	99	30.01	93.6	28.18	88	26.43	84.6	25.51	81.8	24.68	76.2	22.91
	3	2.2	99	27.65	93.6	25.96	88	24.35	84.6	23.52	81.8	22.75	76.2	21.22
	5	4.1	99	26.20	93.6	24.68	88	23.15	84.6	22.38	81.8	21.69	76.2	20.17
	7	6	99	24.90	93.6	23.46	88	22.00	84.6	21.30	81.8	20.61	76.2	19.25
30%	9	7.9	99	23.60	93.6	22.30	88	20.92	84.6	20.33	81.8	19.62	76.2	18.32
	11	9.8	99	22.44	93.6	21.14	88	19.92	84.6	19.31	81.8	18.72	76.2	17.50
	13	11.8	99	21.39	93.6	20.17	88	18.95	84.6	18.40	81.8	17.79	76.2	16.71
	15	13.7	99	20.33	93.6	19.25	88	18.09	84.6	17.56	81.8	17.02	76.2	15.96
	-19.8	-20	74.4	37.00	70	34.44	66	25.57	63.4	30.78	61.4	29.60	57.2	27.26
	-18.8	-19	74.4	36.16	70	33.71	66	25.09	63.4	30.17	61.4	28.99	57.2	26.73
	-16.7	-17	74.4	34.54	70	32.20	66	23.95	63.4	28.83	61.4	27.77	57.2	25.61
	-13.7	-15	74.4	32.87	70	30.68	66	22.83	63.4	27.48	61.4	26.47	57.2	24.46
	-11.8	-13	74.4	31.23	70	29.15	66	21.71	63.4	26.12	61.4	25.17	57.2	23.28
	-9.8	-11	74.4	29.56	70	27.65	66	20.59	63.4	24.78	61.4	23.89	57.2	22.16
	-9.5	-10	74.4	28.77	70	26.85	66	20.06	63.4	24.17	61.4	23.28	57.2	21.53
	-8.5	-9.1	74.4	28.03	70	26.24	66	19.56	63.4	23.60	61.4	22.75	57.2	21.04
	-7	-7.6	74.4	26.85	70	25.17	66	18.76	63.4	22.65	61.4	21.85	57.2	20.25
	-5	-5.6	74.4	25.35	70	23.78	66	17.77	63.4	21.49	61.4	20.69	57.2	19.17
	-3	-3.7	74.4	24.01	70	22.52	66	16.83	63.4	20.37	61.4	19.62	57.2	18.21
	0	-0.7	74.4	22.04	70	20.69	66	15.53	63.4	18.72	61.4	18.09	57.2	16.83
20%	3	2.2	74.4	20.29	70	19.07	66	14.31	63.4	17.28	61.4	16.71	57.2	15.59
	5	4.1	74.4	19.23	70	18.09	66	13.60	63.4	16.43	61.4	15.94	57.2	14.82
	7	6	74.4	18.28	70	17.20	66	12.91	63.4	15.63	61.4	15.15	57.2	14.15
	9	7.9	74.4	17.32	70	16.39	66	12.28	63.4	14.92	61.4	14.41	57.2	13.46
	11	9.8	74.4	16.49	70	15.53	66	11.69	63.4	14.19	61.4	13.74	57.2	12.85
	13	11.8	74.4	15.71	70	14.82	66	11.12	63.4	13.52	61.4	13.07	57.2	12.28
	15	13.7	74.4	14.92	70	14.15	66	10.63	63.4	12.89	61.4	12.50	57.2	11.73
	-19.8	-20	49.6	23.87	46.8	22.22	44	20.61	42.2	19.84	41	19.11	38.2	17.58
	-18.8	-19	49.6	23.34	46.8	21.73	44	20.23	42.2	19.48	41	18.70	38.2	17.26
	-16.7	-17	49.6	22.30	46.8	20.78	44	19.31	42.2	18.58	41	17.91	38.2	16.53
	-13.7	-15	49.6	21.18	46.8	19.80	44	18.42	42.2	17.73	41	17.08	38.2	15.78
	-11.8	-13	49.6	20.15	46.8	18.80	44	17.50	42.2	16.85	41	16.24	38.2	15.00
	-9.8	-11	49.6	19.07	46.8	17.83	44	16.61	42.2	15.98	41	15.41	38.2	14.29
	-9.5	-10	49.6	18.54	46.8	17.32	44	16.16	42.2	15.59	41	15.00	38.2	13.88
	-8.5	-9.1	49.6	18.09	46.8	16.93	44	15.78	42.2	15.23	41	14.70	38.2	13.56
	-7	-7.6	49.6	17.32	46.8	16.24	44	15.12	42.2	14.62	41	14.11	38.2	13.07
	-5	-5.6	49.6	16.34	46.8	15.35	44	14.33	42.2	13.84	41	13.36	38.2	12.36
	-3	-3.7	49.6	15.49	46.8	14.56	44	13.56	42.2	13.13	41	12.66	38.2	11.77
	0	-0.7	49.6	14.21	46.8	13.36	44	12.52	42.2	12.10	41	11.69	38.2	10.86
	3	2.2	49.6	13.09	46.8	12.30	44	11.55	42.2	11.14	41	10.79	38.2	10.06
	5	4.1	49.6	12.40	46.8	11.69	44	10.96	42.2	10.61	41	10.27	38.2	9.55
	7	6	49.6	11.79	46.8	11.10	44	10.43	42.2	10.08	41	9.76	38.2	9.13
	9	7.9	49.6	11.18	46.8	10.57	44	9.90	42.2	9.62	41	9.31	38.2	8.68
	11	9.8	49.6	10.63	46.8	10.02	44	9.45	42.2	9.15	41	8.86	38.2	8.29
	13	11.8	49.6	10.12	46.8	9.55	44	8.97	42.2	8.72	41	8.42	38.2	7.93
	15	13.7	49.6	9.62	46.8	9.13	44	8.56	42.2	8.31	41	22.40	38.2	7.56

Note: TC: Total capacity, PI: Power input.

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**■ TMR760ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	142.4	44.31	141.8	47.47	141.2	50.65	141.2	52.18	140.4	53.71	140.4	56.87
	-18.8	-19	144.6	45.32	143.8	48.40	143.8	51.56	143	53.11	143	54.52	142.4	57.70
	-16.7	-17	150.2	47.47	149.6	50.43	148.8	53.42	148.8	54.83	148.8	56.38	148	59.33
	-13.7	-15	156.6	49.64	155.8	52.47	155	55.34	155	56.79	154.4	58.21	154.4	61.06
	-11.8	-13	162.8	51.87	162.8	54.62	162	57.28	161.4	58.71	161.4	60.16	160.6	62.80
	-9.8	-11	170.4	54.12	169.8	56.79	169	59.33	169	60.65	169	61.97	168.4	64.64
	-9.5	-10	174.6	55.34	173.8	57.80	173.2	60.34	173.2	61.66	172.4	62.90	172.4	65.44
	-8.5	-9.1	178.2	56.25	177.4	58.71	177.4	61.27	176.8	62.49	176.8	63.71	176	66.27
	-7	-7.6	184.4	57.88	184.4	60.34	183.6	62.70	183.6	63.94	183	65.03	182.2	67.49
	-5	-5.6	194.2	60.16	193.6	62.39	192.8	64.64	192.8	65.86	192	66.89	192	69.12
	-3	-3.7	203.2	62.08	202.4	64.23	202.4	66.37	201.8	67.49	201.8	68.63	201	70.67
	0	-0.7	219.2	65.03	219.2	67.08	218.6	69.04	218.6	69.84	217.8	71.08	217.8	73.13
	3	2.2	236.8	67.80	236	69.64	235.4	71.48	235.4	72.41	235.4	73.42	234.6	75.17
	5	4.1	248.6	69.43	248	71.27	248	73.01	247.2	73.93	247.2	74.76	246.4	76.50
	7	6	261.2	71.17	260.4	72.72	260.4	74.45	259.6	75.26	259.6	76.08	249.4	78.13
	9	7.9	274.4	72.59	273.8	74.22	273.8	75.77	273.2	76.58	267.6	74.95	249.4	68.63
	11	9.8	288.6	74.04	287.8	75.55	286.4	76.50	276.6	73.52	267.6	70.44	249.4	64.64
	13	11.8	303.6	75.46	303.2	76.89	286.4	71.68	276.6	68.81	267.6	66.17	249.4	60.65
	15	13.7	318.4	76.79	304.4	72.82	286.4	67.49	276.6	64.95	267.6	62.30	249.4	57.28
120%	-19.8	-20	141.8	48.61	141.2	51.46	140.4	54.43	140.4	55.76	140.4	57.28	139.6	60.16
	-18.8	-19	143.8	49.52	143	52.39	143	55.24	142.6	56.56	142.6	58.11	141.8	60.96
	-16.7	-17	149.6	51.46	148.8	54.23	147.8	56.87	148	58.30	148	59.74	147.4	62.39
	-13.7	-15	155.8	53.50	155	56.17	154.4	58.71	154.4	60.16	154.4	61.37	153.6	64.02
	-11.8	-13	162	55.55	162	58.11	161.4	60.57	161.4	61.89	160.6	63.11	160.6	65.67
	-9.8	-11	169.8	57.70	169	60.03	169	62.49	168.4	63.71	168.4	64.85	167.6	67.30
	-9.5	-10	173.8	58.71	173.2	61.06	172.4	63.40	172.4	64.64	172.4	65.75	172	68.11
	-8.5	-9.1	177.4	59.62	176.8	61.89	176.8	64.23	176	65.34	176	66.58	175.2	68.81
	-7	-7.6	183.6	61.17	183.6	63.40	183	65.57	183	66.68	182.2	67.80	182.2	69.95
	-5	-5.6	193.6	63.11	192.8	65.26	192	67.39	192	68.40	192	69.53	191.4	71.48
	-3	-3.7	202.4	65.03	202.4	67.08	201.8	69.04	201.8	69.95	201.2	71.08	201.2	73.01
	0	-0.7	218.6	67.80	218.6	69.64	217.8	71.48	217.8	72.41	217.2	73.31	217.2	75.17
	3	2.2	236	70.36	235.4	71.99	235.4	73.73	234.6	74.64	234.6	75.46	229.8	75.05
	5	4.1	248	71.89	247.2	73.52	247.2	75.17	246.4	75.96	246.4	76.79	229.8	70.44
	7	6	260.4	73.31	260.4	74.86	260	76.37	255.6	75.36	247.2	72.30	229.8	66.27
	9	7.9	273.8	74.76	273.2	76.27	264	73.73	255.6	70.77	247.2	67.90	229.8	62.39
	11	9.8	287.8	76.08	280.8	74.76	264	69.35	255.6	66.68	247.2	63.94	229.8	58.81
	13	11.8	298.2	75.36	280.8	70.15	264	65.03	255.6	62.61	247.2	60.16	229.8	55.34
	15	13.7	298.2	70.98	280.8	66.06	264	61.37	255.6	58.92	247.2	56.66	229.8	52.18
110%	-19.8	-20	141.2	52.88	140.4	55.45	139.6	58.11	139.6	59.43	139.8	60.75	139	63.40
	-18.8	-19	143	53.71	142.6	56.25	142.6	58.92	142.6	60.16	141.8	61.48	141.8	64.12
	-16.7	-17	148.8	55.45	148	58.01	150.2	60.57	147.4	61.79	147.4	62.99	146.6	65.44
	-13.7	-15	155	57.39	154.4	59.74	153.6	62.20	153.6	63.40	153.6	64.64	153	66.99
	-11.8	-13	161.4	59.33	161.4	61.58	160.6	63.81	160.6	65.03	160	66.17	160	68.52
	-9.8	-11	169	61.17	168.4	63.40	168.4	65.57	167.6	66.68	167.6	67.80	167.6	69.95
	-9.5	-10	173.2	62.20	172.4	64.23	171.6	66.48	171.6	67.49	171.6	68.63	171.2	70.77
	-8.5	-9.1	176.8	62.99	176	65.03	176	67.18	175.2	68.32	175.2	69.35	175.2	73.21
	-7	-7.6	183	64.43	183	66.37	182.2	68.40	182.2	69.43	182.2	70.44	181.6	72.49
	-5	-5.6	192.8	66.27	192	68.21	191.4	70.05	191.4	71.08	191.4	71.99	190.6	74.04
	-3	-3.7	201.8	67.90	201.8	69.76	201.2	71.58	201.2	72.49	200.6	73.42	200.6	75.26
	0	-0.7	217.8	70.44	217.8	72.18	217.2	73.93	217.2	74.76	217.2	75.55	210.8	74.14
	3	2.2	235.4	72.82	234.6	74.35	234.6	75.96	234	76.68	226.2	73.52	210.8	67.49
	5	4.1	247.2	74.22	247.2	75.77	242.4	75.05	234	71.99	226.2	69.12	210.8	63.40
	7	6	259.6	75.55	257.8	76.08	242.4	70.44	234	67.72	226.2	65.03	210.8	59.74
	9	7.9	273.2	76.79	257.8	71.48	242.4	66.27	234	63.71	226.2	61.17	210.8	56.25
	11	9.8	273.2	72.30	257.8	67.30	242.4	62.39	234	60.03	226.2	57.70	210.8	53.11
	13	11.8	273.2	67.80	257.8	63.11	242.4	58.61	234	56.48	226.2	54.23	210.8	50.05
	15	13.7	273.2	60.16	257.8	59.54	242.4	55.34	234	53.30	226.2	51.25	210.8	47.29

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	140.4	57.08	139.6	59.43	139.6	61.89	139	63.11	139	64.23	138.2	66.68
	-18.8	-19	142.6	57.80	142.6	60.16	141.8	62.61	141.8	63.81	141.2	65.03	141.2	67.39
	-16.7	-17	148	59.43	147.4	61.79	147.4	64.02	146.6	65.15	146.6	66.27	146.6	68.63
	-13.7	-15	154.4	61.17	153.6	63.40	153	65.57	153	66.68	153	67.80	152.2	69.95
	-11.8	-13	160.6	62.99	160.6	65.03	160	67.08	160	68.21	160	69.22	159.2	71.37
	-9.8	-11	168.4	64.64	167.6	66.68	167.6	68.73	167.6	69.76	166.8	70.67	166.8	72.72
	-9.5	-10	172.4	65.57	172	67.49	172	69.43	171.2	70.44	171.2	71.48	170.4	73.42
	-8.5	-9.1	176	66.27	175.2	68.32	175.2	70.15	175.2	71.08	174.6	72.10	174.6	73.93
	-7	-7.6	182.2	67.59	182.2	69.43	181.6	71.27	181.6	72.30	181.6	73.13	180.8	75.05
	-5	-5.6	192	69.35	191.4	71.08	191.4	72.82	190.6	73.62	190.6	74.53	190	76.37
	-3	-3.7	201.2	70.86	201.2	73.33	200.6	74.22	200.6	75.05	200.6	75.86	192	72.72
	0	-0.7	217.2	73.13	217.2	74.76	216.4	76.27	213	75.05	206	71.89	192	65.98
	3	2.2	234.6	75.26	234	76.68	220	70.98	213	68.21	206	65.44	192	60.16
	5	4.1	246.4	76.68	234	71.99	220	66.68	213	64.23	206	61.66	192	56.66
	7	6	248	72.72	234	67.72	220	62.80	213	60.45	206	58.11	192	53.42
90%	9	7.9	248	68.32	234	63.71	220	59.12	213	56.17	206	54.74	192	50.43
	11	9.8	248	64.33	234	60.03	220	55.76	213	53.71	206	51.67	192	47.60
	13	11.8	248	60.45	234	56.48	220	52.47	213	50.55	206	48.71	192	44.93
	15	13.7	248	56.97	234	53.30	220	49.64	213	47.78	206	45.96	192	42.60
	-19.8	-20	139.4	61.37	138.6	63.40	138.6	65.67	138	66.68	138	67.80	138	69.95
	-18.8	-19	141.6	61.97	141.6	64.23	140.8	66.27	140.8	67.39	140.8	68.40	140.2	70.57
	-16.7	-17	147	63.52	146.4	65.57	146.4	67.59	146.4	68.63	145.6	69.64	145.6	71.68
	-13.7	-15	153.4	65.03	152.6	67.08	152.6	69.04	151.8	69.95	151.8	70.98	151.8	72.90
	-11.8	-13	159.6	66.68	159.6	68.52	159	70.36	159	71.37	159	72.30	158.4	74.14
	-9.8	-11	167.2	68.21	167.2	69.95	166.6	71.79	166.6	72.72	166.6	73.62	165.8	75.46
	-9.5	-10	171.6	69.04	170.8	70.77	170.8	72.49	170.2	73.42	170.2	74.35	170.2	75.96
	-8.5	-9.1	175	69.76	175	71.48	174.2	73.13	174.2	73.93	174.2	74.86	172.2	75.55
	-7	-7.6	181.2	70.86	181.2	72.49	180.4	74.22	180.4	75.05	180.4	75.86	172.2	72.18
	-5	-5.6	191	72.41	190.4	73.93	190.4	75.55	189.6	76.37	184.8	73.93	172.2	67.80
	-3	-3.7	200.2	73.83	200.2	75.26	198	75.55	191	72.59	184.8	69.64	172.2	63.94
80%	0	-0.7	216.8	75.96	210.6	74.04	198	68.63	191	65.86	184.8	63.30	172.2	58.11
	3	2.2	223	72.30	210.6	67.39	198	62.49	191	60.16	184.8	57.70	172.2	53.19
	5	4.1	223	68.01	210.6	63.40	198	58.92	191	56.56	184.8	54.52	172.2	50.14
	7	6	223	63.94	210.6	59.74	198	55.45	191	53.42	184.8	51.38	172.2	47.37
	9	7.9	223	60.26	210.6	56.17	198	52.29	191	50.43	184.8	48.50	172.2	44.83
	11	9.8	223	56.79	210.6	53.01	198	49.41	191	47.60	184.8	45.86	172.2	42.37
	13	11.8	223	53.42	210.6	50.05	198	46.56	191	44.93	184.8	43.28	172.2	40.03
	15	13.7	223	50.43	210.6	47.18	198	44.10	191	42.60	184.8	41.05	172.2	37.99
	-19.8	-20	139	65.57	138.2	67.49	138.2	69.43	138.2	70.36	137.6	71.37	137.6	73.21
	-18.8	-19	141.2	66.17	141.2	68.11	140.4	69.95	140.4	70.98	140.4	71.89	139.6	73.83
	-16.7	-17	146.6	67.49	146	69.35	146	71.17	146	72.10	146	73.01	145.2	74.76
	-13.7	-15	153	68.94	152.2	70.67	152.2	72.41	152.2	73.21	151.4	74.14	151.4	75.96
	-11.8	-13	159.2	70.26	159.2	71.99	158.4	73.62	158.4	74.45	158.4	75.36	153.6	73.31
	-9.8	-11	166.8	71.68	166.8	73.31	166.2	74.95	166.2	75.67	165	75.55	153.6	69.22
	-9.5	-10	171.2	72.41	170.4	73.93	170.4	75.55	170.4	76.37	165	73.31	153.6	67.18
	-8.5	-9.1	174.6	73.13	162.4	74.64	173.8	76.08	170.4	74.35	165	71.37	153.6	65.44

Note: TC: Total capacity, PI: Power input.

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# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	138	69.84	137.2	71.48	137.2	73.13	137.2	73.93	137.2	74.86	133.8	74.04
	-18.8	-19	140	70.36	140	71.99	139.4	73.62	139.4	74.45	139.4	75.36	133.8	72.49
	-16.7	-17	145.6	71.48	145.6	73.13	144.8	74.76	144.8	75.55	143.6	76.30	133.8	69.12
	-13.7	-15	151.8	72.72	151.2	74.35	151.2	75.86	148.4	74.76	143.6	71.68	133.8	65.75
	-11.8	-13	158	73.93	158	75.46	154	73.62	148.4	70.77	143.6	67.90	133.8	62.30
	-9.8	-11	165.8	75.17	163.8	75.17	154	69.53	148.4	66.89	143.6	64.23	133.8	58.92
	-9.5	-10	170	75.86	163.8	72.90	154	67.49	148.4	64.95	143.6	62.39	133.8	57.28
	-8.5	-9.1	173.4	76.27	163.8	70.98	154	65.75	148.4	63.21	143.6	60.75	133.8	55.84
	-7	-7.6	173.4	72.82	163.8	67.80	154	62.90	148.4	60.57	143.6	58.11	133.8	53.50
	-5	-5.6	173.4	68.40	163.8	63.81	154	59.23	148.4	56.87	143.6	54.30	133.8	50.43
	-3	-3.7	173.4	64.43	163.8	60.16	154	55.84	148.4	53.71	143.6	51.67	133.8	47.70
	0	-0.7	173.4	58.61	163.8	54.83	154	50.96	148.4	49.10	143.6	47.29	133.8	43.69
	3	2.2	173.4	53.61	163.8	50.14	154	46.77	148.4	45.03	143.6	43.40	133.8	40.14
	5	4.1	173.4	50.55	163.8	47.29	154	44.23	148.4	42.60	143.6	41.05	133.8	37.99
	7	6	173.4	47.78	163.8	44.72	154	41.77	148.4	40.32	143.6	38.90	133.8	36.05
	9	7.9	173.4	45.14	163.8	42.37	154	39.52	148.4	38.18	143.6	36.85	133.8	34.21
60%	-19.8	-20	137.6	74.04	136.8	75.46	132	72.59	128	69.76	123.6	66.99	115.2	61.37
	-18.8	-19	139.6	74.53	139.6	75.96	132	71.08	128	68.21	123.6	65.44	115.2	60.16
	-16.7	-17	145.2	75.55	140.4	73.13	132	67.80	128	65.15	123.6	62.61	115.2	57.49
	-13.7	-15	148.8	74.76	140.4	69.43	132	64.43	128	61.97	123.6	59.54	115.2	54.74
	-11.8	-13	148.8	70.67	140.4	65.75	132	61.06	128	58.81	123.6	56.48	115.2	52.29
	-9.8	-11	148.8	66.79	140.4	62.20	132	57.80	128	55.65	123.6	53.50	115.2	49.33
	-9.5	-10	148.8	64.95	140.4	60.57	132	56.17	128	54.12	123.6	52.08	115.2	48.01
	-8.5	-9.1	148.8	63.21	140.4	58.92	132	54.83	128	52.78	123.6	50.74	115.2	46.77
	-7	-7.6	148.8	60.45	140.4	56.48	132	52.47	128	50.55	123.6	48.61	115.2	44.93
	-5	-5.6	148.8	56.87	140.4	53.19	132	49.52	128	47.70	123.6	45.96	115.2	42.47
	-3	-3.7	148.8	53.71	140.4	50.24	132	46.77	128	45.14	123.6	43.51	115.2	40.22
	0	-0.7	148.8	49.10	140.4	45.96	132	42.89	128	41.46	123.6	39.91	115.2	36.96
	3	2.2	148.8	45.03	140.4	42.27	132	39.52	128	38.09	123.6	36.77	115.2	34.11
	5	4.1	148.8	42.60	140.4	39.91	132	37.37	128	36.15	123.6	34.81	115.2	32.37
	7	6	148.8	40.32	140.4	37.87	132	35.45	128	34.21	123.6	33.09	115.2	30.72
	9	7.9	148.8	38.18	140.4	35.84	132	33.59	128	32.58	123.6	31.36	115.2	29.31
50%	-19.8	-20	124	67.39	117	62.70	110	58.21	106	56.07	102.4	53.92	95.4	49.64
	-18.8	-19	124	65.86	117	61.37	110	57.08	106	54.93	102.4	52.78	95.4	48.71
	-16.7	-17	124	62.90	117	58.61	110	54.52	106	52.47	102.4	50.55	95.4	46.67
	-13.7	-15	124	59.85	117	55.84	110	51.98	106	50.05	102.4	48.19	95.4	44.52
	-11.8	-13	124	56.87	117	53.11	110	49.41	106	47.60	102.4	45.86	95.4	42.37
	-9.8	-11	124	53.81	117	50.34	110	46.87	106	45.14	102.4	43.51	95.4	40.32
	-9.5	-10	124	52.39	117	48.92	110	45.65	106	44.00	102.4	42.37	95.4	39.21
	-8.5	-9.1	124	51.07	117	47.78	110	44.52	106	42.99	102.4	41.46	95.4	38.28
	-7	-7.6	124	48.92	117	45.86	110	42.68	106	41.25	102.4	39.83	95.4	36.85
	-5	-5.6	124	46.15	117	43.28	110	40.45	106	39.11	102.4	37.68	95.4	34.91
	-3	-3.7	124	43.69	117	41.05	110	38.28	106	37.08	102.4	35.74	95.4	33.18
	0	-0.7	124	40.14	117	37.68	110	35.33	106	34.11	102.4	32.99	95.4	30.64
	3	2.2	124	36.96	117	34.73	110	32.58	106	31.44	102.4	30.43	95.4	28.38
	5	4.1	124	35.04	117	32.99	110	30.95	106	29.91	102.4	29.00	95.4	26.96
	7	6	124	33.30	117	31.36	110	29.40	106	28.49	102.4	27.58	95.4	25.72
	9	7.9	124	31.54	117	29.81	110	27.99	106	27.17	102.4	26.26	95.4	24.52
	11	9.8	124	30.04	117	28.30	110	26.65	106	25.84	102.4	25.02	95.4	23.38
	13	11.8	124	28.59	117	26.96	110	25.31	106	24.62	102.4	23.80	95.4	22.35
	15	13.7	124	27.17	117	25.72	110	24.21	106	23.49	102.4	22.77	95.4	21.34

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	99	51.23	93.6	47.66	88	44.23	84.6	42.60	81.8	40.96	76.2	37.72
	-18.8	-19	99	50.05	93.6	46.65	88	43.38	84.6	41.75	81.8	40.14	76.2	37.02
	-16.7	-17	99	47.82	93.6	44.54	88	41.44	84.6	39.89	81.8	38.40	76.2	35.45
	-13.7	-15	99	45.47	93.6	42.45	88	39.50	84.6	38.03	81.8	36.63	76.2	33.84
	-11.8	-13	99	43.24	93.6	40.37	88	37.56	84.6	36.17	81.8	34.85	76.2	32.21
	-9.8	-11	99	40.90	93.6	38.26	88	35.63	84.6	34.31	81.8	33.05	76.2	30.66
	-9.5	-10	99	39.81	93.6	37.18	88	34.68	84.6	33.45	81.8	32.21	76.2	29.81
	-8.5	-9.1	99	38.82	93.6	36.32	88	33.84	84.6	32.68	81.8	31.50	76.2	29.11
	-7	-7.6	99	37.18	93.6	34.85	88	32.43	84.6	31.36	81.8	30.26	76.2	28.03
	-5	-5.6	99	35.08	93.6	32.91	88	30.72	84.6	29.73	81.8	28.63	76.2	26.55
	-3	-3.7	99	33.22	93.6	31.21	88	29.11	84.6	28.18	81.8	27.17	76.2	25.22
	0	-0.7	99	30.49	93.6	28.63	88	26.86	84.6	25.93	81.8	25.08	76.2	23.28
	3	2.2	99	28.10	93.6	26.38	88	24.75	84.6	23.90	81.8	23.12	76.2	21.57
	5	4.1	99	26.63	93.6	25.08	88	23.53	84.6	22.74	81.8	22.04	76.2	20.49
	7	6	99	25.31	93.6	23.84	88	22.35	84.6	21.65	81.8	20.95	76.2	19.56
30%	9	7.9	99	23.98	93.6	22.66	88	21.26	84.6	20.66	81.8	19.93	76.2	18.61
	11	9.8	99	22.81	93.6	21.48	88	20.24	84.6	19.63	81.8	19.03	76.2	17.79
	13	11.8	99	21.73	93.6	20.49	88	19.25	84.6	18.70	81.8	18.08	76.2	16.98
	15	13.7	99	20.66	93.6	19.56	88	18.39	84.6	17.85	81.8	17.29	76.2	16.22
	-19.8	-20	74.4	37.60	70	34.99	66	25.99	63.4	31.28	61.4	30.08	57.2	27.70
	-18.8	-19	74.4	36.75	70	34.25	66	25.49	63.4	30.66	61.4	29.46	57.2	27.17
	-16.7	-17	74.4	35.10	70	32.72	66	24.33	63.4	29.29	61.4	28.22	57.2	26.03
	-13.7	-15	74.4	33.40	70	31.17	66	23.20	63.4	27.93	61.4	26.90	57.2	24.85
	-11.8	-13	74.4	31.73	70	29.62	66	22.06	63.4	26.55	61.4	25.57	57.2	23.65
	-9.8	-11	74.4	30.04	70	28.10	66	20.93	63.4	25.18	61.4	24.27	57.2	22.52
	-9.5	-10	74.4	29.23	70	27.29	66	20.39	63.4	24.56	61.4	23.65	57.2	21.88
	-8.5	-9.1	74.4	28.49	70	26.67	66	19.87	63.4	23.98	61.4	23.12	57.2	21.38
	-7	-7.6	74.4	27.29	70	25.57	66	19.07	63.4	23.01	61.4	22.21	57.2	20.58
	-5	-5.6	74.4	25.76	70	24.17	66	18.05	63.4	21.84	61.4	21.03	57.2	19.48
	-3	-3.7	74.4	24.40	70	22.89	66	17.10	63.4	20.70	61.4	19.93	57.2	18.51
	0	-0.7	74.4	22.39	70	21.03	66	15.78	63.4	19.03	61.4	18.39	57.2	17.10
20%	3	2.2	74.4	20.62	70	19.38	66	14.54	63.4	17.56	61.4	16.98	57.2	15.84
	5	4.1	74.4	19.54	70	18.39	66	13.82	63.4	16.69	61.4	16.20	57.2	15.06
	7	6	74.4	18.57	70	17.48	66	13.12	63.4	15.89	61.4	15.39	57.2	14.38
	9	7.9	74.4	17.60	70	16.65	66	12.48	63.4	15.16	61.4	14.65	57.2	13.67
	11	9.8	74.4	16.75	70	15.78	66	11.88	63.4	14.42	61.4	13.96	57.2	13.06
	13	11.8	74.4	15.97	70	15.06	66	11.30	63.4	13.74	61.4	13.28	57.2	12.48
	15	13.7	74.4	15.16	70	14.38	66	10.80	63.4	13.10	61.4	12.70	57.2	11.92
	-19.8	-20	49.6	24.25	46.8	22.58	44	20.95	42.2	20.16	41	19.42	38.2	17.87
	-18.8	-19	49.6	23.72	46.8	22.08	44	20.55	42.2	19.79	41	19.00	38.2	17.54
	-16.7	-17	49.6	22.66	46.8	21.11	44	19.63	42.2	18.88	41	18.20	38.2	16.79
	-13.7	-15	49.6	21.53	46.8	20.12	44	18.72	42.2	18.01	41	17.35	38.2	16.03
	-11.8	-13	49.6	20.47	46.8	19.11	44	17.79	42.2	17.13	41	16.51	38.2	15.25
	-9.8	-11	49.6	19.38	46.8	18.12	44	16.88	42.2	16.24	41	15.66	38.2	14.52
	-9.5	-10	49.6	18.84	46.8	17.60	44	16.42	42.2	15.84	41	15.25	38.2	14.11
	-8.5	-9.1	49.6	18.39	46.8	17.21	44	16.03	42.2	15.47	41	14.94	38.2	13.78
	-7	-7.6	49.6	17.60	46.8	16.51	44	15.37	42.2	14.85	41	14.34	38.2	13.28
	-5	-5.6	49.6	16.61	46.8	15.60	44	14.56	42.2	14.07	41	13.57	38.2	12.56
	-3	-3.7	49.6	15.74	46.8	14.79	44	13.78	42.2	13.35	41	12.87	38.2	11.96
	0	-0.7	49.6	14.44	46.8	13.57	44	12.72	42.2	12.29	41	11.88	38.2	11.03
	3	2.2	49.6	13.30	46.8	12.50	44	11.73	42.2	11.32	41	10.97	38.2	10.23
	5	4.1	49.6	12.60	46.8	11.88	44	11.13	42.2	10.78	41	10.43	38.2	9.71
	7	6	49.6	11.98	46.8	11.28	44	10.60	42.2	10.25	41	9.92	38.2	9.28
	9	7.9	49.6	11.36	46.8	10.74	44	10.06	42.2	9.77	41	9.46	38.2	8.82
	11	9.8	49.6	10.80	46.8	10.18	44	9.61	42.2	9.30	41	9.01	38.2	8.43
	13	11.8	49.6	10.29	46.8	9.71	44	9.11	42.2	8.86	41	8.55	38.2	8.06
	15	13.7	49.6	9.77	46.8	9.28	44	8.70	42.2	8.45	41	8.14	38.2	7.68

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR780ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	148.8	45.58	148.3	48.84	147.6	52.11	147.6	53.67	146.8	55.26	146.8	58.50
	-18.8	-19	151.1	46.62	150.3	49.78	150.3	53.04	149.5	54.64	149.5	56.08	148.8	59.35
	-16.7	-17	157.1	48.84	156.4	51.87	155.6	54.95	155.6	56.39	155.6	57.99	154.8	61.02
	-13.7	-15	163.7	51.06	162.9	53.98	162.1	56.93	162.1	58.41	161.4	59.89	161.4	62.81
	-11.8	-13	170.2	53.36	170.2	56.19	169.4	58.92	168.7	60.39	168.7	61.88	167.9	64.60
	-9.8	-11	178.2	55.68	177.5	58.41	176.7	61.02	176.7	62.39	176.7	63.75	176	66.50
	-9.5	-10	182.5	56.93	181.7	59.46	181	62.07	181	63.43	180.2	64.71	180.2	67.32
	-8.5	-9.1	186.3	57.87	185.5	60.39	185.5	63.04	184.8	64.29	184.8	65.53	184	68.18
	-7	-7.6	192.8	59.54	192.8	62.07	192	64.49	192	65.77	191.3	66.90	190.5	69.42
	-5	-5.6	203.1	61.88	202.4	64.17	201.6	66.50	201.6	67.75	200.8	68.81	200.8	71.10
	-3	-3.7	212.4	63.86	211.6	66.07	211.6	68.27	210.9	69.42	210.9	70.59	210.1	72.70
	0	-0.7	229.2	66.90	229.2	69.00	228.5	71.02	228.5	71.84	227.7	73.12	227.7	75.22
	3	2.2	247.6	69.74	246.8	71.64	246.1	73.52	246.1	74.48	246.1	75.53	245.3	77.33
	5	4.1	259.9	71.42	259.2	73.31	259.2	75.10	258.4	76.05	258.4	76.90	257.6	78.69
	7	6	273	73.20	272.2	74.80	272.2	76.59	271.4	77.41	271.4	78.26	260.7	75.22
	9	7.9	286.8	74.68	286.3	76.35	286.3	77.95	285.6	78.77	279.8	77.09	260.7	70.59
	11	9.8	301.7	76.16	300.9	77.71	299.4	78.69	289.1	75.62	279.8	72.46	260.7	66.50
	13	11.8	317.4	77.63	317	79.08	299.4	73.74	289.1	70.79	279.8	68.06	260.7	62.39
	15	13.7	332.8	78.99	318.2	74.91	299.4	69.42	289.1	66.81	279.8	64.09	260.7	58.92
120%	-19.8	-20	148.3	50.00	147.6	52.93	146.8	56.00	146.8	57.36	146.8	58.92	146	61.88
	-18.8	-19	150.3	50.94	149.5	53.89	149.5	56.82	149.1	58.18	149.1	59.78	148.3	62.70
	-16.7	-17	156.4	52.93	155.6	55.77	154.5	58.50	154.8	59.97	154.8	61.45	154.1	64.17
	-13.7	-15	162.9	55.03	162.1	57.78	161.4	60.39	161.4	61.88	161.4	63.13	160.6	65.85
	-11.8	-13	169.4	57.13	169.4	59.78	168.7	62.30	168.7	63.67	167.9	64.91	167.9	67.56
	-9.8	-11	177.5	59.35	176.7	61.76	176.7	64.29	176	65.53	176	66.70	175.2	69.23
	-9.5	-10	181.7	60.39	181	62.81	180.2	65.22	180.2	66.50	180.2	67.64	179.8	70.05
	-8.5	-9.1	185.5	61.33	184.8	63.67	184.8	66.07	184	67.21	184	68.49	183.2	70.79
	-7	-7.6	192	62.92	192	65.22	191.3	67.44	191.3	68.60	190.5	69.74	190.5	71.95
	-5	-5.6	202.4	64.91	201.6	67.13	200.8	69.31	200.8	70.36	200.8	71.53	200.1	73.52
	-3	-3.7	211.6	66.90	211.6	69.00	210.9	71.02	210.9	71.95	210.4	73.12	210.4	75.10
	0	-0.7	228.5	69.74	228.5	71.64	227.7	73.52	227.7	74.48	227	75.42	227	77.33
	3	2.2	246.8	72.38	246.1	74.06	246.1	75.84	245.3	76.78	245.3	77.63	240.3	77.21
	5	4.1	259.2	73.94	258.4	75.62	258.4	77.33	257.6	78.14	257.6	78.99	240.3	72.46
	7	6	272.2	75.42	272.2	77.01	271.8	78.57	267.2	77.52	258.4	74.37	240.3	68.18
	9	7.9	286.3	76.90	285.6	78.45	276	75.84	267.2	72.81	258.4	69.85	240.3	64.17
	11	9.8	300.9	78.26	293.6	76.90	276	71.33	267.2	68.60	258.4	65.77	240.3	60.51
	13	11.8	311.7	77.52	293.6	72.16	276	66.90	267.2	64.41	258.4	61.88	240.3	56.93
	15	13.7	311.7	73.01	293.6	67.95	276	63.13	267.2	60.60	258.4	58.29	240.3	53.67
110%	-19.8	-20	147.6	54.40	146.8	57.04	146	59.78	146	61.14	146.1	62.50	145.3	65.22
	-18.8	-19	149.5	55.26	149.1	57.87	149.1	60.60	149.1	61.88	148.3	63.24	148.3	65.96
	-16.7	-17	155.6	57.04	154.8	59.66	157.1	62.30	154.1	63.55	154.1	64.79	153.3	67.32
	-13.7	-15	162.1	59.03	161.4	61.45	160.6	63.98	160.6	65.22	160.6	66.50	159.9	68.92
	-11.8	-13	168.7	61.02	168.7	63.35	167.9	65.65	167.9	66.90	167.2	68.06	167.2	70.48
	-9.8	-11	176.7	62.92	176	65.22	176	67.44	175.2	68.60	175.2	69.74	175.2	71.95
	-9.5	-10	181	63.98	180.2	66.07	179.4	68.38	179.4	69.42	179.4	70.59	179	72.81
	-8.5	-9.1	184.8	64.79	184	66.90	184	69.11	183.2	70.28	183.2	71.33	183.2	75.03
	-7	-7.6	191.3	66.28	191.3	68.27	190.5	70.36	190.5	71.42	190.5	72.46	189.8	74.56
	-5	-5.6	201.6	68.18	200.8	70.17	200.1	72.07	200.1	73.12	200.1	74.06	199.3	76.16
	-3	-3.7	210.9	69.85	210.9	71.76	210.4	73.63	210.4	74.56	209.7	75.53	209.7	77.41
	0	-0.7	227.7	72.46	227.7	74.25	227	76.05	227	76.90	227	77.71	220.4	76.27
	3	2.2	246.1	74.91	245.3	76.47	245.3	78.14	244.6	78.88	236.5	75.62	220.4	69.42
	5	4.1	258.4	76.35	258.4	77.95	253.4	77.21	244.6	74.06	236.5	71.10	220.4	65.22
	7	6	271.4	77.71	269.5	78.26	253.4	72.46	244.6	69.66	236.5	66.90	220.4	61.45
	9	7.9	285.6	78.99	269.5	73.52	253.4	68.18	244.6	65.53	236.5	62.92	220.4	57.87
	11	9.8	285.6	74.37	269.5	69.23	253.4	64.17	244.6	61.76	236.5	59.35	220.4	54.64
	13	11.8	285.6	69.74	269.5	64.91	253.4	60.28	244.6	58.10	236.5	55.77	220.4	51.49
	15	13.7	285.6	61.88	269.5	61.25	253.4	56.93	244.6	54.83	236.5	52.73	220.4	48.64

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	146.8	58.72	146	61.14	146	63.67	145.3	64.91	145.3	66.07	144.5	68.60
	-18.8	-19	149.1	59.46	149.1	61.88	148.3	64.41	148.3	65.65	147.6	66.90	147.6	69.31
	-16.7	-17	154.8	61.14	154.1	63.55	154.1	65.85	153.3	67.02	153.3	68.18	153.3	70.59
	-13.7	-15	161.4	62.92	160.6	65.22	159.9	67.44	159.9	68.60	159.9	69.74	159.1	71.95
	-11.8	-13	167.9	64.79	167.9	66.90	167.2	69.00	167.2	70.17	167.2	71.21	166.4	73.43
	-9.8	-11	176	66.50	175.2	68.60	175.2	70.70	175.2	71.76	174.4	72.70	174.4	74.80
	-9.5	-10	180.2	67.44	179.8	69.42	179.8	71.42	179	72.46	179	73.52	178.2	75.53
	-8.5	-9.1	184	68.18	183.2	70.28	183.2	72.16	183.2	73.12	182.5	74.17	182.5	76.05
	-7	-7.6	190.5	69.54	190.5	71.42	189.8	73.31	189.8	74.37	189.8	75.22	189	77.21
	-5	-5.6	200.8	71.33	200.1	73.12	200.1	74.91	199.3	75.73	199.3	76.67	198.6	78.57
	-3	-3.7	210.4	72.89	210.4	76.16	209.7	76.35	209.7	77.21	209.7	78.03	200.8	74.80
	0	-0.7	227	75.22	227	76.90	226.2	78.45	222.7	77.21	215.4	73.94	200.8	67.87
	3	2.2	245.3	77.41	244.6	78.88	230	73.01	222.7	70.17	215.4	67.32	200.8	61.88
	5	4.1	257.6	78.88	244.6	74.06	230	68.60	222.7	66.07	215.4	63.43	200.8	58.29
	7	6	259.2	74.80	244.6	69.66	230	64.60	222.7	62.18	215.4	59.78	200.8	54.95
	9	7.9	259.2	70.28	244.6	65.53	230	60.82	222.7	57.78	215.4	56.31	200.8	51.87
90%	11	9.8	259.2	66.16	244.6	61.76	230	57.36	222.7	55.26	215.4	53.15	200.8	48.96
	13	11.8	259.2	62.18	244.6	58.10	230	53.98	222.7	51.99	215.4	50.12	200.8	46.23
	15	13.7	259.2	58.61	244.6	54.83	230	51.06	222.7	49.15	215.4	47.28	200.8	43.82
	-19.8	-20	145.7	63.13	144.9	65.22	144.9	67.56	144.2	68.60	144.2	69.74	144.2	71.95
	-18.8	-19	148	63.75	148	66.07	147.2	68.18	147.2	69.31	147.2	70.36	146.5	72.58
	-16.7	-17	153.7	65.34	153	67.44	153	69.54	153	70.59	152.2	71.64	152.2	73.74
	-13.7	-15	160.3	66.90	159.5	69.00	159.5	71.02	158.7	71.95	158.7	73.01	158.7	74.99
	-11.8	-13	166.8	68.60	166.8	70.48	166.3	72.38	166.3	73.43	166.3	74.37	165.6	76.27
	-9.8	-11	174.8	70.17	174.8	71.95	174.1	73.85	174.1	74.80	174.1	75.73	173.3	77.63
	-9.5	-10	179.4	71.02	178.6	72.81	178.6	74.56	177.9	75.53	177.9	76.47	177.9	78.14
	-8.5	-9.1	182.9	71.76	182.9	73.52	182.1	75.22	182.1	76.05	182.1	77.01	180.1	77.71
	-7	-7.6	189.4	72.89	189.4	74.56	188.6	76.35	188.6	77.21	188.6	78.03	180.1	74.25
	-5	-5.6	199.7	74.48	199	76.05	199	77.71	198.2	78.57	193.2	76.05	180.1	69.74
	-3	-3.7	209.3	75.96	209.3	77.41	207	77.71	199.7	74.68	193.2	71.64	180.1	65.77
	0	-0.7	226.6	78.14	220.1	76.16	207	70.59	199.7	67.75	193.2	65.11	180.1	59.78
	3	2.2	233.1	74.37	220.1	69.31	207	64.29	199.7	61.88	193.2	59.35	180.1	54.72
80%	5	4.1	233.1	69.96	220.1	65.22	207	60.60	199.7	58.18	193.2	56.08	180.1	51.57
	7	6	233.1	65.77	220.1	61.45	207	57.04	199.7	54.95	193.2	52.85	180.1	48.72
	9	7.9	233.1	61.99	220.1	57.78	207	53.78	199.7	51.87	193.2	49.89	180.1	46.11
	11	9.8	233.1	58.41	220.1	54.52	207	50.83	199.7	48.96	193.2	47.17	180.1	43.58
	13	11.8	233.1	54.95	220.1	51.49	207	47.90	199.7	46.23	193.2	44.52	180.1	41.18
	15	13.7	233.1	51.87	220.1	48.53	207	45.37	199.7	43.82	193.2	42.22	180.1	39.07
	-19.8	-20	145.3	67.44	144.5	69.42	144.5	71.42	144.5	72.38	143.8	73.43	143.8	75.31
	-18.8	-19	147.6	68.06	147.6	70.05	146.8	71.95	146.8	73.01	146.8	73.94	146	75.96
	-16.7	-17	153.3	69.42	152.6	71.33	152.6	73.20	152.6	74.17	152.6	75.10	151.8	76.90
	-13.7	-15	159.9	70.91	159.1	72.70	159.1	74.48	159.1	75.31	158.3	76.27	158.3	78.14
	-11.8	-13	166.4	72.27	166.4	74.06	165.6	75.73	165.6	76.59	165.6	77.52	160.6	75.42
	-9.8	-11	174.4	73.74	174.4	75.42	173.7	77.09	173.7	77.83	172.5	77.71	160.6	71.21
	-9.5	-10	179	74.48	178.2	76.05	178.2	77.71	178.2	78.57	172.5	75.42	160.6	69.11
	-8.5	-9.1	182.5	75.22	169.8	76.78	181.7	78.26	178.2	76.47	172.5	73.43	160.6	67.32
	-7	-7.6	189	76.27	189	77.71	184	76.05	178.2	73.12	172.5	70.17	160.6	64.41
	-5	-5.6	199.3	77.63	195.5	77.21	184	71.42	178.2	68.69	172.5	65.96	160.6	60.60
	-3	-3.7	207.4	78.03	195.5	72.70	184	67.32	178.2	64.79	172.5	62.18	160.6	57.25
	0	-0.7	207.4	70.79	195.5	65.96	184	61.25	178.2	58.92	172.5	56.62	160.6	52.19
	3	2.2	207.4	64.49	195.5	60.20	184	56.00	178.2	53.89	172.5	51.87	160.6	47.79
	5	4.1	207.4	60.71	195.5	56.74	184	52.73	178.2	50.83	172.5	48.96	160.6	45.18
	7	6	207.4	57.25	195.5	53.58	184	49.78	178.2	48.10	172.5	46.32	160.6	42.76
	9	7.9	207.4	53.98	195.5	50.51	184	47.05	178.2	45.37	172.5	43.82	160.6	40.55
	11	9.8	207.4	51.06	195.5	47.68	184	44.52	178.2	42.97	172.5	41.48	160.6	38.45
	13	11.8	207.4	48.10	195.5	45.07	184	42.11	178.2	40.66	172.5	39.19	160.6	36.34
	15	13.7	207.4	45.49	195.5	42.76	184	39.93	178.2	38.57	172.5	37.20	160.6	34.55

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	144.2	71.84	143.4	73.52	143.4	75.22	143.4	76.05	143.4	77.01	139.9	76.16
	-18.8	-19	146.4	72.38	146.4	74.06	145.7	75.73	145.7	76.59	145.7	77.52	139.9	74.56
	-16.7	-17	152.2	73.52	152.2	75.22	151.4	76.90	151.4	77.71	150.2	69.23	139.9	71.10
	-13.7	-15	158.7	74.80	158	76.47	158	78.03	155.2	76.90	150.2	73.74	139.9	67.64
	-11.8	-13	165.2	76.05	165.2	77.63	161	75.73	155.2	72.81	150.2	69.85	139.9	64.09
	-9.8	-11	173.3	77.33	171.3	77.33	161	71.53	155.2	68.81	150.2	66.07	139.9	60.60
	-9.5	-10	177.8	78.03	171.3	74.99	161	69.42	155.2	66.81	150.2	64.17	139.9	58.92
	-8.5	-9.1	181.3	78.45	171.3	73.01	161	67.64	155.2	65.03	150.2	62.50	139.9	57.44
	-7	-7.6	181.3	74.91	171.3	69.74	161	64.71	155.2	62.30	150.2	59.78	139.9	55.03
	-5	-5.6	181.3	70.36	171.3	65.65	161	60.93	155.2	58.50	150.2	69.23	139.9	51.87
	-3	-3.7	181.3	66.28	171.3	61.88	161	57.44	155.2	55.26	150.2	53.15	139.9	49.07
	0	-0.7	181.3	60.28	171.3	56.39	161	52.42	155.2	50.51	150.2	48.64	139.9	44.95
	3	2.2	181.3	55.14	171.3	51.57	161	48.10	155.2	46.32	150.2	44.64	139.9	41.29
	5	4.1	181.3	51.99	171.3	48.64	161	45.49	155.2	43.82	150.2	42.22	139.9	39.07
	7	6	181.3	49.15	171.3	46.00	161	42.97	155.2	41.48	150.2	40.01	139.9	37.08
	9	7.9	181.3	46.43	171.3	43.58	161	40.66	155.2	39.27	150.2	37.91	139.9	35.18
	11	9.8	181.3	43.90	171.3	41.18	161	38.57	155.2	37.29	150.2	36.04	139.9	33.40
	13	11.8	181.3	41.48	171.3	38.95	161	36.46	155.2	35.30	150.2	34.05	139.9	31.72
	15	13.7	181.3	39.38	171.3	36.97	161	34.67	155.2	33.51	150.2	32.34	139.9	30.24
60%	-19.8	-20	143.8	76.16	143	77.63	138	74.68	133.8	71.76	129.2	68.92	120.4	63.13
	-18.8	-19	146	76.67	146	78.14	138	73.12	133.8	70.17	129.2	67.32	120.4	61.88
	-16.7	-17	151.8	77.71	146.8	75.22	138	69.74	133.8	67.02	129.2	64.41	120.4	59.15
	-13.7	-15	155.6	76.90	146.8	71.42	138	66.28	133.8	63.75	129.2	61.25	120.4	56.31
	-11.8	-13	155.6	72.70	146.8	67.64	138	62.81	133.8	60.51	129.2	58.10	120.4	53.78
	-9.8	-11	155.6	68.69	146.8	63.98	138	59.46	133.8	57.25	129.2	55.03	120.4	50.75
	-9.5	-10	155.6	66.81	146.8	62.30	138	57.78	133.8	55.68	129.2	53.58	120.4	49.38
	-8.5	-9.1	155.6	65.03	146.8	60.60	138	56.39	133.8	54.29	129.2	52.19	120.4	48.10
	-7	-7.6	155.6	62.18	146.8	58.10	138	53.98	133.8	51.99	129.2	50.00	120.4	46.23
	-5	-5.6	155.6	58.50	146.8	54.72	138	50.94	133.8	49.07	129.2	47.28	120.4	43.70
	-3	-3.7	155.6	55.26	146.8	51.68	138	48.10	133.8	46.43	129.2	44.75	120.4	41.37
	0	-0.7	155.6	50.51	146.8	47.28	138	44.12	133.8	42.65	129.2	41.06	120.4	38.02
	3	2.2	155.6	46.32	146.8	43.47	138	40.66	133.8	39.19	129.2	37.83	120.4	35.09
	5	4.1	155.6	43.82	146.8	41.06	138	38.45	133.8	37.20	129.2	35.80	120.4	33.31
	7	6	155.6	41.48	146.8	38.95	138	36.46	133.8	35.18	129.2	34.05	120.4	31.60
	9	7.9	155.6	39.27	146.8	36.86	138	34.55	133.8	33.51	129.2	32.26	120.4	30.16
	11	9.8	155.6	37.29	146.8	35.09	138	32.88	133.8	31.83	129.2	30.66	120.4	28.68
	13	11.8	155.6	35.18	146.8	33.19	138	31.20	133.8	30.24	129.2	29.19	120.4	27.31
	15	13.7	155.6	33.51	146.8	31.52	138	29.73	133.8	28.80	129.2	27.83	120.4	26.03
50%	-19.8	-20	129.6	69.31	122.3	64.49	115	59.89	110.8	57.67	107	55.46	99.7	51.06
	-18.8	-19	129.6	67.75	122.3	63.13	115	58.72	110.8	56.50	107	54.29	99.7	50.12
	-16.7	-17	129.6	64.71	122.3	60.28	115	56.08	110.8	53.98	107	51.99	99.7	48.01
	-13.7	-15	129.6	61.56	122.3	57.44	115	53.47	110.8	51.49	107	49.58	99.7	45.80
	-11.8	-13	129.6	58.50	122.3	54.64	115	50.83	110.8	48.96	107	47.17	99.7	43.58
	-9.8	-11	129.6	55.35	122.3	51.79	115	48.22	110.8	46.43	107	44.75	99.7	41.48
	-9.5	-10	129.6	53.89	122.3	50.32	115	46.97	110.8	45.26	107	43.58	99.7	40.32
	-8.5	-9.1	129.6	52.53	122.3	49.15	115	45.80	110.8	44.21	107	42.65	99.7	39.38
	-7	-7.6	129.6	50.32	122.3	47.17	115	43.90	110.8	42.43	107	40.97	99.7	37.91
	-5	-5.6	129.6	47.47	122.3	44.52	115	41.60	110.8	40.23	107	38.76	99.7	35.92
	-3	-3.7	129.6	44.95	122.3	42.22	115	39.38	110.8	38.14	107	36.77	99.7	34.13
	0	-0.7	129.6	41.29	122.3	38.76	115	36.34	110.8	35.09	107	33.94	99.7	31.52
	3	2.2	129.6	38.02	122.3	35.72	115	33.51	110.8	32.34	107	31.29	99.7	29.19
	5	4.1	129.6	36.04	122.3	33.94	115	31.83	110.8	30.78	107	29.84	99.7	27.74
	7	6	129.6	34.25	122.3	32.26	115	30.24	110.8	29.30	107	28.37	99.7	26.46
	9	7.9	129.6	32.45	122.3	30.66	115	28.80	110.8	27.94	107	27.01	99.7	25.22
	11	9.8	129.6	30.90	122.3	29.11	115	27.40	110.8	26.58	107	25.73	99.7	24.05
	13	11.8	129.6	29.42	122.3	27.74	115	26.03	110.8	25.33	107	24.48	99.7	23.00
	15	13.7	129.6	27.94	122.3	26.46	115	24.91	110.8	24.16	107	23.42	99.7	21.95

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	103.5	52.70	97.8	49.03	92	45.49	88.5	43.82	85.5	42.14	79.7	38.80
	-18.8	-19	103.5	51.49	97.8	47.98	92	44.63	88.5	42.96	85.5	41.29	79.7	38.09
	-16.7	-17	103.5	49.19	97.8	45.81	92	42.62	88.5	41.02	85.5	39.50	79.7	36.46
	-13.7	-15	103.5	46.77	97.8	43.67	92	40.63	88.5	39.12	85.5	37.67	79.7	34.80
	-11.8	-13	103.5	44.48	97.8	41.52	92	38.64	88.5	37.21	85.5	35.84	79.7	33.12
	-9.8	-11	103.5	42.07	97.8	39.35	92	36.66	88.5	35.30	85.5	34.01	79.7	31.53
	-9.5	-10	103.5	40.94	97.8	38.25	92	35.68	88.5	34.40	85.5	33.12	79.7	30.66
	-8.5	-9.1	103.5	39.93	97.8	37.36	92	34.80	88.5	33.62	85.5	32.41	79.7	29.93
	-7	-7.6	103.5	38.25	97.8	35.84	92	33.36	88.5	32.26	85.5	31.13	79.7	28.84
	-5	-5.6	103.5	36.08	97.8	33.85	92	31.60	88.5	30.58	85.5	29.46	79.7	27.31
	-3	-3.7	103.5	34.17	97.8	32.11	92	29.93	88.5	28.99	85.5	27.94	79.7	25.95
	0	-0.7	103.5	31.37	97.8	29.46	92	27.63	88.5	26.66	85.5	25.80	79.7	23.94
	3	2.2	103.5	28.91	97.8	27.13	92	25.45	88.5	24.59	85.5	23.78	79.7	22.18
	5	4.1	103.5	27.39	97.8	25.80	92	24.20	88.5	23.39	85.5	22.68	79.7	21.09
	7	6	103.5	26.03	97.8	24.52	92	23.00	88.5	22.26	85.5	21.55	79.7	20.12
30%	9	7.9	103.5	24.67	97.8	23.31	92	21.87	88.5	21.25	85.5	20.51	79.7	19.15
	11	9.8	103.5	23.46	97.8	22.10	92	20.82	88.5	20.19	85.5	19.57	79.7	18.29
	13	11.8	103.5	22.35	97.8	21.09	92	19.81	88.5	19.23	85.5	18.60	79.7	17.47
	15	13.7	103.5	21.25	97.8	20.12	92	18.91	88.5	18.36	85.5	17.79	79.7	16.69
	-19.8	-20	77.8	38.68	73.2	36.00	69	26.73	66.3	32.18	64.1	30.94	59.8	28.49
	-18.8	-19	77.8	37.79	73.2	35.23	69	26.23	66.3	31.53	64.1	30.31	59.8	27.94
	-16.7	-17	77.8	36.11	73.2	33.66	69	25.03	66.3	30.13	64.1	29.03	59.8	26.77
	-13.7	-15	77.8	34.36	73.2	32.07	69	23.86	66.3	28.72	64.1	27.67	59.8	25.57
	-11.8	-13	77.8	32.65	73.2	30.47	69	22.69	66.3	27.31	64.1	26.31	59.8	24.33
	-9.8	-11	77.8	30.90	73.2	28.91	69	21.52	66.3	25.91	64.1	24.98	59.8	23.16
	-9.5	-10	77.8	30.08	73.2	28.06	69	20.97	66.3	25.26	64.1	24.33	59.8	22.50
	-8.5	-9.1	77.8	29.30	73.2	27.43	69	20.44	66.3	24.67	64.1	23.78	59.8	21.99
	-7	-7.6	77.8	28.06	73.2	26.31	69	19.61	66.3	23.67	64.1	22.84	59.8	21.17
	-5	-5.6	77.8	26.50	73.2	24.86	69	18.57	66.3	22.46	64.1	21.63	59.8	20.04
	-3	-3.7	77.8	25.10	73.2	23.54	69	17.59	66.3	21.29	64.1	20.51	59.8	19.03
	0	-0.7	77.8	23.04	73.2	21.63	69	16.23	66.3	19.57	64.1	18.91	59.8	17.59
20%	3	2.2	77.8	21.21	73.2	19.93	69	14.95	66.3	18.06	64.1	17.47	59.8	16.30
	5	4.1	77.8	20.11	73.2	18.91	69	14.21	66.3	17.17	64.1	16.66	59.8	15.49
	7	6	77.8	19.11	73.2	17.98	69	13.50	66.3	16.34	64.1	15.84	59.8	14.79
	9	7.9	77.8	18.10	73.2	17.13	69	12.84	66.3	15.60	64.1	15.06	59.8	14.06
	11	9.8	77.8	17.24	73.2	16.23	69	12.22	66.3	14.83	64.1	14.36	59.8	13.43
	13	11.8	77.8	16.42	73.2	15.49	69	11.63	66.3	14.13	64.1	13.66	59.8	12.84
	15	13.7	77.8	15.60	73.2	14.79	69	11.12	66.3	13.47	64.1	13.07	59.8	12.26
	-19.8	-20	51.8	24.95	49	23.23	46	21.55	44.1	20.74	42.9	19.97	39.9	18.37
	-18.8	-19	51.8	24.40	49	22.72	46	21.14	44.1	20.36	42.9	19.54	39.9	18.05
	-16.7	-17	51.8	23.31	49	21.72	46	20.19	44.1	19.42	42.9	18.72	39.9	17.28
	-13.7	-15	51.8	22.14	49	20.70	46	19.26	44.1	18.53	42.9	17.86	39.9	16.50
	-11.8	-13	51.8	21.06	49	19.65	46	18.29	44.1	17.62	42.9	16.97	39.9	15.68
	-9.8	-11	51.8	19.93	49	18.64	46	17.36	44.1	16.70	42.9	16.11	39.9	14.94
	-9.5	-10	51.8	19.38	49	18.10	46	16.89	44.1	16.30	42.9	15.68	39.9	14.51
	-8.5	-9.1	51.8	18.91	49	17.70	46	16.50	44.1	15.92	42.9	15.37	39.9	14.17
	-7	-7.6	51.8	18.10	49	16.97	46	15.80	44.1	15.29	42.9	14.75	39.9	13.66
	-5	-5.6	51.8	17.08	49	16.04	46	14.98	44.1	14.47	42.9	13.97	39.9	12.92
	-3	-3.7	51.8	16.19	49	15.22	46	14.17	44.1	13.73	42.9	13.23	39.9	12.30
	0	-0.7	51.8	14.86	49	13.97	46	13.08	44.1	12.65	42.9	12.22	39.9	11.36
	3	2.2	51.8	13.69	49	12.85	46	12.07	44.1	11.64	42.9	11.28	39.9	10.51
	5	4.1	51.8	12.96	49	12.22	46	11.45	44.1	11.09	42.9	10.74	39.9	9.99
	7	6	51.8	12.33	49	11.60	46	10.90	44.1	10.54	42.9	10.20	39.9	9.54
	9	7.9	51.8	11.68	49	11.05	46	10.35	44.1	10.05	42.9	9.73	39.9	9.07
	11	9.8	51.8	11.12	49	10.47	46	9.88	44.1	9.57	42.9	9.26	39.9	8.67
	13	11.8	51.8	10.58	49	9.99	46	9.38	44.1	9.11	42.9	8.80	39.9	8.29
	15	13.7	51.8	10.05	49	9.54	46	8.95	44.1	8.68	42.9	8.42	39.9	7.90

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR800ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	148.8	46.28	148.3	49.59	147.6	52.91	147.6	54.50	146.8	56.11	146.8	59.40
	-18.8	-19	151.1	47.34	150.3	50.55	150.3	53.86	149.5	55.48	149.5	56.95	148.8	60.27
	-16.7	-17	157.1	49.59	156.4	52.68	155.6	55.80	155.6	57.27	155.6	58.89	154.8	61.97
	-13.7	-15	163.7	51.85	162.9	54.81	162.1	57.81	162.1	59.32	161.4	60.81	161.4	63.78
	-11.8	-13	170.2	54.18	170.2	57.06	169.4	59.83	168.7	61.33	168.7	62.84	167.9	65.60
	-9.8	-11	178.2	56.54	177.5	59.32	176.7	61.97	176.7	63.35	176.7	64.73	176	67.53
	-9.5	-10	182.5	57.81	181.7	60.38	181	63.03	181	64.41	180.2	65.71	180.2	68.36
	-8.5	-9.1	186.3	58.76	185.5	61.33	185.5	64.01	184.8	65.28	184.8	66.55	184	69.23
	-7	-7.6	192.8	60.46	192.8	63.03	192	65.49	192	66.79	191.3	67.93	190.5	70.50
	-5	-5.6	203.1	62.84	202.4	65.17	201.6	67.53	201.6	68.80	200.8	69.87	200.8	72.20
	-3	-3.7	212.4	64.85	211.6	67.10	211.6	69.32	210.9	70.50	210.9	71.69	210.1	73.82
	0	-0.7	229.2	67.93	229.2	70.07	228.5	72.12	228.5	72.95	227.7	74.25	227.7	76.39
	3	2.2	247.6	70.82	246.8	72.75	246.1	74.66	246.1	75.64	246.1	76.70	245.3	78.52
	5	4.1	259.9	72.52	259.2	74.45	259.2	76.27	258.4	77.22	258.4	78.09	257.6	79.91
	7	6	273	74.34	272.2	75.96	272.2	77.77	271.4	78.61	271.4	79.47	260.7	76.39
	9	7.9	286.8	75.83	286.3	77.53	286.3	79.15	285.6	79.99	279.8	78.29	260.7	71.69
	11	9.8	301.7	77.34	300.9	78.92	299.4	79.91	289.1	76.79	279.8	73.58	260.7	67.53
	13	11.8	317.4	78.83	317	80.31	299.4	74.88	289.1	71.88	279.8	69.12	260.7	63.35
	15	13.7	332.8	80.22	318.2	76.07	299.4	70.50	289.1	67.85	279.8	65.08	260.7	59.83
120%	-19.8	-20	148.3	50.78	147.6	53.75	146.8	56.86	146.8	58.25	146.8	59.83	146	62.84
	-18.8	-19	150.3	51.73	149.5	54.73	149.5	57.70	149.1	59.08	149.1	60.70	148.3	63.67
	-16.7	-17	156.4	53.75	155.6	56.64	154.5	59.40	154.8	60.90	154.8	62.40	154.1	65.17
	-13.7	-15	162.9	55.88	162.1	58.68	161.4	61.33	161.4	62.84	161.4	64.10	160.6	66.87
	-11.8	-13	169.4	58.02	169.4	60.70	168.7	63.27	168.7	64.65	167.9	65.92	167.9	68.60
	-9.8	-11	177.5	60.27	176.7	62.71	176.7	65.28	176	66.55	176	67.74	175.2	70.30
	-9.5	-10	181.7	61.33	181	63.78	180.2	66.23	180.2	67.53	180.2	68.68	179.8	71.14
	-8.5	-9.1	185.5	62.28	184.8	64.65	184.8	67.10	184	68.25	184	69.55	183.2	71.88
	-7	-7.6	192	63.90	192	66.23	191.3	68.49	191.3	69.66	190.5	70.82	190.5	73.07
	-5	-5.6	202.4	65.92	201.6	68.17	200.8	70.39	200.8	71.45	200.8	72.63	200.1	74.66
	-3	-3.7	211.6	67.93	211.6	70.07	210.9	72.12	210.9	73.07	210.4	74.25	210.4	76.27
	0	-0.7	228.5	70.82	228.5	72.75	227.7	74.66	227.7	75.64	227	76.58	227	78.52
	3	2.2	246.8	73.50	246.1	75.20	246.1	77.02	245.3	77.97	245.3	78.83	240.3	78.40
	5	4.1	259.2	75.09	258.4	76.79	258.4	78.52	257.6	79.35	257.6	80.22	240.3	73.58
	7	6	272.2	76.58	272.2	78.20	271.8	79.78	267.2	78.72	258.4	75.52	240.3	69.23
	9	7.9	286.3	78.09	285.6	79.67	276	77.02	267.2	73.93	258.4	70.93	240.3	65.17
	11	9.8	300.9	79.47	293.6	78.09	276	72.44	267.2	69.66	258.4	66.79	240.3	61.44
	13	11.8	311.7	78.72	293.6	73.27	276	67.93	267.2	65.40	258.4	62.84	240.3	57.81
	15	13.7	311.7	74.14	293.6	69.00	276	64.10	267.2	61.54	258.4	59.19	240.3	54.50
110%	-19.8	-20	147.6	55.24	146.8	57.93	146	60.70	146	62.08	146.1	63.46	145.3	66.23
	-18.8	-19	149.5	56.11	149.1	58.76	149.1	61.54	149.1	62.84	148.3	64.22	148.3	66.98
	-16.7	-17	155.6	57.93	154.8	60.59	157.1	63.27	154.1	64.54	154.1	65.80	153.3	68.36
	-13.7	-15	162.1	59.95	161.4	62.40	160.6	64.97	160.6	66.23	160.6	67.53	159.9	69.98
	-11.8	-13	168.7	61.97	168.7	64.33	167.9	66.66	167.9	67.93	167.2	69.12	167.2	71.57
	-9.8	-11	176.7	63.90	176	66.23	176	68.49	175.2	69.66	175.2	70.82	175.2	73.07
	-9.5	-10	181	64.97	180.2	67.10	179.4	69.44	179.4	70.50	179.4	71.69	179	73.93
	-8.5	-9.1	184.8	65.80	184	67.93	184	70.18	183.2	71.37	183.2	72.44	183.2	76.03
	-7	-7.6	191.3	67.30	191.3	69.32	190.5	71.45	190.5	72.52	190.5	73.58	189.8	75.72
	-5	-5.6	201.6	69.23	200.8	71.25	200.1	73.18	200.1	74.25	200.1	75.20	199.3	77.34
	-3	-3.7	210.9	70.93	210.9	72.87	210.4	74.77	210.4	75.72	209.7	76.70	209.7	78.61
	0	-0.7	227.7	73.58	227.7	75.40	227	77.22	227	78.09	227	78.92	220.4	77.45
	3	2.2	246.1	76.07	245.3	77.66	245.3	79.35	244.6	80.10	236.5	76.79	220.4	70.50
	5	4.1	258.4	77.53	258.4	79.15	253.4	78.40	244.6	75.20	236.5	72.20	220.4	66.23
	7	6	271.4	78.92	269.5	79.47	253.4	73.58	244.6	70.74	236.5	67.93	220.4	62.40
	9	7.9	285.6	80.22	269.5	74.66	253.4	69.23	244.6	66.55	236.5	63.90	220.4	58.76
	11	9.8	285.6	75.52	269.5	70.30	253.4	65.17	244.6	62.71	236.5	60.27	220.4	55.48
	13	11.8	285.6	70.82	269.5	65.92	253.4	61.22	244.6	59.00	236.5	56.64	220.4	52.28
	15	13.7	285.6	62.84	269.5	62.20	253.4	57.81	244.6	55.68	236.5	53.54	220.4	49.40

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	146.8	59.63	146	62.08	146	64.65	145.3	65.92	145.3	67.10	144.5	69.66
	-18.8	-19	149.1	60.38	149.1	62.84	148.3	65.40	148.3	66.66	147.6	67.93	147.6	70.39
	-16.7	-17	154.8	62.08	154.1	64.54	154.1	66.87	153.3	68.05	153.3	69.23	153.3	71.69
	-13.7	-15	161.4	63.90	160.6	66.23	159.9	68.49	159.9	69.66	159.9	70.82	159.1	73.07
	-11.8	-13	167.9	65.80	167.9	67.93	167.2	70.07	167.2	71.25	167.2	72.31	166.4	74.56
	-9.8	-11	176	67.53	175.2	69.66	175.2	71.80	175.2	72.87	174.4	73.82	174.4	75.96
	-9.5	-10	180.2	68.49	179.8	70.50	179.8	72.52	179	73.58	179	74.66	178.2	76.70
	-8.5	-9.1	184	69.23	183.2	71.37	183.2	73.27	183.2	74.25	182.5	75.32	182.5	77.22
	-7	-7.6	190.5	70.61	190.5	72.52	189.8	74.45	189.8	75.52	189.8	76.39	189	78.40
	-5	-5.6	200.8	72.44	200.1	74.25	200.1	76.07	199.3	76.90	199.3	77.85	198.6	79.78
	-3	-3.7	210.4	74.02	210.4	76.19	209.7	77.53	209.7	78.40	209.7	79.24	200.8	81.96
	0	-0.7	227	76.39	227	78.09	226.2	79.67	222.7	78.40	215.4	75.09	200.8	68.92
	3	2.2	245.3	78.61	244.6	80.10	230	74.14	222.7	71.25	215.4	68.36	200.8	62.84
	5	4.1	257.6	80.10	244.6	75.20	230	69.66	222.7	67.10	215.4	64.41	200.8	59.19
	7	6	259.2	75.96	244.6	70.74	230	65.60	222.7	63.15	215.4	60.70	200.8	55.80
	9	7.9	259.2	71.37	244.6	66.55	230	61.76	222.7	58.68	215.4	57.18	200.8	52.68
90%	11	9.8	259.2	67.19	244.6	62.71	230	58.25	222.7	56.11	215.4	53.98	200.8	49.72
	13	11.8	259.2	63.15	244.6	59.00	230	54.81	222.7	52.80	215.4	50.89	200.8	46.94
	15	13.7	259.2	59.51	244.6	55.68	230	51.85	222.7	49.91	215.4	48.01	200.8	44.50
	-19.8	-20	145.7	64.10	144.9	66.23	144.9	68.60	144.2	69.66	144.2	70.82	144.2	73.07
	-18.8	-19	148	64.73	148	67.10	147.2	69.23	147.2	70.39	147.2	71.45	146.5	73.71
	-16.7	-17	153.7	66.35	153	68.49	153	70.61	153	71.69	152.2	72.75	152.2	74.88
	-13.7	-15	160.3	67.93	159.5	70.07	159.5	72.12	158.7	73.07	158.7	74.14	158.7	76.15
	-11.8	-13	166.8	69.66	166.8	71.57	166.3	73.50	166.3	74.56	166.3	75.52	165.6	77.45
	-9.8	-11	174.8	71.25	174.8	73.07	174.1	75.00	174.1	75.96	174.1	76.90	173.3	78.83
	-9.5	-10	179.4	72.12	178.6	73.93	178.6	75.72	177.9	76.70	177.9	77.66	177.9	79.35
	-8.5	-9.1	182.9	72.87	182.9	74.66	182.1	76.39	182.1	77.22	182.1	78.20	180.1	78.92
	-7	-7.6	189.4	74.02	189.4	75.72	188.6	77.53	188.6	78.40	188.6	79.24	180.1	75.40
	-5	-5.6	199.7	75.64	199	77.22	199	78.92	198.2	79.78	193.2	77.22	180.1	70.82
	-3	-3.7	209.3	77.13	209.3	78.61	207	78.92	199.7	75.83	193.2	72.75	180.1	66.79
	0	-0.7	226.6	79.35	220.1	77.34	207	71.69	199.7	68.80	193.2	66.12	180.1	60.70
	3	2.2	233.1	75.52	220.1	70.39	207	65.28	199.7	62.84	193.2	60.27	180.1	55.56
80%	5	4.1	233.1	71.05	220.1	66.23	207	61.54	199.7	59.08	193.2	56.95	180.1	52.37
	7	6	233.1	66.79	220.1	62.40	207	57.93	199.7	55.80	193.2	53.67	180.1	49.48
	9	7.9	233.1	62.95	220.1	58.68	207	54.62	199.7	52.68	193.2	50.66	180.1	46.83
	11	9.8	233.1	59.32	220.1	55.37	207	51.61	199.7	49.72	193.2	47.90	180.1	44.26
	13	11.8	233.1	55.80	220.1	52.28	207	48.64	199.7	46.94	193.2	45.21	180.1	41.81
	15	13.7	233.1	52.68	220.1	49.28	207	46.07	199.7	44.50	193.2	42.88	180.1	39.68
	-19.8	-20	145.3	68.49	144.5	70.50	144.5	72.52	144.5	73.50	143.8	74.56	143.8	76.47
	-18.8	-19	147.6	69.12	147.6	71.14	146.8	73.07	146.8	74.14	146.8	75.09	146	77.13
	-16.7	-17	153.3	70.50	152.6	72.44	152.6	74.34	152.6	75.32	152.6	76.27	151.8	78.09
	-13.7	-15	159.9	72.01	159.1	73.82	159.1	75.64	159.1	76.47	158.3	77.45	158.3	79.35
	-11.8	-13	166.4	73.39	166.4	75.20	165.6	76.90	165.6	77.77	165.6	78.72	160.6	76.58
	-9.8	-11	174.4	74.88	174.4	76.58	173.7	78.29	173.7	79.04	172.5	78.92	160.6	72.31
	-9.5	-10	179	75.64	178.2	77.22	178.2	78.92	178.2	79.78	172.5	76.58	160.6	70.18
	-8.5	-9.1	182.5	76.39	169.8	77.97	181.7	79.47	178.2	77.66	172.5	74.56	160.6	68.36
	-7	-7.6	189	77.45	189	78.92	184	77.22	178.2	74.25	172.5	71.25	160.6	65.40
	-5	-5.6	199.3	78.83	195.5	78.40	184	72.52	178.2	69.76	172.5	66.98	160.6	61.54
	-3	-3.7	207.4	79.24	195.5	73.82	184	68.36	178.2	65.80	172.5	63.15	160.6	58.13
	0	-0.7	207.4	71.88	195.5	66.98	184	62.20	178.2	59.83	172.5	57.49	160.6	53.00
	3	2.2	207.4	65.49	195.5	61.13	184	56.86	178.2	54.73	172.5	52.68	160.6	48.53
	5	4.1	207.4	61.65	195.5	57.62	184	53.54	178.2	51.61	172.5	49.72	160.6	45.88
	7	6	207.4	58.13	195.5	54.41	184	50.55	178.2	48.85	172.5	47.03	160.6	43.42
	9	7.9	207.4	54.81	195.5	51.29	184	47.78	178.2	46.07	172.5	44.50	160.6	41.18
	11	9.8	207.4	51.85	195.5	48.42	184	45.21	178.2	43.63	172.5	42.12	160.6	39.04
	13	11.8	207.4	48.85	195.5	45.77	184	42.76	178.2	41.29	172.5	39.79	160.6	36.91
	15	13.7	207.4	46.20	195.5	43.42	184	40.55	178.2	39.16	172.5	37.77	160.6	35.09

Note: TC: Total capacity, PI: Power input.

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Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	144.2	72.95	143.4	74.66	143.4	76.39	143.4	77.22	143.4	78.20	139.9	77.34
	-18.8	-19	146.4	73.50	146.4	75.20	145.7	76.90	145.7	77.77	145.7	78.72	139.9	75.72
	-16.7	-17	152.2	74.66	152.2	76.39	151.4	78.09	151.4	78.92	150.2	70.30	139.9	72.20
	-13.7	-15	158.7	75.96	158	77.66	158	79.24	155.2	78.09	150.2	74.88	139.9	68.68
	-11.8	-13	165.2	77.22	165.2	78.83	161	76.90	155.2	73.93	150.2	70.93	139.9	65.08
	-9.8	-11	173.3	78.52	171.3	78.52	161	72.63	155.2	69.87	150.2	67.10	139.9	61.54
	-9.5	-10	177.8	79.24	171.3	76.15	161	70.50	155.2	67.85	150.2	65.17	139.9	59.83
	-8.5	-9.1	181.3	79.67	171.3	74.14	161	68.68	155.2	66.03	150.2	63.46	139.9	58.33
	-7	-7.6	181.3	76.07	171.3	70.82	161	65.71	155.2	63.27	150.2	60.70	139.9	55.88
	-5	-5.6	181.3	71.45	171.3	66.66	161	61.88	155.2	59.40	150.2	70.30	139.9	52.68
	-3	-3.7	181.3	67.30	171.3	62.84	161	58.33	155.2	56.11	150.2	53.98	139.9	49.83
	0	-0.7	181.3	61.22	171.3	57.27	161	53.23	155.2	51.29	150.2	49.40	139.9	45.64
	3	2.2	181.3	56.00	171.3	52.37	161	48.85	155.2	47.03	150.2	45.33	139.9	41.93
	5	4.1	181.3	52.80	171.3	49.40	161	46.20	155.2	44.50	150.2	42.88	139.9	39.68
	7	6	181.3	49.91	171.3	46.71	161	43.63	155.2	42.12	150.2	40.63	139.9	37.66
	9	7.9	181.3	47.15	171.3	44.26	161	41.29	155.2	39.88	150.2	38.49	139.9	35.73
	11	9.8	181.3	44.58	171.3	41.81	161	39.16	155.2	37.86	150.2	36.60	139.9	33.91
	13	11.8	181.3	42.12	171.3	39.56	161	37.03	155.2	35.84	150.2	34.57	139.9	32.21
	15	13.7	181.3	39.99	171.3	37.54	161	35.20	155.2	34.03	150.2	32.84	139.9	30.71
60%	-19.8	-20	143.8	77.34	143	78.83	138	75.83	133.8	72.87	129.2	69.98	120.4	64.10
	-18.8	-19	146	77.85	146	79.35	138	74.25	133.8	71.25	129.2	68.36	120.4	62.84
	-16.7	-17	151.8	78.92	146.8	76.39	138	70.82	133.8	68.05	129.2	65.40	120.4	60.06
	-13.7	-15	155.6	78.09	146.8	72.52	138	67.30	133.8	64.73	129.2	62.20	120.4	57.18
	-11.8	-13	155.6	73.82	146.8	68.68	138	63.78	133.8	61.44	129.2	59.00	120.4	54.62
	-9.8	-11	155.6	69.76	146.8	64.97	138	60.38	133.8	58.13	129.2	55.88	120.4	51.53
	-9.5	-10	155.6	67.85	146.8	63.27	138	58.68	133.8	56.54	129.2	54.41	120.4	50.15
	-8.5	-9.1	155.6	66.03	146.8	61.54	138	57.27	133.8	55.13	129.2	53.00	120.4	48.85
	-7	-7.6	155.6	63.15	146.8	59.00	138	54.81	133.8	52.80	129.2	50.78	120.4	46.94
	-5	-5.6	155.6	59.40	146.8	55.56	138	51.73	133.8	49.83	129.2	48.01	120.4	44.37
	-3	-3.7	155.6	56.11	146.8	52.48	138	48.85	133.8	47.15	129.2	45.45	120.4	42.01
	0	-0.7	155.6	51.29	146.8	48.01	138	44.81	133.8	43.31	129.2	41.69	120.4	38.61
	3	2.2	155.6	47.03	146.8	44.15	138	41.29	133.8	39.79	129.2	38.41	120.4	35.64
	5	4.1	155.6	44.50	146.8	41.69	138	39.04	133.8	37.77	129.2	36.36	120.4	33.82
	7	6	155.6	42.12	146.8	39.56	138	37.03	133.8	35.73	129.2	34.57	120.4	32.09
	9	7.9	155.6	39.88	146.8	37.43	138	35.09	133.8	34.03	129.2	32.76	120.4	30.62
	11	9.8	155.6	37.86	146.8	35.64	138	33.39	133.8	32.33	129.2	31.14	120.4	29.13
	13	11.8	155.6	35.73	146.8	33.71	138	31.69	133.8	30.71	129.2	29.64	120.4	27.74
	15	13.7	155.6	34.03	146.8	32.01	138	30.19	133.8	29.24	129.2	28.26	120.4	26.44
50%	-19.8	-20	129.6	70.39	122.3	65.49	115	60.81	110.8	58.57	107	56.32	99.7	51.85
	-18.8	-19	129.6	68.80	122.3	64.10	115	59.63	110.8	57.38	107	55.13	99.7	50.89
	-16.7	-17	129.6	65.71	122.3	61.22	115	56.95	110.8	54.81	107	52.80	99.7	48.76
	-13.7	-15	129.6	62.52	122.3	58.33	115	54.30	110.8	52.28	107	50.34	99.7	46.51
	-11.8	-13	129.6	59.40	122.3	55.48	115	51.61	110.8	49.72	107	47.90	99.7	44.26
	-9.8	-11	129.6	56.20	122.3	52.59	115	48.96	110.8	47.15	107	45.45	99.7	42.12
	-9.5	-10	129.6	54.73	122.3	51.10	115	47.69	110.8	45.96	107	44.26	99.7	40.95
	-8.5	-9.1	129.6	53.35	122.3	49.91	115	46.51	110.8	44.90	107	43.31	99.7	39.99
	-7	-7.6	129.6	51.10	122.3	47.90	115	44.58	110.8	43.08	107	41.61	99.7	38.49
	-5	-5.6	129.6	48.21	122.3	45.21	115	42.25	110.8	40.86	107	39.36	99.7	36.47
	-3	-3.7	129.6	45.64	122.3	42.88	115	39.99	110.8	38.73	107	37.34	99.7	34.66
	0	-0.7	129.6	41.93	122.3	39.36	115	36.91	110.8	35.64	107	34.46	99.7	32.01
	3	2.2	129.6	38.61	122.3	36.28	115	34.03	110.8	32.84	107	31.78	99.7	29.64
	5	4.1	129.6	36.60	122.3	34.46	115	32.33	110.8	31.25	107	30.30	99.7	28.17
	7	6	129.6	34.78	122.3	32.76	115	30.71	110.8	29.76	107	28.81	99.7	26.87
	9	7.9	129.6	32.95	122.3	31.14	115	29.24	110.8	28.38	107	27.43	99.7	25.61
	11	9.8	129.6	31.38	122.3	29.56	115	27.83	110.8	26.99	107	26.13	99.7	24.42
	13	11.8	129.6	29.87	122.3	28.17	115	26.44	110.8	25.72	107	24.86	99.7	23.35
	15	13.7	129.6	28.38	122.3	26.87	115	25.29	110.8	24.54	107	23.79	99.7	22.29

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	103.5	53.51	97.8	49.79	92	46.20	88.5	44.50	85.5	42.79	79.7	39.40
	-18.8	-19	103.5	52.28	97.8	48.73	92	45.32	88.5	43.62	85.5	41.93	79.7	38.68
	-16.7	-17	103.5	49.95	97.8	46.52	92	43.28	88.5	41.66	85.5	40.11	79.7	37.03
	-13.7	-15	103.5	47.50	97.8	44.34	92	41.26	88.5	39.72	85.5	38.26	79.7	35.34
	-11.8	-13	103.5	45.17	97.8	42.17	92	39.24	88.5	37.78	85.5	36.40	79.7	33.64
	-9.8	-11	103.5	42.72	97.8	39.96	92	37.22	88.5	35.84	85.5	34.53	79.7	32.02
	-9.5	-10	103.5	41.58	97.8	38.84	92	36.23	88.5	34.94	85.5	33.64	79.7	31.14
	-8.5	-9.1	103.5	40.55	97.8	37.94	92	35.34	88.5	34.14	85.5	32.91	79.7	30.40
	-7	-7.6	103.5	38.84	97.8	36.40	92	33.87	88.5	32.76	85.5	31.61	79.7	29.28
	-5	-5.6	103.5	36.64	97.8	34.38	92	32.09	88.5	31.06	85.5	29.91	79.7	27.74
	-3	-3.7	103.5	34.70	97.8	32.60	92	30.40	88.5	29.44	85.5	28.38	79.7	26.35
	0	-0.7	103.5	31.85	97.8	29.91	92	28.06	88.5	27.08	85.5	26.20	79.7	24.31
	3	2.2	103.5	29.36	97.8	27.55	92	25.85	88.5	24.97	85.5	24.15	79.7	22.53
	5	4.1	103.5	27.82	97.8	26.20	92	24.58	88.5	23.75	85.5	23.03	79.7	21.41
	7	6	103.5	26.44	97.8	24.90	92	23.35	88.5	22.61	85.5	21.89	79.7	20.43
30%	9	7.9	103.5	25.05	97.8	23.67	92	22.21	88.5	21.58	85.5	20.82	79.7	19.44
	11	9.8	103.5	23.83	97.8	22.44	92	21.14	88.5	20.51	85.5	19.88	79.7	18.58
	13	11.8	103.5	22.69	97.8	21.41	92	20.11	88.5	19.53	85.5	18.89	79.7	17.74
	15	13.7	103.5	21.58	97.8	20.43	92	19.21	88.5	18.65	85.5	18.06	79.7	16.95
	-19.8	-20	77.8	39.28	73.2	36.55	69	27.15	66.3	32.68	64.1	31.42	59.8	28.93
	-18.8	-19	77.8	38.38	73.2	35.77	69	26.63	66.3	32.02	64.1	30.78	59.8	28.38
	-16.7	-17	77.8	36.67	73.2	34.18	69	25.41	66.3	30.59	64.1	29.48	59.8	27.19
	-13.7	-15	77.8	34.89	73.2	32.56	69	24.23	66.3	29.17	64.1	28.10	59.8	25.96
	-11.8	-13	77.8	33.15	73.2	30.94	69	23.04	66.3	27.74	64.1	26.71	59.8	24.70
	-9.8	-11	77.8	31.38	73.2	29.36	69	21.86	66.3	26.31	64.1	25.36	59.8	23.52
	-9.5	-10	77.8	30.54	73.2	28.50	69	21.30	66.3	25.65	64.1	24.70	59.8	22.85
	-8.5	-9.1	77.8	29.76	73.2	27.86	69	20.75	66.3	25.05	64.1	24.15	59.8	22.33
	-7	-7.6	77.8	28.50	73.2	26.71	69	19.92	66.3	24.03	64.1	23.20	59.8	21.50
	-5	-5.6	77.8	26.91	73.2	25.25	69	18.85	66.3	22.81	64.1	21.97	59.8	20.35
	-3	-3.7	77.8	25.49	73.2	23.91	69	17.86	66.3	21.62	64.1	20.82	59.8	19.33
	0	-0.7	77.8	23.39	73.2	21.97	69	16.48	66.3	19.88	64.1	19.21	59.8	17.86
20%	3	2.2	77.8	21.54	73.2	20.24	69	15.18	66.3	18.34	64.1	17.74	59.8	16.55
	5	4.1	77.8	20.42	73.2	19.21	69	14.43	66.3	17.43	64.1	16.92	59.8	15.73
	7	6	77.8	19.40	73.2	18.26	69	13.71	66.3	16.60	64.1	16.08	59.8	15.02
	9	7.9	77.8	18.38	73.2	17.39	69	13.04	66.3	15.84	64.1	15.30	59.8	14.27
	11	9.8	77.8	17.50	73.2	16.48	69	12.41	66.3	15.06	64.1	14.58	59.8	13.64
	13	11.8	77.8	16.68	73.2	15.73	69	11.81	66.3	14.35	64.1	13.87	59.8	13.04
	15	13.7	77.8	15.84	73.2	15.02	69	11.29	66.3	13.68	64.1	13.27	59.8	12.45
	-19.8	-20	51.8	25.33	49	23.59	46	21.89	44.1	21.06	42.9	20.28	39.9	18.66
	-18.8	-19	51.8	24.78	49	23.07	46	21.46	44.1	20.67	42.9	19.84	39.9	18.33
	-16.7	-17	51.8	23.67	49	22.05	46	20.51	44.1	19.72	42.9	19.01	39.9	17.54
	-13.7	-15	51.8	22.49	49	21.02	46	19.56	44.1	18.81	42.9	18.13	39.9	16.75
	-11.8	-13	51.8	21.38	49	19.96	46	18.58	44.1	17.90	42.9	17.24	39.9	15.93
	-9.8	-11	51.8	20.24	49	18.93	46	17.63	44.1	16.96	42.9	16.36	39.9	15.17
	-9.5	-10	51.8	19.68	49	18.38	46	17.15	44.1	16.55	42.9	15.93	39.9	14.74
	-8.5	-9.1	51.8	19.21	49	17.98	46	16.75	44.1	16.16	42.9	15.61	39.9	14.39
	-7	-7.6	51.8	18.38	49	17.24	46	16.05	44.1	15.52	42.9	14.98	39.9	13.87
	-5	-5.6	51.8	17.35	49	16.29	46	15.21	44.1	14.70	42.9	14.18	39.9	13.12
	-3	-3.7	51.8	16.44	49	15.45	46	14.39	44.1	13.95	42.9	13.44	39.9	12.49
	0	-0.7	51.8	15.09	49	14.18	46	13.28	44.1	12.84	42.9	12.41	39.9	11.53
	3	2.2	51.8	13.90	49	13.05	46	12.25	44.1	11.82	42.9	11.46	39.9	10.68
	5	4.1	51.8	13.16	49	12.41	46	11.62	44.1	11.26	42.9	10.90	39.9	10.15
	7	6	51.8	12.52	49	11.78	46	11.07	44.1	10.71	42.9	10.36	39.9	9.69
	9	7.9	51.8	11.86	49	11.22	46	10.51	44.1	10.20	42.9	9.88	39.9	9.21
	11	9.8	51.8	11.29	49	10.63	46	10.04	44.1	9.72	42.9	9.41	39.9	8.81
	13	11.8	51.8	10.75	49	10.15	46	9.52	44.1	9.25	42.9	8.93	39.9	8.42
	15	13.7	51.8	10.20	49	9.69	46	9.09	44.1	8.82	42.9	8.58	39.9	8.02

Note: TC: Total capacity, PI: Power input.

Outdoor unit

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Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range



**■ TMR820ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	148.8	46.99	148.3	50.35	147.6	53.72	147.6	55.33	146.8	56.97	146.8	60.31
	-18.8	-19	151.1	48.07	150.3	51.32	150.3	54.68	149.5	56.33	149.5	57.81	148.8	61.19
	-16.7	-17	157.1	50.35	156.4	53.48	155.6	56.65	155.6	58.14	155.6	59.78	154.8	62.91
	-13.7	-15	163.7	52.64	162.9	55.65	162.1	58.69	162.1	60.22	161.4	61.74	161.4	64.76
	-11.8	-13	170.2	55.01	170.2	57.93	169.4	60.75	168.7	62.26	168.7	63.79	167.9	66.60
	-9.8	-11	178.2	57.41	177.5	60.22	176.7	62.91	176.7	64.32	176.7	65.72	176	68.56
	-9.5	-10	182.5	58.69	181.7	61.30	181	63.99	181	65.40	180.2	66.72	180.2	69.41
	-8.5	-9.1	186.3	59.66	185.5	62.26	185.5	64.99	184.8	66.28	184.8	67.56	184	70.29
	-7	-7.6	192.8	61.39	192.8	63.99	192	66.48	192	67.80	191.3	68.97	190.5	71.57
	-5	-5.6	203.1	63.79	202.4	66.16	201.6	68.56	201.6	69.85	200.8	70.94	200.8	73.30
	-3	-3.7	212.4	65.84	211.6	68.12	211.6	70.38	210.9	71.57	210.9	72.78	210.1	74.95
	0	-0.7	229.2	68.97	229.2	71.13	228.5	73.22	228.5	74.07	227.7	75.39	227.7	77.55
	3	2.2	247.6	71.90	246.8	73.86	246.1	75.79	246.1	76.79	246.1	77.87	245.3	79.72
	5	4.1	259.9	73.63	259.2	75.58	259.2	77.43	258.4	78.40	258.4	79.28	257.6	81.12
	7	6	273	75.47	272.2	77.11	272.2	78.96	271.4	79.80	271.4	80.68	260.7	77.55
	9	7.9	286.8	76.99	286.3	78.72	286.3	80.36	285.6	81.21	279.8	79.48	260.7	72.78
	11	9.8	301.7	78.52	300.9	80.12	299.4	81.12	289.1	77.96	279.8	74.71	260.7	68.56
	13	11.8	317.4	80.04	317	81.53	299.4	76.02	289.1	72.98	279.8	70.17	260.7	64.32
	15	13.7	332.8	81.44	318.2	77.23	299.4	71.57	289.1	68.88	279.8	66.08	260.7	60.75
120%	-19.8	-20	148.3	51.55	147.6	54.57	146.8	57.73	146.8	59.13	146.8	60.75	146	63.79
	-18.8	-19	150.3	52.52	149.5	55.56	149.5	58.58	149.1	59.98	149.1	61.63	148.3	64.64
	-16.7	-17	156.4	54.57	155.6	57.50	154.5	60.31	154.8	61.82	154.8	63.35	154.1	66.16
	-13.7	-15	162.9	56.74	162.1	59.57	161.4	62.26	161.4	63.79	161.4	65.08	160.6	67.89
	-11.8	-13	169.4	58.90	169.4	61.63	168.7	64.23	168.7	65.64	167.9	66.92	167.9	69.65
	-9.8	-11	177.5	61.19	176.7	63.67	176.7	66.28	176	67.56	176	68.77	175.2	71.38
	-9.5	-10	181.7	62.26	181	64.76	180.2	67.24	180.2	68.56	180.2	69.73	179.8	72.22
	-8.5	-9.1	185.5	63.23	184.8	65.64	184.8	68.12	184	69.29	184	70.61	183.2	72.98
	-7	-7.6	192	64.87	192	67.24	191.3	69.53	191.3	70.73	190.5	71.90	190.5	74.18
	-5	-5.6	202.4	66.92	201.6	69.21	200.8	71.46	200.8	72.54	200.8	73.74	200.1	75.79
	-3	-3.7	211.6	68.97	211.6	71.13	210.9	73.22	210.9	74.18	210.4	75.39	210.4	77.43
	0	-0.7	228.5	71.90	228.5	73.86	227.7	75.79	227.7	76.79	227	77.75	227	79.72
	3	2.2	246.8	74.62	246.1	76.35	246.1	78.19	245.3	79.16	245.3	80.04	240.3	79.60
	5	4.1	259.2	76.23	258.4	77.96	258.4	79.72	257.6	80.56	257.6	81.44	240.3	74.71
	7	6	272.2	77.75	272.2	79.40	271.8	81.00	267.2	79.92	258.4	76.67	240.3	70.29
	9	7.9	286.3	79.28	285.6	80.88	276	78.19	267.2	75.06	258.4	72.01	240.3	66.16
	11	9.8	300.9	80.68	293.6	79.28	276	73.54	267.2	70.73	258.4	67.80	240.3	62.38
	13	11.8	311.7	79.92	293.6	74.39	276	68.97	267.2	66.40	258.4	63.79	240.3	58.69
	15	13.7	311.7	75.27	293.6	70.06	276	65.08	267.2	62.47	258.4	60.10	240.3	55.33
110%	-19.8	-20	147.6	56.09	146.8	58.81	146	61.63	146	63.03	146.1	64.43	145.3	67.24
	-18.8	-19	149.5	56.97	149.1	59.66	149.1	62.47	149.1	63.79	148.3	65.20	148.3	68.00
	-16.7	-17	155.6	58.81	154.8	61.51	157.1	64.23	154.1	65.52	154.1	66.80	153.3	69.41
	-13.7	-15	162.1	60.86	161.4	63.35	160.6	65.96	160.6	67.24	160.6	68.56	159.9	71.05
	-11.8	-13	168.7	62.91	168.7	65.31	167.9	67.68	167.9	68.97	167.2	70.17	167.2	72.66
	-9.8	-11	176.7	64.87	176	67.24	176	69.53	175.2	70.73	175.2	71.90	175.2	74.18
	-9.5	-10	181	65.96	180.2	68.12	179.4	70.50	179.4	71.57	179.4	72.78	179	75.06
	-8.5	-9.1	184.8	66.80	184	68.97	184	71.25	183.2	72.45	183.2	73.54	183.2	76.04
	-7	-7.6	191.3	68.33	191.3	70.38	190.5	72.54	190.5	73.63	190.5	74.71	189.8	76.87
	-5	-5.6	201.6	70.29	200.8	72.34	200.1	74.30	200.1	75.39	200.1	76.35	199.3	78.52
	-3	-3.7	210.9	72.01	210.9	73.98	210.4	75.91	210.4	76.87	209.7	77.87	209.7	79.80
	0	-0.7	227.7	74.71	227.7	76.55	227	78.40	227	79.28	227	80.12	220.4	78.63
	3	2.2	246.1	77.23	245.3	78.84	245.3	80.56	244.6	81.32	236.5	77.96	220.4	71.57
	5	4.1	258.4	78.72	258.4	80.36	253.4	79.60	244.6	76.35	236.5	73.30	220.4	67.24
	7	6	271.4	80.12	269.5	80.68	253.4	74.71	244.6	71.81	236.5	68.97	220.4	63.35
	9	7.9	285.6	81.44	269.5	75.79	253.4	70.29	244.6	67.56	236.5	64.87	220.4	59.66
	11	9.8	285.6	76.67	269.5	71.38	253.4	66.16	244.6	63.67	236.5	61.19	220.4	56.33
	13	11.8	285.6	71.90	269.5	66.92	253.4	62.15	244.6	59.90	236.5	57.50	220.4	53.08
	15	13.7	285.6	63.79	269.5	63.14	253.4	58.69	244.6	56.53	236.5	54.36	220.4	50.15

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	146.8	60.54	146	63.03	146	65.64	145.3	66.92	145.3	68.12	144.5	70.73
	-18.8	-19	149.1	61.30	149.1	63.79	148.3	66.40	148.3	67.68	147.6	68.97	147.6	71.46
	-16.7	-17	154.8	63.03	154.1	65.52	154.1	67.89	153.3	69.09	153.3	70.29	153.3	72.78
	-13.7	-15	161.4	64.87	160.6	67.24	159.9	69.53	159.9	70.73	159.9	71.90	159.1	74.18
	-11.8	-13	167.9	66.80	167.9	68.97	167.2	71.13	167.2	72.34	167.2	73.42	166.4	75.70
	-9.8	-11	176	68.56	175.2	70.73	175.2	72.89	175.2	73.98	174.4	74.95	174.4	77.11
	-9.5	-10	180.2	69.53	179.8	71.57	179.8	73.63	179	74.71	179	75.79	178.2	77.87
	-8.5	-9.1	184	70.29	183.2	72.45	183.2	74.39	183.2	75.39	182.5	76.46	182.5	78.40
	-7	-7.6	190.5	71.69	190.5	73.63	189.8	75.58	189.8	76.67	189.8	77.55	189	79.60
	-5	-5.6	200.8	73.54	200.1	75.39	200.1	77.23	199.3	78.08	199.3	79.04	198.6	81.00
	-3	-3.7	210.4	75.14	210.4	78.21	209.7	79.72	209.7	79.60	209.7	80.44	200.8	83.11
	0	-0.7	227	77.55	227	79.28	226.2	80.88	222.7	79.60	215.4	76.23	200.8	85.17
	3	2.2	245.3	79.80	244.6	81.32	230	75.27	222.7	72.34	215.4	69.41	200.8	87.19
	5	4.1	257.6	81.32	244.6	76.35	230	70.73	222.7	68.12	215.4	65.40	200.8	89.21
	7	6	259.2	77.11	244.6	71.81	230	66.60	222.7	64.11	215.4	61.63	200.8	91.23
	9	7.9	259.2	72.45	244.6	67.56	230	62.70	222.7	59.57	215.4	58.06	200.8	93.25
90%	-19.8	-20	145.7	65.08	144.9	67.24	144.9	69.65	144.2	70.73	144.2	71.90	144.2	74.18
	-18.8	-19	148	65.72	148	68.12	147.2	70.29	147.2	71.46	147.2	72.54	146.5	74.83
	-16.7	-17	153.7	67.36	153	69.53	153	71.69	153	72.78	152.2	73.86	152.2	76.02
	-13.7	-15	160.3	68.97	159.5	71.13	159.5	73.22	158.7	74.18	158.7	75.27	158.7	77.31
	-11.8	-13	166.8	70.73	166.8	72.66	166.3	74.62	166.3	75.70	166.3	76.67	165.6	78.63
	-9.8	-11	174.8	72.34	174.8	74.18	174.1	76.14	174.1	77.11	174.1	78.08	173.3	80.04
	-9.5	-10	179.4	73.22	178.6	75.06	178.6	76.87	177.9	77.87	177.9	78.84	177.9	80.56
	-8.5	-9.1	182.9	73.98	182.9	75.79	182.1	77.55	182.1	78.40	182.1	79.40	180.1	80.12
	-7	-7.6	189.4	75.14	189.4	76.87	188.6	78.72	188.6	79.60	188.6	80.44	180.1	76.55
	-5	-5.6	199.7	76.79	199	78.40	199	80.12	198.2	81.00	193.2	78.40	180.1	71.90
	-3	-3.7	209.3	78.31	209.3	79.80	207	80.12	199.7	76.99	193.2	73.86	180.1	67.80
	0	-0.7	226.6	80.56	220.1	78.52	207	72.78	199.7	69.85	193.2	67.12	180.1	61.63
	3	2.2	233.1	76.67	220.1	71.46	207	66.28	199.7	63.79	193.2	61.19	180.1	56.41
	5	4.1	233.1	72.13	220.1	67.24	207	62.47	199.7	59.98	193.2	57.81	180.1	53.16
	7	6	233.1	67.80	220.1	63.35	207	58.81	199.7	56.65	193.2	54.48	180.1	50.23
	9	7.9	233.1	63.91	220.1	59.57	207	55.45	199.7	53.48	193.2	51.44	180.1	47.54
	11	9.8	233.1	60.22	220.1	56.21	207	52.40	199.7	50.47	193.2	48.63	180.1	44.93
80%	-19.8	-20	145.3	69.53	144.5	71.57	144.5	73.63	144.5	74.62	143.8	75.70	143.8	77.64
	-18.8	-19	147.6	70.17	147.6	72.22	146.8	74.18	146.8	75.27	146.8	76.23	146	78.31
	-16.7	-17	153.3	71.57	152.6	73.54	152.6	75.47	152.6	76.46	152.6	77.43	151.8	79.28
	-13.7	-15	159.9	73.10	159.1	74.95	159.1	76.79	159.1	77.64	158.3	78.63	158.3	80.56
	-11.8	-13	166.4	74.51	166.4	76.35	165.6	78.08	165.6	78.96	165.6	79.92	160.6	77.75
	-9.8	-11	174.4	76.02	174.4	77.75	173.7	79.48	173.7	80.24	172.5	80.12	160.6	73.42
	-9.5	-10	179	76.79	178.2	78.40	178.2	80.12	178.2	81.00	172.5	77.75	160.6	71.25
	-8.5	-9.1	182.5	77.55	169.8	79.16	181.7	80.68	178.2	78.84	172.5	75.70	160.6	69.41
	-7	-7.6	189	78.63	189	80.12	184	78.40	178.2	75.39	172.5	72.34	160.6	66.40
	-5	-5.6	199.3	80.04	195.5	79.60	184	73.63	178.2	70.82	172.5	68.00	160.6	62.47
	-3	-3.7	207.4	80.44	195.5	74.95	184	69.41	178.2	66.80	172.5	64.11	160.6	59.02
	0	-0.7	207.4	72.98	195.5	68.00	184	63.14	178.2	60.75	172.5	58.37	160.6	53.80
	3	2.2	207.4	66.48	195.5	62.07	184	57.73	178.2	55.56	172.5	53.48	160.6	49.27
	5	4.1	207.4	62.59	195.5	58.49	184	54.36	178.2	52.40	172.5	50.47	160.6	46.58
	7	6	207.4	59.02	195.5	55.24	184	51.32	178.2	49.59	172.5	47.75	160.6	44.09
	9	7.9	207.4	55.65	195.5	52.08	184	48.50	178.2	46.78	172.5	45.17	160.6	41.80
	11	9.8	207.4	52.64	195.5	49.15	184	45.90	178.2	44.30	172.5	42.77	160.6	39.64
	13	11.8	207.4	49.59	195.5	46.46	184	43.42	178.2	41.92	172.5	40.40	160.6	37.47
	15	13.7	207.4	46.90	195.5	44.09	184	41.16	178.2	39.76	172.5	38.35	160.6	35.62

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	144.2	74.07	143.4	75.79	143.4	77.55	143.4	78.40	143.4	79.40	139.9	78.52
	-18.8	-19	146.4	74.62	146.4	76.35	145.7	78.08	145.7	78.96	145.7	79.92	139.9	76.87
	-16.7	-17	152.2	75.79	152.2	77.55	151.4	79.28	151.4	80.12	150.2	71.38	139.9	73.30
	-13.7	-15	158.7	77.11	158	78.84	158	80.44	155.2	79.28	150.2	76.02	139.9	69.73
	-11.8	-13	165.2	78.40	165.2	80.04	161	78.08	155.2	75.06	150.2	72.01	139.9	66.08
	-9.8	-11	173.3	79.72	171.3	79.72	161	73.74	155.2	70.94	150.2	68.12	139.9	62.47
	-9.5	-10	177.8	80.44	171.3	77.31	161	71.57	155.2	68.88	150.2	66.16	139.9	60.75
	-8.5	-9.1	181.3	80.88	171.3	75.27	161	69.73	155.2	67.04	150.2	64.43	139.9	59.22
	-7	-7.6	181.3	77.23	171.3	71.90	161	66.72	155.2	64.23	150.2	61.63	139.9	56.74
	-5	-5.6	181.3	72.54	171.3	67.68	161	62.82	155.2	60.31	150.2	71.38	139.9	53.48
	-3	-3.7	181.3	68.33	171.3	63.79	161	59.22	155.2	56.97	150.2	54.80	139.9	50.59
	0	-0.7	181.3	62.15	171.3	58.14	161	54.04	155.2	52.08	150.2	50.15	139.9	46.34
	3	2.2	181.3	56.85	171.3	53.16	161	49.59	155.2	47.75	150.2	46.02	139.9	42.57
	5	4.1	181.3	53.60	171.3	50.15	161	46.90	155.2	45.17	150.2	43.53	139.9	40.28
	7	6	181.3	50.67	171.3	47.43	161	44.30	155.2	42.77	150.2	41.25	139.9	38.23
	9	7.9	181.3	47.87	171.3	44.93	161	41.92	155.2	40.48	150.2	39.08	139.9	36.27
	11	9.8	181.3	45.26	171.3	42.45	161	39.76	155.2	38.44	150.2	37.15	139.9	34.43
	13	11.8	181.3	42.77	171.3	40.16	161	37.59	155.2	36.39	150.2	35.10	139.9	32.70
	15	13.7	181.3	40.60	171.3	38.12	161	35.74	155.2	34.55	150.2	33.34	139.9	31.17
60%	-19.8	-20	143.8	78.52	143	80.04	138	76.99	133.8	73.98	129.2	71.05	120.4	65.08
	-18.8	-19	146	79.04	146	80.56	138	75.39	133.8	72.34	129.2	69.41	120.4	63.79
	-16.7	-17	151.8	80.12	146.8	77.55	138	71.90	133.8	69.09	129.2	66.40	120.4	60.98
	-13.7	-15	155.6	79.28	146.8	73.63	138	68.33	133.8	65.72	129.2	63.14	120.4	58.06
	-11.8	-13	155.6	74.95	146.8	69.73	138	64.76	133.8	62.38	129.2	59.90	120.4	55.45
	-9.8	-11	155.6	70.82	146.8	65.96	138	61.30	133.8	59.02	129.2	56.74	120.4	52.32
	-9.5	-10	155.6	68.88	146.8	64.23	138	59.57	133.8	57.41	129.2	55.24	120.4	50.91
	-8.5	-9.1	155.6	67.04	146.8	62.47	138	58.14	133.8	55.97	129.2	53.80	120.4	49.59
	-7	-7.6	155.6	64.11	146.8	59.90	138	55.65	133.8	53.60	129.2	51.55	120.4	47.66
	-5	-5.6	155.6	60.31	146.8	56.41	138	52.52	133.8	50.59	129.2	48.75	120.4	45.05
	-3	-3.7	155.6	56.97	146.8	53.28	138	49.59	133.8	47.87	129.2	46.14	120.4	42.65
	0	-0.7	155.6	52.08	146.8	48.75	138	45.49	133.8	43.97	129.2	42.33	120.4	39.20
	3	2.2	155.6	47.75	146.8	44.82	138	41.92	133.8	40.40	129.2	39.00	120.4	36.18
	5	4.1	155.6	45.17	146.8	42.33	138	39.64	133.8	38.35	129.2	36.91	120.4	34.34
	7	6	155.6	42.77	146.8	40.16	138	37.59	133.8	36.27	129.2	35.10	120.4	32.58
	9	7.9	155.6	40.48	146.8	38.00	138	35.62	133.8	34.55	129.2	33.26	120.4	31.09
	11	9.8	155.6	38.44	146.8	36.18	138	33.90	133.8	32.82	129.2	31.61	120.4	29.57
	13	11.8	155.6	36.27	146.8	34.22	138	32.17	133.8	31.17	129.2	30.10	120.4	28.16
	15	13.7	155.6	34.55	146.8	32.49	138	30.65	133.8	29.69	129.2	28.69	120.4	26.84
50%	-19.8	-20	129.6	71.46	122.3	66.48	115	61.74	110.8	59.46	107	57.18	99.7	52.64
	-18.8	-19	129.6	69.85	122.3	65.08	115	60.54	110.8	58.25	107	55.97	99.7	51.67
	-16.7	-17	129.6	66.72	122.3	62.15	115	57.81	110.8	55.65	107	53.60	99.7	49.50
	-13.7	-15	129.6	63.47	122.3	59.22	115	55.12	110.8	53.08	107	51.11	99.7	47.22
	-11.8	-13	129.6	60.31	122.3	56.33	115	52.40	110.8	50.47	107	48.63	99.7	44.93
	-9.8	-11	129.6	57.06	122.3	53.40	115	49.71	110.8	47.87	107	46.14	99.7	42.77
	-9.5	-10	129.6	55.56	122.3	51.88	115	48.42	110.8	46.66	107	44.93	99.7	41.57
	-8.5	-9.1	129.6	54.16	122.3	50.67	115	47.22	110.8	45.58	107	43.97	99.7	40.60
	-7	-7.6	129.6	51.88	122.3	48.63	115	45.26	110.8	43.74	107	42.24	99.7	39.08
	-5	-5.6	129.6	48.94	122.3	45.90	115	42.89	110.8	41.48	107	39.96	99.7	37.03
	-3	-3.7	129.6	46.34	122.3	43.53	115	40.60	110.8	39.32	107	37.91	99.7	35.18
	0	-0.7	129.6	42.57	122.3	39.96	115	37.47	110.8	36.18	107	34.99	99.7	32.49
	3	2.2	129.6	39.20	122.3	36.83	115	34.55	110.8	33.34	107	32.26	99.7	30.10
	5	4.1	129.6	37.15	122.3	34.99	115	32.82	110.8	31.73	107	30.77	99.7	28.60
	7	6	129.6	35.31	122.3	33.26	115	31.17	110.8	30.21	107	29.25	99.7	27.28
	9	7.9	129.6	33.46	122.3	31.61	115	29.69	110.8	28.81	107	27.84	99.7	26.00
	11	9.8	129.6	31.85	122.3	30.01	115	28.25	110.8	27.40	107	26.52	99.7	24.80
	13	11.8	129.6	30.33	122.3	28.60	115	26.84	110.8	26.12	107	25.24	99.7	23.71
	15	13.7	129.6	28.81	122.3	27.28	115	25.68	110.8	24.91	107	24.15	99.7	22.63

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	103.5	54.33	97.8	50.55	92	46.90	88.5	45.17	85.5	43.45	79.7	40.00
	-18.8	-19	103.5	53.08	97.8	49.47	92	46.01	88.5	44.29	85.5	42.57	79.7	39.27
	-16.7	-17	103.5	50.71	97.8	47.23	92	43.94	88.5	42.29	85.5	40.72	79.7	37.59
	-13.7	-15	103.5	48.22	97.8	45.02	92	41.89	88.5	40.33	85.5	38.84	79.7	35.88
	-11.8	-13	103.5	45.86	97.8	42.81	92	39.83	88.5	38.36	85.5	36.95	79.7	34.15
	-9.8	-11	103.5	43.37	97.8	40.57	92	37.79	88.5	36.39	85.5	35.06	79.7	32.50
	-9.5	-10	103.5	42.21	97.8	39.44	92	36.79	88.5	35.47	85.5	34.15	79.7	31.61
	-8.5	-9.1	103.5	41.16	97.8	38.51	92	35.88	88.5	34.66	85.5	33.42	79.7	30.86
	-7	-7.6	103.5	39.44	97.8	36.95	92	34.39	88.5	33.26	85.5	32.10	79.7	29.73
	-5	-5.6	103.5	37.20	97.8	34.90	92	32.58	88.5	31.53	85.5	30.37	79.7	28.16
	-3	-3.7	103.5	35.23	97.8	33.10	92	30.86	88.5	29.89	85.5	28.81	79.7	26.76
	0	-0.7	103.5	32.34	97.8	30.37	92	28.48	88.5	27.49	85.5	26.60	79.7	24.68
	3	2.2	103.5	29.80	97.8	27.97	92	26.24	88.5	25.35	85.5	24.51	79.7	22.87
	5	4.1	103.5	28.24	97.8	26.60	92	24.95	88.5	24.12	85.5	23.38	79.7	21.74
	7	6	103.5	26.84	97.8	25.28	92	23.71	88.5	22.95	85.5	22.22	79.7	20.74
30%	9	7.9	103.5	25.44	97.8	24.03	92	22.55	88.5	21.91	85.5	21.14	79.7	19.74
	11	9.8	103.5	24.19	97.8	22.79	92	21.47	88.5	20.82	85.5	20.18	79.7	18.86
	13	11.8	103.5	23.04	97.8	21.74	92	20.42	88.5	19.82	85.5	19.17	79.7	18.01
	15	13.7	103.5	21.91	97.8	20.74	92	19.50	88.5	18.93	85.5	18.34	79.7	17.21
	-19.8	-20	77.8	39.88	73.2	37.11	69	27.56	66.3	33.17	64.1	31.90	59.8	29.37
	-18.8	-19	77.8	38.96	73.2	36.32	69	27.04	66.3	32.50	64.1	31.25	59.8	28.81
	-16.7	-17	77.8	37.23	73.2	34.70	69	25.80	66.3	31.06	64.1	29.93	59.8	27.60
	-13.7	-15	77.8	35.43	73.2	33.06	69	24.60	66.3	29.61	64.1	28.52	59.8	26.36
	-11.8	-13	77.8	33.66	73.2	31.42	69	23.39	66.3	28.16	64.1	27.12	59.8	25.08
	-9.8	-11	77.8	31.85	73.2	29.80	69	22.19	66.3	26.71	64.1	25.75	59.8	23.88
	-9.5	-10	77.8	31.01	73.2	28.93	69	21.62	66.3	26.04	64.1	25.08	59.8	23.19
	-8.5	-9.1	77.8	30.21	73.2	28.28	69	21.07	66.3	25.44	64.1	24.51	59.8	22.67
	-7	-7.6	77.8	28.93	73.2	27.12	69	20.22	66.3	24.40	64.1	23.55	59.8	21.82
	-5	-5.6	77.8	27.32	73.2	25.63	69	19.14	66.3	23.15	64.1	22.30	59.8	20.66
	-3	-3.7	77.8	25.88	73.2	24.27	69	18.14	66.3	21.95	64.1	21.14	59.8	19.62
	0	-0.7	77.8	23.75	73.2	22.30	69	16.73	66.3	20.18	64.1	19.50	59.8	18.14
20%	3	2.2	77.8	21.86	73.2	20.55	69	15.41	66.3	18.62	64.1	18.01	59.8	16.81
	5	4.1	77.8	20.73	73.2	19.50	69	14.65	66.3	17.70	64.1	17.17	59.8	15.97
	7	6	77.8	19.70	73.2	18.53	69	13.92	66.3	16.85	64.1	16.33	59.8	15.25
	9	7.9	77.8	18.66	73.2	17.66	69	13.24	66.3	16.08	64.1	15.53	59.8	14.49
	11	9.8	77.8	17.77	73.2	16.73	69	12.60	66.3	15.29	64.1	14.81	59.8	13.84
	13	11.8	77.8	16.93	73.2	15.97	69	11.99	66.3	14.57	64.1	14.08	59.8	13.24
	15	13.7	77.8	16.08	73.2	15.25	69	11.47	66.3	13.89	64.1	13.48	59.8	12.64
	-19.8	-20	51.8	25.72	49	23.95	46	22.22	44.1	21.38	42.9	20.59	39.9	18.94
	-18.8	-19	51.8	25.15	49	23.43	46	21.79	44.1	20.99	42.9	20.15	39.9	18.61
	-16.7	-17	51.8	24.03	49	22.39	46	20.82	44.1	20.02	42.9	19.30	39.9	17.81
	-13.7	-15	51.8	22.83	49	21.34	46	19.85	44.1	19.10	42.9	18.41	39.9	17.01
	-11.8	-13	51.8	21.71	49	20.26	46	18.86	44.1	18.17	42.9	17.50	39.9	16.17
	-9.8	-11	51.8	20.55	49	19.22	46	17.90	44.1	17.22	42.9	16.61	39.9	15.40
	-9.5	-10	51.8	19.98	49	18.66	46	17.41	44.1	16.81	42.9	16.17	39.9	14.96
	-8.5	-9.1	51.8	19.50	49	18.25	46	17.01	44.1	16.41	42.9	15.84	39.9	14.61
	-7	-7.6	51.8	18.66	49	17.50	46	16.29	44.1	15.76	42.9	15.20	39.9	14.08
	-5	-5.6	51.8	17.61	49	16.53	46	15.45	44.1	14.92	42.9	14.40	39.9	13.32
	-3	-3.7	51.8	16.69	49	15.69	46	14.61	44.1	14.16	42.9	13.64	39.9	12.68
	0	-0.7	51.8	15.32	49	14.40	46	13.49	44.1	13.04	42.9	12.60	39.9	11.71
	3	2.2	51.8	14.12	49	13.25	46	12.44	44.1	12.00	42.9	11.63	39.9	10.84
	5	4.1	51.8	13.36	49	12.60	46	11.80	44.1	11.44	42.9	11.07	39.9	10.30
	7	6	51.8	12.71	49	11.96	46	11.24	44.1	10.87	42.9	10.51	39.9	9.83
	9	7.9	51.8	12.04	49	11.39	46	10.67	44.1	10.36	42.9	10.03	39.9	9.35
	11	9.8	51.8	11.47	49	10.80	46	10.19	44.1	9.86	42.9	9.55	39.9	8.94
	13	11.8	51.8	10.91	49	10.30	46	9.67	44.1	9.39	42.9	9.07	39.9	8.54
	15	13.7	51.8	10.36	49	9.83	46	9.23	44.1	8.95	42.9	8.61	39.9	8.15

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR840ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	155.2	48.25	154.8	51.71	154	55.17	154	56.82	153.2	58.51	153.2	61.93
	-18.8	-19	157.6	49.36	156.8	52.70	156.8	56.16	156	57.85	156	59.38	155.2	62.84
	-16.7	-17	164	51.71	163.2	54.93	162.4	58.18	162.4	59.71	162.4	61.40	161.6	64.61
	-13.7	-15	170.8	54.06	170	57.15	169.2	60.28	169.2	61.85	168.4	63.41	168.4	66.50
	-11.8	-13	177.6	56.49	177.6	59.50	176.8	62.38	176	63.95	176	65.52	175.2	68.40
	-9.8	-11	186	58.96	185.2	61.85	184.4	64.61	184.4	66.05	184.4	67.49	183.6	70.42
	-9.5	-10	190.4	60.28	189.6	62.96	188.8	65.72	188.8	67.16	188	68.52	188	71.28
	-8.5	-9.1	194.4	61.27	193.6	63.95	193.6	66.75	192.8	68.07	192.8	69.39	192	72.19
	-7	-7.6	201.2	63.04	201.2	65.72	200.4	68.28	200.4	69.64	199.6	70.83	198.8	73.51
	-5	-5.6	212	65.52	211.2	67.95	210.4	70.42	210.4	71.74	209.6	72.85	209.6	75.28
	-3	-3.7	221.6	67.62	220.8	69.97	220.8	72.27	220	73.51	220	74.75	219.2	76.97
	0	-0.7	239.2	70.83	239.2	73.06	238.4	75.20	238.4	76.06	237.6	77.42	237.6	79.65
	3	2.2	258.4	73.84	257.6	75.86	256.8	77.84	256.8	78.87	256.8	79.98	256	81.87
	5	4.1	271.2	75.61	270.4	77.63	270.4	79.53	269.6	80.51	269.6	81.42	268.8	83.32
	7	6	284.8	77.51	284	79.20	284	81.09	283.2	81.96	283.2	82.86	272	79.65
	9	7.9	299.2	79.07	298.8	80.84	298.8	82.53	298	83.40	292	81.63	272	74.75
120%	11	9.8	314.8	80.64	314	82.29	312.4	83.32	301.6	80.06	292	76.72	272	70.42
	13	11.8	331.2	82.20	330.8	83.73	312.4	78.08	301.6	74.95	292	72.07	272	66.05
	15	13.7	347.2	83.65	332	79.32	312.4	73.51	301.6	70.75	292	67.86	272	62.38
	-19.8	-20	154.8	52.95	154	56.04	153.2	59.29	153.2	60.74	153.2	62.38	152.4	65.52
	-18.8	-19	156.8	53.94	156	57.07	156	60.16	155.6	61.60	155.6	63.29	154.8	66.38
	-16.7	-17	163.2	56.04	162.4	59.05	161.2	61.93	161.6	63.50	161.6	65.06	160.8	67.95
	-13.7	-15	170	58.26	169.2	61.19	168.4	63.95	168.4	65.52	168.4	66.83	167.6	69.72
	-11.8	-13	176.8	60.49	176.8	63.29	176	65.97	176	67.41	175.2	68.73	175.2	71.53
	-9.8	-11	185.2	62.84	184.4	65.39	184.4	68.07	183.6	69.39	183.6	70.63	182.8	73.30
	-9.5	-10	189.6	63.95	188.8	66.50	188	69.06	188	70.42	188	71.61	187.6	74.17
	-8.5	-9.1	193.6	64.94	192.8	67.41	192.8	69.97	192	71.16	192	72.52	191.2	74.95
	-7	-7.6	200.4	66.63	200.4	69.06	199.6	71.41	199.6	72.64	198.8	73.84	198.8	76.19
	-5	-5.6	211.2	68.73	210.4	71.08	209.6	73.39	209.6	74.50	209.6	75.73	208.8	77.84
	-3	-3.7	220.8	70.83	220.8	73.06	220	75.20	220	76.19	219.6	77.42	219.6	79.53
	0	-0.7	238.4	73.84	238.4	75.86	237.6	77.84	237.6	78.87	236.8	79.85	236.8	81.87
	3	2.2	257.6	76.64	256.8	78.41	256.8	80.31	256	81.30	256	82.20	250.8	81.75
	5	4.1	270.4	78.29	269.6	80.06	269.6	81.87	268.8	82.74	268.8	83.65	250.8	76.72
110%	7	6	284	79.85	284	81.54	283.6	83.19	278.8	82.08	269.6	78.74	250.8	72.19
	9	7.9	298.8	81.42	298	83.07	288	80.31	278.8	77.09	269.6	73.96	250.8	67.95
	11	9.8	314	82.86	306.4	81.42	288	75.53	278.8	72.64	269.6	69.64	250.8	64.07
	13	11.8	325.2	82.08	306.4	76.39	288	70.83	278.8	68.19	269.6	65.52	250.8	60.28
	15	13.7	325.2	77.30	306.4	71.94	288	66.83	278.8	64.16	269.6	61.72	250.8	56.82
	-19.8	-20	154	57.60	153.2	60.41	152.4	63.29	152.4	64.73	152.4	66.17	151.6	69.06
	-18.8	-19	156	58.51	155.6	61.27	155.6	64.16	155.6	65.52	154.8	66.96	154.8	69.84
	-16.7	-17	162.4	60.41	161.6	63.17	164	65.97	160.8	67.29	160.8	68.61	160	71.28
	-13.7	-15	169.2	62.51	168.4	65.06	167.6	67.74	167.6	69.06	167.6	70.42	166.8	72.97
	-11.8	-13	176	64.61	176	67.08	175.2	69.51	175.2	70.83	174.4	72.07	174.4	74.62
	-9.8	-11	184.4	66.63	183.6	69.06	183.6	71.41	182.8	72.64	182.8	73.84	182.8	76.19
	-9.5	-10	188.8	67.74	188	69.97	187.2	72.40	187.2	73.51	187.2	74.75	186.8	77.09
	-8.5	-9.1	192.8	68.61	192	70.83	192	73.18	191.2	74.42	191.2	75.53	191.2	78.85
	-7	-7.6	199.6	70.17	199.6	72.27	198.8	74.50	198.8	75.61	198.8	76.72	198	78.95
	-5	-5.6	210.4	72.19	209.6	74.29	208.8	76.31	208.8	77.42	208.8	78.41	208	80.64
	-3	-3.7	220	73.96	220	75.98	219.6	77.96	219.6	78.95	218.8	79.98	218.8	81.96
	0	-0.7	237.6	76.72	237.6	78.62	236.8	80.51	236.8	81.42	236.8	82.29	230	80.76
	3	2.2	256.8	79.32	256	80.97	256	82.74	255.2	83.52	246.8	80.06	230	73.51
	5	4.1	269.6	80.84	269.6	82.53	264.4	81.75	255.2	78.41	246.8	75.28	230	69.06
	7	6	283.2	82.29	281.2	82.86	264.4	76.72	255.2	73.76	246.8	70.83	230	65.06
	9	7.9	298	83.65	281.2	77.84	264.4	72.19	255.2	69.39	246.8	66.63	230	61.27
	11	9.8	298	78.74	281.2	73.30	264.4	67.95	255.2	65.39	246.8	62.84	230	57.85
	13	11.8	298	73.84	281.2	68.73	264.4	63.83	255.2	61.52	246.8	59.05	230	54.51
	15	13.7	298	65.52	281.2	64.86	264.4	60.28	255.2	58.06	246.8	55.83	230	51.51

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	153.2	62.18	152.4	64.73	152.4	67.41	151.6	68.73	151.6	69.97	150.8	72.64
	-18.8	-19	155.6	62.96	155.6	65.52	154.8	68.19	154.8	69.51	154	70.83	154	73.39
	-16.7	-17	161.6	64.73	160.8	67.29	160.8	69.72	160	70.95	160	72.19	160	74.75
	-13.7	-15	168.4	66.63	167.6	69.06	166.8	71.41	166.8	72.64	166.8	73.84	166	76.19
	-11.8	-13	175.2	68.61	175.2	70.83	174.4	73.06	174.4	74.29	174.4	75.40	173.6	77.75
	-9.8	-11	183.6	70.42	182.8	72.64	182.8	74.87	182.8	75.98	182	76.97	182	79.20
	-9.5	-10	188	71.41	187.6	73.51	187.6	75.61	186.8	76.72	186.8	77.84	186	79.98
	-8.5	-9.1	192	72.19	191.2	74.42	191.2	76.39	191.2	77.42	190.4	78.54	190.4	80.51
	-7	-7.6	198.8	73.63	198.8	75.61	198	77.63	198	78.74	198	79.65	197.2	81.75
	-5	-5.6	209.6	75.53	208.8	77.42	208.8	79.32	208	80.18	208	81.17	207.2	83.19
	-3	-3.7	219.6	77.18	219.6	79.05	218.8	80.84	218.8	81.75	218.8	82.62	209.6	79.20
	0	-0.7	236.8	79.65	236.8	81.42	236	83.07	232.4	81.75	224.8	78.29	209.6	71.86
	3	2.2	256	81.96	255.2	83.52	240	77.30	232.4	74.29	224.8	71.28	209.6	65.52
	5	4.1	268.8	83.52	255.2	78.41	240	72.64	232.4	69.97	224.8	67.16	209.6	61.72
	7	6	270.4	79.20	255.2	73.76	240	68.40	232.4	65.85	224.8	63.29	209.6	58.18
	9	7.9	270.4	74.42	255.2	69.39	240	64.40	232.4	61.19	224.8	59.62	209.6	54.93
90%	11	9.8	270.4	70.05	255.2	65.39	240	60.74	232.4	58.51	224.8	56.29	209.6	51.84
	13	11.8	270.4	65.85	255.2	61.52	240	57.15	232.4	55.05	224.8	53.07	209.6	48.95
	15	13.7	270.4	62.05	255.2	58.06	240	54.06	232.4	52.04	224.8	50.06	209.6	46.40
	-19.8	-20	152	66.83	151.2	69.06	151.2	71.53	150.4	72.64	150.4	73.84	150.4	76.19
	-18.8	-19	154.4	67.49	154.4	69.97	153.6	72.19	153.6	73.39	153.6	74.50	152.8	76.85
	-16.7	-17	160.4	69.18	159.6	71.41	159.6	73.63	159.6	74.75	158.8	75.86	158.8	78.08
	-13.7	-15	167.2	70.83	166.4	73.06	166.4	75.20	165.6	76.19	165.6	77.30	165.6	79.40
	-11.8	-13	174	72.64	174	74.62	173.6	76.64	173.6	77.75	173.6	78.74	172.8	80.76
	-9.8	-11	182.4	74.29	182.4	76.19	181.6	78.21	181.6	79.20	181.6	80.18	180.8	82.20
	-9.5	-10	187.2	75.20	186.4	77.09	186.4	78.95	185.6	79.98	185.6	80.97	185.6	82.74
	-8.5	-9.1	190.8	75.98	190.8	77.84	190	79.65	190	80.51	190	81.54	188	82.29
	-7	-7.6	197.6	77.18	197.6	78.95	196.8	80.84	196.8	81.75	196.8	82.62	188	78.62
	-5	-5.6	208.4	78.87	207.6	80.51	207.6	82.29	206.8	83.19	201.6	80.51	188	73.84
	-3	-3.7	218.4	80.43	218.4	81.96	216	82.29	208.4	79.07	201.6	75.86	188	69.64
	0	-0.7	236.4	82.74	229.6	80.64	216	74.75	208.4	71.74	201.6	68.94	188	63.29
	3	2.2	243.2	78.74	229.6	73.39	216	68.07	208.4	65.52	201.6	62.84	188	57.93
	5	4.1	243.2	74.09	229.6	69.06	216	64.16	208.4	61.60	201.6	59.38	188	54.60
80%	7	6	243.2	69.64	229.6	65.06	216	60.41	208.4	58.18	201.6	55.96	188	51.59
	9	7.9	243.2	65.64	229.6	61.19	216	56.95	208.4	54.93	201.6	52.82	188	48.83
	11	9.8	243.2	61.85	229.6	57.73	216	53.81	208.4	51.84	201.6	49.94	188	46.15
	13	11.8	243.2	58.18	229.6	54.51	216	50.72	208.4	48.95	201.6	47.14	188	43.59
	15	13.7	243.2	54.93	229.6	51.38	216	48.04	208.4	46.40	201.6	44.71	188	41.37
	-19.8	-20	151.6	71.41	150.8	73.51	150.8	75.61	150.8	76.64	150	77.75	150	79.73
	-18.8	-19	154	72.07	154	74.17	153.2	76.19	153.2	77.30	153.2	78.29	152.4	80.43
	-16.7	-17	160	73.51	159.2	75.53	159.2	77.51	159.2	78.54	159.2	79.53	158.4	81.42
	-13.7	-15	166.8	75.08	166	76.97	166	78.87	166	79.73	165.2	80.76	165.2	82.74
	-11.8	-13	173.6	76.52	173.6	78.41	172.8	80.18	172.8	81.09	172.8	82.08	167.6	79.85
	-9.8	-11	182	78.08	182	79.85	181.2	81.63	181.2	82.41	180	82.29	167.6	75.40
	-9.5	-10	186.8	78.87	186	80.51	186	82.29	186	83.19	180	79.85	167.6	73.18
	-8.5	-9.1	190.4	79.65	177.2	81.30	189.6	82.86	186	80.97	180	77.75	167.6	71.28
	-7	-7.6	197.2	80.76	197.2	82.29	192	80.51	186	77.42	180	74.29	167.6	68.19
	-5	-5.6	208	82.20	204	81.75	192	75.61	186	72.73	180	69.84	167.6	64.16
	-3	-3.7	216.4	82.62	204	76.97	192	71.28	186	68.61	180	65.85	167.6	60.61
	0	-0.7	216.4	74.95	204	69.84	192	64.86	186	62.38	180	59.95	167.6	55.26
	3	2.2	216.4	68.28	204	63.74	192	59.29	186	57.07	180	54.93	167.6	50.60
	5	4.1	216.4	64.28	204	60.08	192	55.83	186	53.81	180	51.84	167.6	47.84
	7	6	216.4	60.61	204	56.74	192	52.70	186	50.93	180	49.03	167.6	45.28
	9	7.9	216.4	57.15	204	53.48	192	49.82	186	48.04	180	46.40	167.6	42.94
	11	9.8	216.4	54.06	204	50.48	192	47.14	186	45.49	180	43.92	167.6	40.71
	13	11.8	216.4	50.93	204	47.72	192	44.58	186	43.06	180	41.49	167.6	38.49
	15	13.7	216.4	48.17	204	45.28	192	42.28	186	40.83	180	39.39	167.6	36.59

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.8	-20	150.4	76.06	149.6	77.84	149.6	79.65	149.6	80.51	149.6	81.54	146	80.64
	-18.8	-19	152.8	76.64	152.8	78.41	152	80.18	152	81.09	152	82.08	146	78.95
	-16.7	-17	158.8	77.84	158.8	79.65	158	81.42	158	82.29	156.8	73.30	146	75.28
	-13.7	-15	165.6	79.20	164.8	80.97	164.8	82.62	162	81.42	156.8	78.08	146	71.61
	-11.8	-13	172.4	80.51	172.4	82.20	168	80.18	162	77.09	156.8	73.96	146	67.86
	-9.8	-11	180.8	81.87	178.8	81.87	168	75.73	162	72.85	156.8	69.97	146	64.16
	-9.5	-10	185.6	82.62	178.8	79.40	168	73.51	162	70.75	156.8	67.95	146	62.38
	-8.5	-9.1	189.2	83.07	178.8	77.30	168	71.61	162	68.85	156.8	66.17	146	60.82
	-7	-7.6	189.2	79.32	178.8	73.84	168	68.52	162	65.97	156.8	63.29	146	58.26
	-5	-5.6	189.2	74.50	178.8	69.51	168	64.53	162	61.93	156.8	73.30	146	54.93
	-3	-3.7	189.2	70.17	178.8	65.52	168	60.82	162	58.51	156.8	56.29	146	51.96
	0	-0.7	189.2	63.83	178.8	59.71	168	55.50	162	53.48	156.8	51.51	146	47.59
	3	2.2	189.2	58.39	178.8	54.60	168	50.93	162	49.03	156.8	47.26	146	43.72
	5	4.1	189.2	55.05	178.8	51.51	168	48.17	162	46.40	156.8	44.71	146	41.37
	7	6	189.2	52.04	178.8	48.70	168	45.49	162	43.92	156.8	42.36	146	39.27
	9	7.9	189.2	49.16	178.8	46.15	168	43.06	162	41.58	156.8	40.13	146	37.25
	11	9.8	189.2	46.48	178.8	43.59	168	40.83	162	39.47	156.8	38.16	146	35.35
	13	11.8	189.2	43.92	178.8	41.25	168	38.61	162	37.37	156.8	36.05	146	33.58
	15	13.7	189.2	41.70	178.8	39.14	168	36.71	162	35.48	156.8	34.24	146	32.02
60%	-19.8	-20	150	80.64	149.2	82.20	144	79.07	139.6	75.98	134.8	72.97	125.6	66.83
	-18.8	-19	152.4	81.17	152.4	82.74	144	77.42	139.6	74.29	134.8	71.28	125.6	65.52
	-16.7	-17	158.4	82.29	153.2	79.65	144	73.84	139.6	70.95	134.8	68.19	125.6	62.63
	-13.7	-15	162.4	81.42	153.2	75.61	144	70.17	139.6	67.49	134.8	64.86	125.6	59.62
	-11.8	-13	162.4	76.97	153.2	71.61	144	66.50	139.6	64.07	134.8	61.52	125.6	56.95
	-9.8	-11	162.4	72.73	153.2	67.74	144	62.96	139.6	60.61	134.8	58.26	125.6	53.73
	-9.5	-10	162.4	70.75	153.2	65.97	144	61.19	139.6	58.96	134.8	56.74	125.6	52.29
	-8.5	-9.1	162.4	68.85	153.2	64.16	144	59.71	139.6	57.48	134.8	55.26	125.6	50.93
	-7	-7.6	162.4	65.85	153.2	61.52	144	57.15	139.6	55.05	134.8	52.95	125.6	48.95
	-5	-5.6	162.4	61.93	153.2	57.93	144	53.94	139.6	51.96	134.8	50.06	125.6	46.27
	-3	-3.7	162.4	58.51	153.2	54.72	144	50.93	139.6	49.16	134.8	47.39	125.6	43.80
	0	-0.7	162.4	53.48	153.2	50.06	144	46.73	139.6	45.16	134.8	43.47	125.6	40.26
	3	2.2	162.4	49.03	153.2	46.03	144	43.06	139.6	41.49	134.8	40.05	125.6	37.17
	5	4.1	162.4	46.40	153.2	43.47	144	40.71	139.6	39.39	134.8	37.91	125.6	35.27
	7	6	162.4	43.92	153.2	41.25	144	38.61	139.6	37.25	134.8	36.05	125.6	33.46
	9	7.9	162.4	41.58	153.2	39.02	144	36.59	139.6	35.48	134.8	34.16	125.6	31.93
	11	9.8	162.4	39.47	153.2	37.17	144	34.82	139.6	33.71	134.8	32.47	125.6	30.37
	13	11.8	162.4	37.25	153.2	35.15	144	33.05	139.6	32.02	134.8	30.90	125.6	28.93
	15	13.7	162.4	35.48	153.2	33.38	144	31.48	139.6	30.49	134.8	29.46	125.6	27.57
50%	-19.8	-20	135.2	73.39	127.6	68.28	120	63.41	115.6	61.07	111.6	58.72	104	54.06
	-18.8	-19	135.2	71.74	127.6	66.83	120	62.18	115.6	59.83	111.6	57.48	104	53.07
	-16.7	-17	135.2	68.52	127.6	63.83	120	59.38	115.6	57.15	111.6	55.05	104	50.85
	-13.7	-15	135.2	65.19	127.6	60.82	120	56.62	115.6	54.51	111.6	52.49	104	48.50
	-11.8	-13	135.2	61.93	127.6	57.85	120	53.81	115.6	51.84	111.6	49.94	104	46.15
	-9.8	-11	135.2	58.59	127.6	54.84	120	51.05	115.6	49.16	111.6	47.39	104	43.92
	-9.5	-10	135.2	57.07	127.6	53.28	120	49.73	115.6	47.92	111.6	46.15	104	42.69
	-8.5	-9.1	135.2	55.63	127.6	52.04	120	48.50	115.6	46.81	111.6	45.16	104	41.70
	-7	-7.6	135.2	53.28	127.6	49.94	120	46.48	115.6	44.91	111.6	43.39	104	40.13
	-5	-5.6	135.2	50.27	127.6	47.14	120	44.05	115.6	42.61	111.6	41.04	104	38.03
	-3	-3.7	135.2	47.59	127.6	44.71	120	41.70	115.6	40.38	111.6	38.94	104	36.14
	0	-0.7	135.2	43.72	127.6	41.04	120	38.49	115.6	37.17	111.6	35.93	104	33.38
	3	2.2	135.2	40.26	127.6	37.83	120	35.48	115.6	34.24	111.6	33.13	104	30.90
	5	4.1	135.2	38.16	127.6	35.93	120	33.71	115.6	32.59	111.6	31.60	104	29.38
	7	6	135.2	36.26	127.6	34.16	120	32.02	115.6	31.03	111.6	30.04	104	28.02
	9	7.9	135.2	34.36	127.6	32.47	120	30.49	115.6	29.59	111.6	28.60	104	26.70
	11	9.8	135.2	32.72	127.6	30.82	120	29.01	115.6	28.14	111.6	27.24	104	25.46
	13	11.8	135.2	31.15	127.6	29.38	120	27.57	115.6	26.82	111.6	25.92	104	24.35
	15	13.7	135.2	29.59	127.6	28.02	120	26.37	115.6	25.59	111.6	24.81	104	23.24

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	108	55.79	102	51.92	96	48.17	92.4	46.40	89.2	44.62	83.2	41.08
	-18.8	-19	108	54.51	102	50.81	96	47.26	92.4	45.49	89.2	43.72	83.2	40.34
	-16.7	-17	108	52.08	102	48.50	96	45.12	92.4	43.43	89.2	41.82	83.2	38.61
	-13.7	-15	108	49.53	102	46.23	96	43.02	92.4	41.41	89.2	39.89	83.2	36.84
	-11.8	-13	108	47.10	102	43.97	96	40.92	92.4	39.39	89.2	37.95	83.2	35.07
	-9.8	-11	108	44.54	102	41.66	96	38.81	92.4	37.37	89.2	36.01	83.2	33.38
	-9.5	-10	108	43.35	102	40.50	96	37.78	92.4	36.43	89.2	35.07	83.2	32.47
	-8.5	-9.1	108	42.28	102	39.56	96	36.84	92.4	35.60	89.2	34.32	83.2	31.69
	-7	-7.6	108	40.50	102	37.95	96	35.31	92.4	34.16	89.2	32.96	83.2	30.53
	-5	-5.6	108	38.20	102	35.85	96	33.46	92.4	32.39	89.2	31.19	83.2	28.93
	-3	-3.7	108	36.18	102	33.99	96	31.69	92.4	30.70	89.2	29.59	83.2	27.48
	0	-0.7	108	33.21	102	31.19	96	29.26	92.4	28.23	89.2	27.32	83.2	25.34
	3	2.2	108	30.62	102	28.72	96	26.95	92.4	26.04	89.2	25.18	83.2	23.49
	5	4.1	108	29.01	102	27.32	96	25.63	92.4	24.76	89.2	24.02	83.2	22.33
	7	6	108	27.57	102	25.96	96	24.35	92.4	23.57	89.2	22.83	83.2	21.30
30%	9	7.9	108	26.12	102	24.68	96	23.16	92.4	22.50	89.2	21.71	83.2	20.27
	11	9.8	108	24.85	102	23.40	96	22.04	92.4	21.39	89.2	20.73	83.2	19.37
	13	11.8	108	23.65	102	22.33	96	20.97	92.4	20.36	89.2	19.70	83.2	18.50
	15	13.7	108	22.50	102	21.30	96	20.03	92.4	19.45	89.2	18.83	83.2	17.68
	-19.8	-20	81.2	40.96	76.4	38.11	72	28.31	69.2	34.08	66.8	32.76	62.4	30.16
	-18.8	-19	81.2	40.01	76.4	37.29	72	27.77	69.2	33.38	66.8	32.10	62.4	29.59
	-16.7	-17	81.2	38.24	76.4	35.64	72	26.49	69.2	31.89	66.8	30.74	62.4	28.35
	-13.7	-15	81.2	36.38	76.4	33.95	72	25.26	69.2	30.41	66.8	29.30	62.4	27.07
	-11.8	-13	81.2	34.57	76.4	32.26	72	24.02	69.2	28.93	66.8	27.85	62.4	25.75
	-9.8	-11	81.2	32.72	76.4	30.62	72	22.79	69.2	27.44	66.8	26.45	62.4	24.52
	-9.5	-10	81.2	31.85	76.4	29.71	72	22.21	69.2	26.74	66.8	25.75	62.4	23.82
	-8.5	-9.1	81.2	31.03	76.4	29.05	72	21.63	69.2	26.12	66.8	25.18	62.4	23.28
	-7	-7.6	81.2	29.71	76.4	27.85	72	20.77	69.2	25.05	66.8	24.19	62.4	22.42
	-5	-5.6	81.2	28.06	76.4	26.33	72	19.65	69.2	23.78	66.8	22.91	62.4	21.22
	-3	-3.7	81.2	26.58	76.4	24.93	72	18.62	69.2	22.54	66.8	21.71	62.4	20.15
	0	-0.7	81.2	24.39	76.4	22.91	72	17.18	69.2	20.73	66.8	20.03	62.4	18.62
20%	3	2.2	81.2	22.46	76.4	21.10	72	15.82	69.2	19.12	66.8	18.50	62.4	17.26
	5	4.1	81.2	21.30	76.4	20.03	72	15.04	69.2	18.17	66.8	17.64	62.4	16.40
	7	6	81.2	20.23	76.4	19.04	72	14.30	69.2	17.31	66.8	16.77	62.4	15.66
	9	7.9	81.2	19.16	76.4	18.13	72	13.60	69.2	16.52	66.8	15.95	62.4	14.87
	11	9.8	81.2	18.25	76.4	17.18	72	12.94	69.2	15.70	66.8	15.20	62.4	14.22
	13	11.8	81.2	17.39	76.4	16.40	72	12.32	69.2	14.96	66.8	14.46	62.4	13.60
	15	13.7	81.2	16.52	76.4	15.66	72	11.78	69.2	14.26	66.8	13.84	62.4	12.98
	-19.8	-20	54	26.41	51.2	24.60	48	22.83	46	21.96	44.8	21.14	41.6	19.45
	-18.8	-19	54	25.84	51.2	24.06	48	22.37	46	21.55	44.8	20.68	41.6	19.12
	-16.7	-17	54	24.68	51.2	22.99	48	21.39	46	20.56	44.8	19.82	41.6	18.29
	-13.7	-15	54	23.45	51.2	21.92	48	20.40	46	19.61	44.8	18.91	41.6	17.47
	-11.8	-13	54	22.29	51.2	20.81	48	19.37	46	18.67	44.8	17.97	41.6	16.61
	-9.8	-11	54	21.10	51.2	19.74	48	18.38	46	17.68	44.8	17.06	41.6	15.82
	-9.5	-10	54	20.52	51.2	19.16	48	17.88	46	17.26	44.8	16.61	41.6	15.37
	-8.5	-9.1	54	20.03	51.2	18.75	48	17.47	46	16.85	44.8	16.28	41.6	15.00
	-7	-7.6	54	19.16	51.2	17.97	48	16.73	46	16.19	44.8	15.62	41.6	14.46
	-5	-5.6	54	18.09	51.2	16.98	48	15.86	46	15.33	44.8	14.79	41.6	13.68
	-3	-3.7	54	17.14	51.2	16.11	48	15.00	46	14.55	44.8	14.01	41.6	13.02
	0	-0.7	54	15.74	51.2	14.79	48	13.84	46	13.39	44.8	12.94	41.6	12.03
	3	2.2	54	14.50	51.2	13.60	48	12.77	46	12.32	44.8	11.95	41.6	11.13
	5	4.1	54	13.72	51.2	12.94	48	12.11	46	11.74	44.8	11.37	41.6	10.59
	7	6	54	13.06	51.2	12.28	48	11.54	46	11.17	44.8	10.80	41.6	10.10
	9	7.9	54	12.36	51.2	11.70	48	10.96	46	10.63	44.8	10.30	41.6	9.60
	11	9.8	54	11.78	51.2	11.08	48	10.47	46	10.14	44.8	9.81	41.6	9.19
	13	11.8	54	11.21	51.2	10.59	48	9.93	46	9.64	44.8	9.31	41.6	8.78
	15	13.7	54	10.63	51.2	10.10	48	9.48	46	9.19	44.8	24.81	41.6	8.36

Note: TC: Total capacity, PI: Power input.

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**■ TMR860ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	155.2	48.96	154.8	52.47	154	55.98	154	57.65	153.2	59.37	153.2	62.84
	-18.8	-19	157.6	50.09	156.8	53.47	156.8	56.98	156	58.70	156	60.24	155.2	63.76
	-16.7	-17	164	52.47	163.2	55.73	162.4	59.03	162.4	60.58	162.4	62.29	161.6	65.55
	-13.7	-15	170.8	54.85	170	57.99	169.2	61.16	169.2	62.75	168.4	64.34	168.4	67.48
	-11.8	-13	177.6	57.32	177.6	60.37	176.8	63.30	176	64.88	176	66.47	175.2	69.40
	-9.8	-11	186	59.83	185.2	62.75	184.4	65.55	184.4	67.02	184.4	68.48	183.6	71.45
	-9.5	-10	190.4	61.16	189.6	63.88	188.8	66.68	188.8	68.15	188	69.53	188	72.33
	-8.5	-9.1	194.4	62.17	193.6	64.88	193.6	67.73	192.8	69.07	192.8	70.40	192	73.25
	-7	-7.6	201.2	63.97	201.2	66.68	200.4	69.27	200.4	70.65	199.6	71.87	198.8	74.58
	-5	-5.6	212	66.47	211.2	68.94	210.4	71.45	210.4	72.79	209.6	73.92	209.6	76.38
	-3	-3.7	221.6	68.61	220.8	70.99	220.8	73.33	220	74.58	220	75.84	219.2	78.10
	0	-0.7	239.2	71.87	239.2	74.12	238.4	76.30	238.4	77.18	237.6	78.56	237.6	80.81
	3	2.2	258.4	74.92	257.6	76.97	256.8	78.97	256.8	80.02	256.8	81.15	256	83.07
	5	4.1	271.2	76.72	270.4	78.76	270.4	80.69	269.6	81.69	269.6	82.61	268.8	84.53
	7	6	284.8	78.64	284	80.35	284	82.28	283.2	83.15	283.2	84.07	272	80.81
	9	7.9	299.2	80.23	298.8	82.03	298.8	83.74	298	84.62	292	82.82	272	75.84
120%	11	9.8	314.8	81.82	314	83.49	312.4	84.53	301.6	81.23	292	77.85	272	71.45
	13	11.8	331.2	83.41	330.8	84.95	312.4	79.22	301.6	76.05	292	73.12	272	67.02
	15	13.7	347.2	84.87	332	80.48	312.4	74.58	301.6	71.78	292	68.86	272	63.30
	-19.8	-20	154.8	53.72	154	56.86	153.2	60.16	153.2	61.62	153.2	63.30	152.4	66.47
	-18.8	-19	156.8	54.73	156	57.90	156	61.04	155.6	62.50	155.6	64.22	154.8	67.35
	-16.7	-17	163.2	56.86	162.4	59.91	161.2	62.84	161.6	64.42	161.6	66.01	160.8	68.94
	-13.7	-15	170	59.12	169.2	62.08	168.4	64.88	168.4	66.47	168.4	67.81	167.6	70.74
	-11.8	-13	176.8	61.37	176.8	64.22	176	66.93	176	68.40	175.2	69.73	175.2	72.58
	-9.8	-11	185.2	63.76	184.4	66.35	184.4	69.07	183.6	70.40	183.6	71.66	182.8	74.38
	-9.5	-10	189.6	64.88	188.8	67.48	188	70.07	188	71.45	188	72.66	187.6	75.25
	-8.5	-9.1	193.6	65.89	192.8	68.40	192.8	70.99	192	72.20	192	73.58	191.2	76.05
	-7	-7.6	200.4	67.60	200.4	70.07	199.6	72.45	199.6	73.71	198.8	74.92	198.8	77.30
	-5	-5.6	211.2	69.73	210.4	72.12	209.6	74.46	209.6	75.59	209.6	76.84	208.8	78.97
	-3	-3.7	220.8	71.87	220.8	74.12	220	76.30	220	77.30	219.6	78.56	219.6	80.69
	0	-0.7	238.4	74.92	238.4	76.97	237.6	78.97	237.6	80.02	236.8	81.02	236.8	83.07
	3	2.2	257.6	77.76	256.8	79.56	256.8	81.48	256	82.49	256	83.41	250.8	82.95
	5	4.1	270.4	79.43	269.6	81.23	269.6	83.07	268.8	83.95	268.8	84.87	250.8	77.85
110%	7	6	284	81.02	284	82.74	283.6	84.41	278.8	83.28	269.6	79.89	250.8	73.25
	9	7.9	298.8	82.61	298	84.28	288	81.48	278.8	78.22	269.6	75.04	250.8	68.94
	11	9.8	314	84.07	306.4	82.61	288	76.63	278.8	73.71	269.6	70.65	250.8	65.01
	13	11.8	325.2	83.28	306.4	77.51	288	71.87	278.8	69.19	269.6	66.47	250.8	61.16
	15	13.7	325.2	78.43	306.4	73.00	288	67.81	278.8	65.09	269.6	62.63	250.8	57.65
	-19.8	-20	154	58.45	153.2	61.29	152.4	64.22	152.4	65.68	152.4	67.14	151.6	70.07
	-18.8	-19	156	59.37	155.6	62.17	155.6	65.09	155.6	66.47	154.8	67.94	154.8	70.86
	-16.7	-17	162.4	61.29	161.6	64.09	164	66.93	160.8	68.27	160.8	69.61	160	72.33
	-13.7	-15	169.2	63.42	168.4	66.01	167.6	68.73	167.6	70.07	167.6	71.45	166.8	74.04
	-11.8	-13	176	65.55	176	68.06	175.2	70.53	175.2	71.87	174.4	73.12	174.4	75.71
	-9.8	-11	184.4	67.60	183.6	70.07	183.6	72.45	182.8	73.71	182.8	74.92	182.8	77.30
	-9.5	-10	188.8	68.73	188	70.99	187.2	73.46	187.2	74.58	187.2	75.84	186.8	78.22
	-8.5	-9.1	192.8	69.61	192	71.87	192	74.25	191.2	75.50	191.2	76.63	191.2	79.86
	-7	-7.6	199.6	71.20	199.6	73.33	198.8	75.59	198.8	76.72	198.8	77.85	198	80.10
	-5	-5.6	210.4	73.25	209.6	75.38	208.8	77.43	208.8	78.56	208.8	79.56	208	81.82
	-3	-3.7	220	75.04	220	77.09	219.6	79.10	219.6	80.10	218.8	81.15	218.8	83.15
	0	-0.7	237.6	77.85	237.6	79.77	236.8	81.69	236.8	82.61	236.8	83.49	230	81.94
	3	2.2	256.8	80.48	256	82.15	256	83.95	255.2	84.74	246.8	81.23	230	74.58
	5	4.1	269.6	82.03	269.6	83.74	264.4	82.95	255.2	79.56	246.8	76.38	230	70.07
	7	6	283.2	83.49	281.2	84.07	264.4	77.85	255.2	74.83	246.8	71.87	230	66.01
	9	7.9	298	84.87	281.2	78.97	264.4	73.25	255.2	70.40	246.8	67.60	230	62.17
	11	9.8	298	79.89	281.2	74.38	264.4	68.94	255.2	66.35	246.8	63.76	230	58.70
	13	11.8	298	74.92	281.2	69.73	264.4	64.76	255.2	62.42	246.8	59.91	230	55.31
	15	13.7	298	66.47	281.2	65.80	264.4	61.16	255.2	58.91	246.8	56.65	230	52.26

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	153.2	63.09	152.4	65.68	152.4	68.40	151.6	69.73	151.6	70.99	150.8	73.71
	-18.8	-19	155.6	63.88	155.6	66.47	154.8	69.19	154.8	70.53	154	71.87	154	74.46
	-16.7	-17	161.6	65.68	160.8	68.27	160.8	70.74	160	71.99	160	73.25	160	75.84
	-13.7	-15	168.4	67.60	167.6	70.07	166.8	72.45	166.8	73.71	166.8	74.92	166	77.30
	-11.8	-13	175.2	69.61	175.2	71.87	174.4	74.12	174.4	75.38	174.4	76.51	173.6	78.89
	-9.8	-11	183.6	71.45	182.8	73.71	182.8	75.96	182.8	77.09	182	78.10	182	80.35
	-9.5	-10	188	72.45	187.6	74.58	187.6	76.72	186.8	77.85	186.8	78.97	186	81.15
	-8.5	-9.1	192	73.25	191.2	75.50	191.2	77.51	191.2	78.56	190.4	79.68	190.4	81.69
	-7	-7.6	198.8	74.71	198.8	76.72	198	78.76	198	79.89	198	80.81	197.2	82.95
	-5	-5.6	209.6	76.63	208.8	78.56	208.8	80.48	208	81.36	208	82.36	207.2	84.41
	-3	-3.7	219.6	78.30	219.6	80.07	218.8	82.03	218.8	82.95	218.8	83.82	209.6	86.35
	0	-0.7	236.8	80.81	236.8	82.61	236	84.28	232.4	82.95	224.8	79.43	209.6	82.91
	3	2.2	256	83.15	255.2	84.74	240	78.43	232.4	75.38	224.8	72.33	209.6	66.47
	5	4.1	268.8	84.74	255.2	79.56	240	73.71	232.4	70.99	224.8	68.15	209.6	62.63
	7	6	270.4	80.35	255.2	74.83	240	69.40	232.4	66.81	224.8	64.22	209.6	59.03
	9	7.9	270.4	75.50	255.2	70.40	240	65.34	232.4	62.08	224.8	60.50	209.6	55.73
90%	11	9.8	270.4	71.07	255.2	66.35	240	61.62	232.4	59.37	224.8	57.11	209.6	52.59
	13	11.8	270.4	66.81	255.2	62.42	240	57.99	232.4	55.85	224.8	53.85	209.6	49.67
	15	13.7	270.4	62.96	255.2	58.91	240	54.85	232.4	52.80	224.8	50.80	209.6	47.07
	-19.8	-20	152	67.81	151.2	70.07	151.2	72.58	150.4	73.71	150.4	74.92	150.4	77.30
	-18.8	-19	154.4	68.48	154.4	70.99	153.6	73.25	153.6	74.46	153.6	75.59	152.8	77.97
	-16.7	-17	160.4	70.19	159.6	72.45	159.6	74.71	159.6	75.84	158.8	76.97	158.8	79.22
	-13.7	-15	167.2	71.87	166.4	74.12	166.4	76.30	165.6	77.30	165.6	78.43	165.6	80.56
	-11.8	-13	174	73.71	174	75.71	173.6	77.76	173.6	78.89	173.6	79.89	172.8	81.94
	-9.8	-11	182.4	75.38	182.4	77.30	181.6	79.35	181.6	80.35	181.6	81.36	180.8	83.41
	-9.5	-10	187.2	76.30	186.4	78.22	186.4	80.10	185.6	81.15	185.6	82.15	185.6	83.95
	-8.5	-9.1	190.8	77.09	190.8	78.97	190	80.81	190	81.69	190	82.74	188	83.49
	-7	-7.6	197.6	78.30	197.6	80.10	196.8	82.03	196.8	82.95	196.8	83.82	188	79.77
	-5	-5.6	208.4	80.02	207.6	81.69	207.6	83.49	206.8	84.41	201.6	81.69	188	74.92
	-3	-3.7	218.4	81.61	218.4	83.15	216	83.49	208.4	80.23	201.6	76.97	188	70.65
	0	-0.7	236.4	83.95	229.6	81.82	216	75.84	208.4	72.79	201.6	69.94	188	64.22
	3	2.2	243.2	79.89	229.6	74.46	216	69.07	208.4	66.47	201.6	63.76	188	58.78
	5	4.1	243.2	75.17	229.6	70.07	216	65.09	208.4	62.50	201.6	60.24	188	55.39
80%	7	6	243.2	70.65	229.6	66.01	216	61.29	208.4	59.03	201.6	56.77	188	52.34
	9	7.9	243.2	66.60	229.6	62.08	216	57.78	208.4	55.73	201.6	53.60	188	49.54
	11	9.8	243.2	62.75	229.6	58.57	216	54.60	208.4	52.59	201.6	50.67	188	46.82
	13	11.8	243.2	59.03	229.6	55.31	216	51.46	208.4	49.67	201.6	47.83	188	44.23
	15	13.7	243.2	55.73	229.6	52.13	216	48.75	208.4	47.07	201.6	45.36	188	41.97
	-19.8	-20	151.6	72.45	150.8	74.58	150.8	76.72	150.8	77.76	150	78.89	150	80.90
	-18.8	-19	154	73.12	154	75.25	153.2	77.30	153.2	78.43	153.2	79.43	152.4	81.61
	-16.7	-17	160	74.58	159.2	76.63	159.2	78.64	159.2	79.68	159.2	80.69	158.4	82.61
	-13.7	-15	166.8	76.17	166	78.10	166	80.02	166	80.90	165.2	81.94	165.2	83.95
	-11.8	-13	173.6	77.64	173.6	79.56	172.8	81.36	172.8	82.28	172.8	83.28	167.6	81.02
	-9.8	-11	182	79.22	182	81.02	181.2	82.82	181.2	83.61	180	83.49	167.6	76.51
	-9.5	-10	186.8	80.02	186	81.69	186	83.49	186	84.41	180	81.02	167.6	74.25
	-8.5	-9.1	190.4	80.81	177.2	82.49	189.6	84.07	186	82.15	180	78.89	167.6	72.33
	-7	-7.6	197.2	81.94	197.2	83.49	192	81.69	186	78.56	180	75.38	167.6	69.19
	-5	-5.6	208	83.41	204	82.95	192	76.72	186	73.79	180	70.86	167.6	65.09
	-3	-3.7	216.4	83.82	204	78.10	192	72.33	186	69.61	180	66.81	167.6	61.50
	0	-0.7	216.4	76.05	204	70.86	192	65.80	186	63.30	180	60.83	167.6	56.06
	3	2.2	216.4	69.27	204	64.68	192	60.16	186	57.90	180	55.73	167.6	51.34
	5	4.1	216.4	65.22	204	60.95	192	56.65	186	54.60	180	52.59	167.6	48.54
	7	6	216.4	61.50	204	57.57	192	53.47	186	51.67	180	49.75	167.6	45.95
	9	7.9	216.4	57.99	204	54.27	192	50.54	186	48.75	180	47.07	167.6	43.56
	11	9.8	216.4	54.85	204	51.21	192	47.83	186	46.16	180	44.57	167.6	41.31
	13	11.8	216.4	51.67	204	48.41	192	45.24	186	43.69	180	42.10	167.6	39.05
	15	13.7	216.4	48.87	204	45.95	192	42.89	186	41.43	180	39.97	167.6	37.12

Note: TC: Total capacity, PI: Power input.

Outdoor unit

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External Wiring Connection

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# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	150.4	77.18	149.6	78.97	149.6	80.81	149.6	81.69	149.6	82.74	146	81.82
	-18.8	-19	152.8	77.76	152.8	79.56	152	81.36	152	82.28	152	83.28	146	80.10
	-16.7	-17	158.8	78.97	158.8	80.81	158	82.61	158	83.49	156.8	74.38	146	76.38
	-13.7	-15	165.6	80.35	164.8	82.15	164.8	83.82	162	82.61	156.8	79.22	146	72.66
	-11.8	-13	172.4	81.69	172.4	83.41	168	81.36	162	78.22	156.8	75.04	146	68.86
	-9.8	-11	180.8	83.07	178.8	83.07	168	76.84	162	73.92	156.8	70.99	146	65.09
	-9.5	-10	185.6	83.82	178.8	80.56	168	74.58	162	71.78	156.8	68.94	146	63.30
	-8.5	-9.1	189.2	84.28	178.8	78.43	168	72.66	162	69.86	156.8	67.14	146	61.71
	-7	-7.6	189.2	80.48	178.8	74.92	168	69.53	162	66.93	156.8	64.22	146	59.12
	-5	-5.6	189.2	75.59	178.8	70.53	168	65.47	162	62.84	156.8	74.38	146	55.73
	-3	-3.7	189.2	71.20	178.8	66.47	168	61.71	162	59.37	156.8	57.11	146	52.72
	0	-0.7	189.2	64.76	178.8	60.58	168	56.31	162	54.27	156.8	52.26	146	48.29
	3	2.2	189.2	59.24	178.8	55.39	168	51.67	162	49.75	156.8	47.95	146	44.36
	5	4.1	189.2	55.85	178.8	52.26	168	48.87	162	47.07	156.8	45.36	146	41.97
	7	6	189.2	52.80	178.8	49.42	168	46.16	162	44.57	156.8	42.98	146	39.84
	9	7.9	189.2	49.88	178.8	46.82	168	43.69	162	42.18	156.8	40.72	146	37.79
60%	11	9.8	189.2	47.16	178.8	44.23	168	41.43	162	40.05	156.8	38.71	146	35.87
	13	11.8	189.2	44.57	178.8	41.85	168	39.17	162	37.92	156.8	36.58	146	34.07
	15	13.7	189.2	42.31	178.8	39.72	168	37.25	162	36.00	156.8	34.74	146	32.48
	-19.8	-20	150	81.82	149.2	83.41	144	80.23	139.6	77.09	134.8	74.04	125.6	67.81
	-18.8	-19	152.4	82.36	152.4	83.95	144	78.56	139.6	75.38	134.8	72.33	125.6	66.47
	-16.7	-17	158.4	83.49	153.2	80.81	144	74.92	139.6	71.99	134.8	69.19	125.6	63.55
	-13.7	-15	162.4	82.61	153.2	76.72	144	71.20	139.6	68.48	134.8	65.80	125.6	60.50
	-11.8	-13	162.4	78.10	153.2	72.66	144	67.48	139.6	65.01	134.8	62.42	125.6	57.78
	-9.8	-11	162.4	73.79	153.2	68.73	144	63.88	139.6	61.50	134.8	59.12	125.6	54.52
	-9.5	-10	162.4	71.78	153.2	66.93	144	62.08	139.6	59.83	134.8	57.57	125.6	53.05
	-8.5	-9.1	162.4	69.86	153.2	65.09	144	60.58	139.6	58.32	134.8	56.06	125.6	51.67
	-7	-7.6	162.4	66.81	153.2	62.42	144	57.99	139.6	55.85	134.8	53.72	125.6	49.67
	-5	-5.6	162.4	62.84	153.2	58.78	144	54.73	139.6	52.72	134.8	50.80	125.6	46.95
	-3	-3.7	162.4	59.37	153.2	55.52	144	51.67	139.6	49.88	134.8	48.08	125.6	44.44
	0	-0.7	162.4	54.27	153.2	50.80	144	47.41	139.6	45.82	134.8	44.11	125.6	40.85
	3	2.2	162.4	49.75	153.2	46.70	144	43.69	139.6	42.10	134.8	40.64	125.6	37.71
50%	5	4.1	162.4	47.07	153.2	44.11	144	41.31	139.6	39.97	134.8	38.46	125.6	35.79
	7	6	162.4	44.57	153.2	41.85	144	39.17	139.6	37.79	134.8	36.58	125.6	33.95
	9	7.9	162.4	42.18	153.2	39.59	144	37.12	139.6	36.00	134.8	34.66	125.6	32.40
	11	9.8	162.4	40.05	153.2	37.71	144	35.33	139.6	34.20	134.8	32.94	125.6	30.81
	13	11.8	162.4	37.79	153.2	35.66	144	33.53	139.6	32.48	134.8	31.36	125.6	29.35
	15	13.7	162.4	36.00	153.2	33.86	144	31.94	139.6	30.94	134.8	29.89	125.6	27.97
	-19.8	-20	135.2	74.46	127.6	69.27	120	64.34	115.6	61.96	111.6	59.58	104	54.85
	-18.8	-19	135.2	72.79	127.6	67.81	120	63.09	115.6	60.70	111.6	58.32	104	53.85
	-16.7	-17	135.2	69.53	127.6	64.76	120	60.24	115.6	57.99	111.6	55.85	104	51.59
	-13.7	-15	135.2	66.14	127.6	61.71	120	57.44	115.6	55.31	111.6	53.26	104	49.21
	-11.8	-13	135.2	62.84	127.6	58.70	120	54.60	115.6	52.59	111.6	50.67	104	46.82
	-9.8	-11	135.2	59.45	127.6	55.65	120	51.80	115.6	49.88	111.6	48.08	104	44.57
	-9.5	-10	135.2	57.90	127.6	54.06	120	50.46	115.6	48.62	111.6	46.82	104	43.31
	-8.5	-9.1	135.2	56.44	127.6	52.80	120	49.21	115.6	47.49	111.6	45.82	104	42.31
	-7	-7.6	135.2	54.06	127.6	50.67	120	47.16	115.6	45.57	111.6	44.02	104	40.72
	-5	-5.6	135.2	51.00	127.6	47.83	120	44.69	115.6	43.23	111.6	41.64	104	38.59
	-3	-3.7	135.2	48.29	127.6	45.36	120	42.31	115.6	40.97	111.6	39.51	104	36.66
	0	-0.7	135.2	44.36	127.6	41.64	120	39.05	115.6	37.71	111.6	36.46	104	33.86
	3	2.2	135.2	40.85	127.6	38.38	120	36.00	115.6	34.74	111.6	33.61	104	31.36
	5	4.1	135.2	38.71	127.6	36.46	120	34.20	115.6	33.07	111.6	32.07	104	29.81
	7	6	135.2	36.79	127.6	34.66	120	32.48	115.6	31.48	111.6	30.48	104	28.43
	9	7.9	135.2	34.87	127.6	32.94	120	30.94	115.6	30.02	111.6	29.01	104	27.09
	11	9.8	135.2	33.19	127.6	31.27	120	29.43	115.6	28.55	111.6	27.63	104	25.84
	13	11.8	135.2	31.61	127.6	29.81	120	27.97	115.6	27.22	111.6	26.30	104	24.71
	15	13.7	135.2	30.02	127.6	28.43	120	26.76	115.6	25.96	111.6	25.17	104	23.58

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
40%	-19.8	-20	108	56.61	102	52.68	96	48.87	92.4	47.07	89.2	45.28	83.2	41.68
	-18.8	-19	108	55.31	102	51.55	96	47.95	92.4	46.16	89.2	44.36	83.2	40.93
	-16.7	-17	108	52.84	102	49.21	96	45.78	92.4	44.06	89.2	42.43	83.2	39.17
	-13.7	-15	108	50.25	102	46.91	96	43.65	92.4	42.02	89.2	40.47	83.2	37.38
	-11.8	-13	108	47.79	102	44.61	96	41.51	92.4	39.97	89.2	38.50	83.2	35.58
	-9.8	-11	108	45.19	102	42.27	96	39.38	92.4	37.92	89.2	36.54	83.2	33.86
	-9.5	-10	108	43.98	102	41.10	96	38.34	92.4	36.96	89.2	35.58	83.2	32.94
	-8.5	-9.1	108	42.89	102	40.13	96	37.38	92.4	36.12	89.2	34.83	83.2	32.15
	-7	-7.6	108	41.10	102	38.50	96	35.83	92.4	34.66	89.2	33.45	83.2	30.98
	-5	-5.6	108	38.76	102	36.37	96	33.95	92.4	32.86	89.2	31.65	83.2	29.35
	-3	-3.7	108	36.71	102	34.49	96	32.15	92.4	31.15	89.2	30.02	83.2	27.89
	0	-0.7	108	33.70	102	31.65	96	29.68	92.4	28.64	89.2	27.72	83.2	25.71
	3	2.2	108	31.06	102	29.14	96	27.34	92.4	26.42	89.2	25.54	83.2	23.83
	5	4.1	108	29.43	102	27.72	96	26.00	92.4	25.13	89.2	24.37	83.2	22.66
	7	6	108	27.97	102	26.34	96	24.71	92.4	23.91	89.2	23.16	83.2	21.61
30%	9	7.9	108	26.51	102	25.04	96	23.50	92.4	22.83	89.2	22.03	83.2	20.57
	11	9.8	108	25.21	102	23.75	96	22.37	92.4	21.70	89.2	21.03	83.2	19.65
	13	11.8	108	24.00	102	22.66	96	21.28	92.4	20.65	89.2	19.98	83.2	18.77
	15	13.7	108	22.83	102	21.61	96	20.32	92.4	19.73	89.2	19.11	83.2	17.94
	-19.8	-20	81.2	41.56	76.4	38.67	72	28.72	69.2	34.57	66.8	33.24	62.4	30.60
	-18.8	-19	81.2	40.59	76.4	37.84	72	28.18	69.2	33.86	66.8	32.57	62.4	30.02
	-16.7	-17	81.2	38.80	76.4	36.16	72	26.88	69.2	32.36	66.8	31.19	62.4	28.76
	-13.7	-15	81.2	36.92	76.4	34.45	72	25.63	69.2	30.85	66.8	29.72	62.4	27.47
	-11.8	-13	81.2	35.08	76.4	32.74	72	24.37	69.2	29.35	66.8	28.26	62.4	26.13
	-9.8	-11	81.2	33.19	76.4	31.06	72	23.12	69.2	27.84	66.8	26.84	62.4	24.88
	-9.5	-10	81.2	32.32	76.4	30.14	72	22.53	69.2	27.13	66.8	26.13	62.4	24.16
	-8.5	-9.1	81.2	31.48	76.4	29.47	72	21.95	69.2	26.51	66.8	25.54	62.4	23.62
	-7	-7.6	81.2	30.14	76.4	28.26	72	21.07	69.2	25.42	66.8	24.54	62.4	22.74
	-5	-5.6	81.2	28.47	76.4	26.71	72	19.94	69.2	24.12	66.8	23.24	62.4	21.53
	-3	-3.7	81.2	26.97	76.4	25.29	72	18.90	69.2	22.87	66.8	22.03	62.4	20.44
	0	-0.7	81.2	24.75	76.4	23.24	72	17.43	69.2	21.03	66.8	20.32	62.4	18.90
20%	3	2.2	81.2	22.78	76.4	21.41	72	16.05	69.2	19.40	66.8	18.77	62.4	17.52
	5	4.1	81.2	21.61	76.4	20.32	72	15.26	69.2	18.44	66.8	17.89	62.4	16.64
	7	6	81.2	20.53	76.4	19.31	72	14.51	69.2	17.56	66.8	17.02	62.4	15.89
	9	7.9	81.2	19.44	76.4	18.40	72	13.80	69.2	16.76	66.8	16.18	62.4	15.09
	11	9.8	81.2	18.52	76.4	17.43	72	13.13	69.2	15.93	66.8	15.43	62.4	14.42
	13	11.8	81.2	17.64	76.4	16.64	72	12.50	69.2	15.18	66.8	14.67	62.4	13.80
	15	13.7	81.2	16.76	76.4	15.89	72	11.96	69.2	14.47	66.8	14.05	62.4	13.17
	-19.8	-20	54	26.80	51.2	24.96	48	23.16	46	22.28	44.8	21.45	41.6	19.73
	-18.8	-19	54	26.21	51.2	24.42	48	22.70	46	21.87	44.8	20.99	41.6	19.40
	-16.7	-17	54	25.04	51.2	23.33	48	21.70	46	20.86	44.8	20.11	41.6	18.56
	-13.7	-15	54	23.79	51.2	22.24	48	20.69	46	19.90	44.8	19.19	41.6	17.73
	-11.8	-13	54	22.62	51.2	21.11	48	19.65	46	18.94	44.8	18.23	41.6	16.85
	-9.8	-11	54	21.41	51.2	20.03	48	18.65	46	17.94	44.8	17.31	41.6	16.05
	-9.5	-10	54	20.82	51.2	19.44	48	18.14	46	17.52	44.8	16.85	41.6	15.59
	-8.5	-9.1	54	20.32	51.2	19.02	48	17.73	46	17.10	44.8	16.51	41.6	15.22
	-7	-7.6	54	19.44	51.2	18.23	48	16.97	46	16.43	44.8	15.84	41.6	14.67
	-5	-5.6	54	18.35	51.2	17.22	48	16.10	46	15.55	44.8	15.01	41.6	13.88
	-3	-3.7	54	17.39	51.2	16.35	48	15.22	46	14.76	44.8	14.21	41.6	13.21
	0	-0.7	54	15.97	51.2	15.01	48	14.05	46	13.59	44.8	13.13	41.6	12.21
	3	2.2	54	14.72	51.2	13.80	48	12.96	46	12.50	44.8	12.12	41.6	11.29
	5	4.1	54	13.92	51.2	13.13	48	12.29	46	11.92	44.8	11.54	41.6	10.74
	7	6	54	13.25	51.2	12.46	48	11.71	46	11.33	44.8	10.95	41.6	10.24
	9	7.9	54	12.54	51.2	11.87	48	11.12	46	10.79	44.8	10.45	41.6	9.74
	11	9.8	54	11.96	51.2	11.25	48	10.62	46	10.28	44.8	9.95	41.6	9.32
	13	11.8	54	11.37	51.2	10.74	48	10.08	46	9.78	44.8	9.45	41.6	8.90
	15	13.7	54	10.79	51.2	10.24	48	9.62	46	9.32	44.8	25.17	41.6	8.49

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

**■ TMR880ADB**

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20	155.2	49.66	154.8	53.22	154	56.79	154	58.48	153.2	60.22	153.2	63.74
	-18.8	-19	157.6	50.81	156.8	54.24	156.8	57.80	156	59.54	156	61.11	155.2	64.67
	-16.7	-17	164	53.22	163.2	56.53	162.4	59.88	162.4	61.45	162.4	63.19	161.6	66.50
	-13.7	-15	170.8	55.64	170	58.82	169.2	62.05	169.2	63.66	168.4	65.27	168.4	68.45
	-11.8	-13	177.6	58.14	177.6	61.24	176.8	64.21	176	65.82	176	67.43	175.2	70.40
	-9.8	-11	186	60.69	185.2	63.66	184.4	66.50	184.4	67.98	184.4	69.47	183.6	72.48
	-9.5	-10	190.4	62.05	189.6	64.80	188.8	67.64	188.8	69.13	188	70.53	188	73.37
	-8.5	-9.1	194.4	63.06	193.6	65.82	193.6	68.70	192.8	70.06	192.8	71.42	192	74.30
	-7	-7.6	201.2	64.89	201.2	67.64	200.4	70.27	200.4	71.67	199.6	72.90	198.8	75.66
	-5	-5.6	212	67.43	211.2	69.93	210.4	72.48	210.4	73.84	209.6	74.98	209.6	77.48
	-3	-3.7	221.6	69.59	220.8	72.01	220.8	74.39	220	75.66	220	76.93	219.2	79.22
	0	-0.7	239.2	72.90	239.2	75.19	238.4	77.40	238.4	78.29	237.6	79.69	237.6	81.98
	3	2.2	258.4	76.00	257.6	78.08	256.8	80.11	256.8	81.17	256.8	82.32	256	84.27
	5	4.1	271.2	77.82	270.4	79.90	270.4	81.85	269.6	82.87	269.6	83.80	268.8	85.75
	7	6	284.8	79.77	284	81.51	284	83.46	283.2	84.35	283.2	85.29	272	81.98
	9	7.9	299.2	81.38	298.8	83.21	298.8	84.95	298	85.84	292	84.01	272	76.93
	11	9.8	314.8	83.00	314	84.69	312.4	85.75	301.6	82.40	292	78.97	272	72.48
	13	11.8	331.2	84.61	330.8	86.18	312.4	80.37	301.6	77.14	292	74.17	272	67.98
	15	13.7	347.2	86.09	332	81.64	312.4	75.66	301.6	72.82	292	69.85	272	64.21
120%	-19.8	-20	154.8	54.50	154	57.68	153.2	61.03	153.2	62.51	153.2	64.21	152.4	67.43
	-18.8	-19	156.8	55.51	156	58.74	156	61.92	155.6	63.40	155.6	65.14	154.8	68.32
	-16.7	-17	163.2	57.68	162.4	60.77	161.2	63.74	161.6	65.35	161.6	66.96	160.8	69.93
	-13.7	-15	170	59.97	169.2	62.98	168.4	65.82	168.4	67.43	168.4	68.79	167.6	71.76
	-11.8	-13	176.8	62.26	176.8	65.14	176	67.90	176	69.38	175.2	70.74	175.2	73.62
	-9.8	-11	185.2	64.67	184.4	67.30	184.4	70.06	183.6	71.42	183.6	72.69	182.8	75.45
	-9.5	-10	189.6	65.82	188.8	68.45	188	71.08	188	72.48	188	73.71	187.6	76.34
	-8.5	-9.1	193.6	66.84	192.8	69.38	192.8	72.01	192	73.24	192	74.64	191.2	77.14
	-7	-7.6	200.4	68.58	200.4	71.08	199.6	73.50	199.6	74.77	198.8	76.00	198.8	78.42
	-5	-5.6	211.2	70.74	210.4	73.16	209.6	75.53	209.6	76.68	209.6	77.95	208.8	80.11
	-3	-3.7	220.8	72.90	220.8	75.19	220	77.40	220	78.42	219.6	79.69	219.6	81.85
	0	-0.7	238.4	76.00	238.4	78.08	237.6	80.11	237.6	81.17	236.8	82.19	236.8	84.27
	3	2.2	257.6	78.88	256.8	80.71	256.8	82.66	256	83.67	256	84.61	250.8	84.14
	5	4.1	270.4	80.58	269.6	82.40	269.6	84.27	268.8	85.16	268.8	86.09	250.8	78.97
	7	6	284	82.19	284	83.93	283.6	85.63	278.8	84.48	269.6	81.04	250.8	74.30
	9	7.9	298.8	83.80	298	85.50	288	82.66	278.8	79.35	269.6	76.13	250.8	69.93
	11	9.8	314	85.29	306.4	83.80	288	77.74	278.8	74.77	269.6	71.67	250.8	65.95
	13	11.8	325.2	84.48	306.4	78.63	288	72.90	278.8	70.19	269.6	67.43	250.8	62.05
	15	13.7	325.2	79.56	306.4	74.05	288	68.79	278.8	66.03	269.6	63.53	250.8	58.48
110%	-19.8	-20	154	59.29	153.2	62.17	152.4	65.14	152.4	66.63	152.4	68.11	151.6	71.08
	-18.8	-19	156	60.22	155.6	63.06	155.6	66.03	155.6	67.43	154.8	68.92	154.8	71.88
	-16.7	-17	162.4	62.17	161.6	65.01	164	67.90	160.8	69.25	160.8	70.61	160	73.37
	-13.7	-15	169.2	64.34	168.4	66.96	167.6	69.72	167.6	71.08	167.6	72.48	166.8	75.11
	-11.8	-13	176	66.50	176	69.04	175.2	71.55	175.2	72.90	174.4	74.17	174.4	76.80
	-9.8	-11	184.4	68.58	183.6	71.08	183.6	73.50	182.8	74.77	182.8	76.00	182.8	78.42
	-9.5	-10	188.8	69.72	188	72.01	187.2	74.51	187.2	75.66	187.2	76.93	186.8	79.35
	-8.5	-9.1	192.8	70.61	192	72.90	192	75.32	191.2	76.59	191.2	77.74	191.2	80.87
	-7	-7.6	199.6	72.22	199.6	74.39	198.8	76.68	198.8	77.82	198.8	78.97	198	81.26
	-5	-5.6	210.4	74.30	209.6	76.46	208.8	78.54	208.8	79.69	208.8	80.71	208	83.00
	-3	-3.7	220	76.13	220	78.20	219.6	80.24	219.6	81.26	218.8	82.32	218.8	84.35
	0	-0.7	237.6	78.97	237.6	80.92	236.8	82.87	236.8	83.80	236.8	84.69	230	83.12
	3	2.2	256.8	81.64	256	83.33	256	85.16	255.2	85.96	246.8	82.40	230	75.66
	5	4.1	269.6	83.21	269.6	84.95	264.4	84.14	255.2	80.71	246.8	77.48	230	71.08
	7	6	283.2	84.69	281.2	85.29	264.4	78.97	255.2	75.91	246.8	72.90	230	66.96
	9	7.9	298	86.09	281.2	80.11	264.4	74.30	255.2	71.42	246.8	68.58	230	63.06
	11	9.8	298	81.04	281.2	75.45	264.4	69.93	255.2	67.30	246.8	64.67	230	59.54
	13	11.8	298	76.00	281.2	70.74	264.4	65.69	255.2	63.32	246.8	60.77	230	56.11
	15	13.7	298	67.43	281.2	66.75	264.4	62.05	255.2	59.76	246.8	57.47	230	53.01

Note: TC: Total capacity, PI: Power input.

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20	153.2	64.00	152.4	66.63	152.4	69.38	151.6	70.74	151.6	72.01	150.8	74.77
	-18.8	-19	155.6	64.80	155.6	67.43	154.8	70.19	154.8	71.55	154	72.90	154	75.53
	-16.7	-17	161.6	66.63	160.8	69.25	160.8	71.76	160	73.03	160	74.30	160	76.93
	-13.7	-15	168.4	68.58	167.6	71.08	166.8	73.50	166.8	74.77	166.8	76.00	166	78.42
	-11.8	-13	175.2	70.61	175.2	72.90	174.4	75.19	174.4	76.46	174.4	77.61	173.6	80.03
	-9.8	-11	183.6	72.48	182.8	74.77	182.8	77.06	182.8	78.20	182	79.22	182	81.51
	-9.5	-10	188	73.50	187.6	75.66	187.6	77.82	186.8	78.97	186.8	80.11	186	82.32
	-8.5	-9.1	192	74.30	191.2	76.59	191.2	78.63	191.2	79.69	190.4	80.83	190.4	82.87
	-7	-7.6	198.8	75.79	198.8	77.82	198	79.90	198	81.04	198	81.98	197.2	84.14
	-5	-5.6	209.6	77.74	208.8	79.69	208.8	81.64	208	82.53	208	83.55	207.2	85.63
	-3	-3.7	219.6	79.43	219.6	82.10	218.8	83.21	218.8	84.14	218.8	85.03	209.6	81.51
	0	-0.7	236.8	81.98	236.8	83.80	236	85.50	232.4	84.14	224.8	80.58	209.6	73.96
	3	2.2	256	84.35	255.2	85.96	240	79.56	232.4	76.46	224.8	73.37	209.6	67.43
	5	4.1	268.8	85.96	255.2	80.71	240	74.77	232.4	72.01	224.8	69.13	209.6	63.53
	7	6	270.4	81.51	255.2	75.91	240	70.40	232.4	67.77	224.8	65.14	209.6	59.88
	9	7.9	270.4	76.59	255.2	71.42	240	66.29	232.4	62.98	224.8	61.37	209.6	56.53
90%	11	9.8	270.4	72.10	255.2	67.30	240	62.51	232.4	60.22	224.8	57.93	209.6	53.35
	13	11.8	270.4	67.77	255.2	63.32	240	58.82	232.4	56.66	224.8	54.62	209.6	50.38
	15	13.7	270.4	63.87	255.2	59.76	240	55.64	232.4	53.56	224.8	51.53	209.6	47.75
	-19.8	-20	152	68.79	151.2	71.08	151.2	73.62	150.4	74.77	150.4	76.00	150.4	78.42
	-18.8	-19	154.4	69.47	154.4	72.01	153.6	74.30	153.6	75.53	153.6	76.68	152.8	79.09
	-16.7	-17	160.4	71.21	159.6	73.50	159.6	75.79	159.6	76.93	158.8	78.08	158.8	80.37
	-13.7	-15	167.2	72.90	166.4	75.19	166.4	77.40	165.6	78.42	165.6	79.56	165.6	81.72
	-11.8	-13	174	74.77	174	76.80	173.6	78.88	173.6	80.03	173.6	81.04	172.8	83.12
	-9.8	-11	182.4	76.46	182.4	78.42	181.6	80.49	181.6	81.51	181.6	82.53	180.8	84.61
	-9.5	-10	187.2	77.40	186.4	79.35	186.4	81.26	185.6	82.32	185.6	83.33	185.6	85.16
	-8.5	-9.1	190.8	78.20	190.8	80.11	190	81.98	190	82.87	190	83.93	188	84.69
	-7	-7.6	197.6	79.43	197.6	81.26	196.8	83.21	196.8	84.14	196.8	85.03	188	80.92
	-5	-5.6	208.4	81.17	207.6	82.87	207.6	84.69	206.8	85.63	201.6	82.87	188	76.00
	-3	-3.7	218.4	82.78	218.4	84.35	216	84.69	208.4	81.38	201.6	78.08	188	71.67
	0	-0.7	236.4	85.16	229.6	83.00	216	76.93	208.4	73.84	201.6	70.95	188	65.14
	3	2.2	243.2	81.04	229.6	75.53	216	70.06	208.4	67.43	201.6	64.67	188	59.63
80%	5	4.1	243.2	76.25	229.6	71.08	216	66.03	208.4	63.40	201.6	61.11	188	56.19
	7	6	243.2	71.67	229.6	66.96	216	62.17	208.4	59.88	201.6	57.59	188	53.10
	9	7.9	243.2	67.56	229.6	62.98	216	58.61	208.4	56.53	201.6	54.37	188	50.26
	11	9.8	243.2	63.66	229.6	59.42	216	55.39	208.4	53.35	201.6	51.40	188	47.50
	13	11.8	243.2	59.88	229.6	56.11	216	52.21	208.4	50.38	201.6	48.52	188	44.87
	15	13.7	243.2	56.53	229.6	52.88	216	49.45	208.4	47.75	201.6	46.01	188	42.58
	-19.8	-20	151.6	73.50	150.8	75.66	150.8	77.82	150.8	78.88	150	80.03	150	82.06
	-18.8	-19	154	74.17	154	76.34	153.2	78.42	153.2	79.56	153.2	80.58	152.4	82.78
	-16.7	-17	160	75.66	159.2	77.74	159.2	79.77	159.2	80.83	159.2	81.85	158.4	83.80
	-13.7	-15	166.8	77.27	166	79.22	166	81.17	166	82.06	165.2	83.12	165.2	85.16
	-11.8	-13	173.6	78.75	173.6	80.71	172.8	82.53	172.8	83.46	172.8	84.48	167.6	82.19
	-9.8	-11	182	80.37	182	82.19	181.2	84.01	181.2	84.82	180	84.69	167.6	77.61
	-9.5	-10	186.8	81.17	186	82.87	186	84.69	186	85.63	180	82.19	167.6	75.32
	-8.5	-9.1	190.4	81.98	177.2	83.67	189.6	85.29	186	83.33	180	80.03	167.6	73.37
	-7	-7.6	197.2	83.12	197.2	84.69	192	82.87	186	79.69	180	76.46	167.6	70.19
	-5	-5.6	208	84.61	204	84.14	192	77.82	186	74.85	180	71.88	167.6	66.03
	-3	-3.7	216.4	85.03	204	79.22	192	73.37	186	70.61	180	67.77	167.6	62.38
	0	-0.7	216.4	77.14	204	71.88	192	66.75	186	64.21	180	61.71	167.6	56.87
	3	2.2	216.4	70.27	204	65.61	192	61.03	186	58.74	180	56.53	167.6	52.08
	5	4.1	216.4	66.16	204	61.83	192	57.47	186	55.39	180	53.35	167.6	49.24
	7	6	216.4	62.38	204	58.40	192	54.24	186	52.42	180	50.47	167.6	46.61
	9	7.9	216.4	58.82	204	55.05	192	51.27	186	49.45	180	47.75	167.6	44.19
	11	9.8	216.4	55.64	204	51.95	192	48.52	186	46.82	180	45.21	167.6	41.90
	13	11.8	216.4	52.42	204	49.11	192	45.89	186	44.32	180	42.71	167.6	39.61
	15	13.7	216.4	49.58	204	46.61	192	43.51	186	42.03	180	40.54	167.6	37.66

Note: TC: Total capacity, PI: Power input.

Outdoor unit

Specifications

Accessories

Recommended Combination Table

Capacity Tables

Dimension Drawing

Center of Gravity

System Diagram

Electrical Wiring Diagram

External Wiring Connection

Sound Data

Installation

Operation Range

# Capacity Tables

Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-19.8	-20	150.4	78.29	149.6	80.11	149.6	81.98	149.6	82.87	149.6	83.93	146	83.00
	-18.8	-19	152.8	78.88	152.8	80.71	152	82.53	152	83.46	152	84.48	146	81.26
	-16.7	-17	158.8	80.11	158.8	81.98	158	83.80	158	84.69	156.8	75.45	146	77.48
	-13.7	-15	165.6	81.51	164.8	83.33	164.8	85.03	162	83.80	156.8	80.37	146	73.71
	-11.8	-13	172.4	82.87	172.4	84.61	168	82.53	162	79.35	156.8	76.13	146	69.85
	-9.8	-11	180.8	84.27	178.8	84.27	168	77.95	162	74.98	156.8	72.01	146	66.03
	-9.5	-10	185.6	85.03	178.8	81.72	168	75.66	162	72.82	156.8	69.93	146	64.21
	-8.5	-9.1	189.2	85.50	178.8	79.56	168	73.71	162	70.87	156.8	68.11	146	62.60
	-7	-7.6	189.2	81.64	178.8	76.00	168	70.53	162	67.90	156.8	65.14	146	59.97
	-5	-5.6	189.2	76.68	178.8	71.55	168	66.41	162	63.74	156.8	75.45	146	56.53
	-3	-3.7	189.2	72.22	178.8	67.43	168	62.60	162	60.22	156.8	57.93	146	53.48
	0	-0.7	189.2	65.69	178.8	61.45	168	57.13	162	55.05	156.8	53.01	146	48.98
	3	2.2	189.2	60.09	178.8	56.19	168	52.42	162	50.47	156.8	48.64	146	45.00
	5	4.1	189.2	56.66	178.8	53.01	168	49.58	162	47.75	156.8	46.01	146	42.58
	7	6	189.2	53.56	178.8	50.13	168	46.82	162	45.21	156.8	43.60	146	40.42
	9	7.9	189.2	50.59	178.8	47.50	168	44.32	162	42.79	156.8	41.31	146	38.34
	11	9.8	189.2	47.84	178.8	44.87	168	42.03	162	40.63	156.8	39.27	146	36.39
	13	11.8	189.2	45.21	178.8	42.45	168	39.74	162	38.47	156.8	37.11	146	34.56
	15	13.7	189.2	42.92	178.8	40.29	168	37.79	162	36.51	156.8	35.24	146	32.95
60%	-19.8	-20	150	83.00	149.2	84.61	144	81.38	139.6	78.20	134.8	75.11	125.6	68.79
	-18.8	-19	152.4	83.55	152.4	85.16	144	79.69	139.6	76.46	134.8	73.37	125.6	67.43
	-16.7	-17	158.4	84.69	153.2	81.98	144	76.00	139.6	73.03	134.8	70.19	125.6	64.46
	-13.7	-15	162.4	83.80	153.2	77.82	144	72.22	139.6	69.47	134.8	66.75	125.6	61.37
	-11.8	-13	162.4	79.22	153.2	73.71	144	68.45	139.6	65.95	134.8	63.32	125.6	58.61
	-9.8	-11	162.4	74.85	153.2	69.72	144	64.80	139.6	62.38	134.8	59.97	125.6	55.30
	-9.5	-10	162.4	72.82	153.2	67.90	144	62.98	139.6	60.69	134.8	58.40	125.6	53.82
	-8.5	-9.1	162.4	70.87	153.2	66.03	144	61.45	139.6	59.16	134.8	56.87	125.6	52.42
	-7	-7.6	162.4	67.77	153.2	63.32	144	58.82	139.6	56.66	134.8	54.50	125.6	50.38
	-5	-5.6	162.4	63.74	153.2	59.63	144	55.51	139.6	53.48	134.8	51.53	125.6	47.63
	-3	-3.7	162.4	60.22	153.2	56.32	144	52.42	139.6	50.59	134.8	48.77	125.6	45.08
	0	-0.7	162.4	55.05	153.2	51.53	144	48.09	139.6	46.48	134.8	44.74	125.6	41.43
	3	2.2	162.4	50.47	153.2	47.37	144	44.32	139.6	42.71	134.8	41.22	125.6	38.25
	5	4.1	162.4	47.75	153.2	44.74	144	41.90	139.6	40.54	134.8	39.02	125.6	36.30
	7	6	162.4	45.21	153.2	42.45	144	39.74	139.6	38.34	134.8	37.11	125.6	34.44
	9	7.9	162.4	42.79	153.2	40.16	144	37.66	139.6	36.51	134.8	35.16	125.6	32.87
	11	9.8	162.4	40.63	153.2	38.25	144	35.84	139.6	34.69	134.8	33.42	125.6	31.26
	13	11.8	162.4	38.34	153.2	36.18	144	34.01	139.6	32.95	134.8	31.81	125.6	29.77
	15	13.7	162.4	36.51	153.2	34.35	144	32.40	139.6	31.38	134.8	30.32	125.6	28.37
50%	-19.8	-20	135.2	75.53	127.6	70.27	120	65.27	115.6	62.85	111.6	60.43	104	55.64
	-18.8	-19	135.2	73.84	127.6	68.79	120	64.00	115.6	61.58	111.6	59.16	104	54.62
	-16.7	-17	135.2	70.53	127.6	65.69	120	61.11	115.6	58.82	111.6	56.66	104	52.33
	-13.7	-15	135.2	67.09	127.6	62.60	120	58.27	115.6	56.11	111.6	54.03	104	49.92
	-11.8	-13	135.2	63.74	127.6	59.54	120	55.39	115.6	53.35	111.6	51.40	104	47.50
	-9.8	-11	135.2	60.31	127.6	56.45	120	52.55	115.6	50.59	111.6	48.77	104	45.21
	-9.5	-10	135.2	58.74	127.6	54.84	120	51.19	115.6	49.32	111.6	47.50	104	43.94
	-8.5	-9.1	135.2	57.25	127.6	53.56	120	49.92	115.6	48.18	111.6	46.48	104	42.92
	-7	-7.6	135.2	54.84	127.6	51.40	120	47.84	115.6	46.23	111.6	44.66	104	41.31
	-5	-5.6	135.2	51.74	127.6	48.52	120	45.34	115.6	43.85	111.6	42.24	104	39.14
	-3	-3.7	135.2	48.98	127.6	46.01	120	42.92	115.6	41.56	111.6	40.08	104	37.19
	0	-0.7	135.2	45.00	127.6	42.24	120	39.61	115.6	38.25	111.6	36.98	104	34.35
	3	2.2	135.2	41.43	127.6	38.93	120	36.51	115.6	35.24	111.6	34.10	104	31.81
	5	4.1	135.2	39.27	127.6	36.98	120	34.69	115.6	33.55	111.6	32.53	104	30.24
	7	6	135.2	37.32	127.6	35.16	120	32.95	115.6	31.93	111.6	30.92	104	28.84
	9	7.9	135.2	35.37	127.6	33.42	120	31.38	115.6	30.45	111.6	29.43	104	27.48
	11	9.8	135.2	33.67	127.6	31.72	120	29.86	115.6	28.97	111.6	28.03	104	26.21
	13	11.8	135.2	32.06	127.6	30.24	120	28.37	115.6	27.61	111.6	26.68	104	25.06
	15	13.7	135.2	30.45	127.6	28.84	120	27.14	115.6	26.34	111.6	25.53	104	23.92

Note: TC: Total capacity, PI: Power input.



Capacity requirements (%)	Outdoor air temperature (°C)		Indoor air temperature (°CDB)											
			16		18		20		21		22		24	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
40%	-19.8	-20	108	57.42	102	53.44	96	49.58	92.4	47.75	89.2	45.93	83.2	42.28
	-18.8	-19	108	56.11	102	52.29	96	48.64	92.4	46.82	89.2	45.00	83.2	41.52
	-16.7	-17	108	53.61	102	49.92	96	46.44	92.4	44.70	89.2	43.05	83.2	39.74
	-13.7	-15	108	50.98	102	47.58	96	44.28	92.4	42.62	89.2	41.05	83.2	37.91
	-11.8	-13	108	48.47	102	45.25	96	42.11	92.4	40.54	89.2	39.06	83.2	36.09
	-9.8	-11	108	45.84	102	42.88	96	39.95	92.4	38.47	89.2	37.07	83.2	34.35
	-9.5	-10	108	44.61	102	41.69	96	38.89	92.4	37.49	89.2	36.09	83.2	33.42
	-8.5	-9.1	108	43.51	102	40.71	96	37.91	92.4	36.64	89.2	35.33	83.2	32.61
	-7	-7.6	108	41.69	102	39.06	96	36.35	92.4	35.16	89.2	33.93	83.2	31.43
	-5	-5.6	108	39.31	102	36.90	96	34.44	92.4	33.33	89.2	32.10	83.2	29.77
	-3	-3.7	108	37.24	102	34.99	96	32.61	92.4	31.60	89.2	30.45	83.2	28.29
	0	-0.7	108	34.18	102	32.10	96	30.11	92.4	29.05	89.2	28.12	83.2	26.08
	3	2.2	108	31.51	102	29.56	96	27.74	92.4	26.80	89.2	25.91	83.2	24.17
	5	4.1	108	29.86	102	28.12	96	26.38	92.4	25.49	89.2	24.72	83.2	22.99
	7	6	108	28.37	102	26.72	96	25.06	92.4	24.26	89.2	23.49	83.2	21.93
30%	9	7.9	108	26.89	102	25.40	96	23.83	92.4	23.16	89.2	22.35	83.2	20.87
	11	9.8	108	25.57	102	24.09	96	22.69	92.4	22.01	89.2	21.33	83.2	19.93
	13	11.8	108	24.34	102	22.99	96	21.59	92.4	20.95	89.2	20.27	83.2	19.04
	15	13.7	108	23.16	102	21.93	96	20.61	92.4	20.02	89.2	19.38	83.2	18.19
	-19.8	-20	81.2	42.16	76.4	39.23	72	29.14	69.2	35.07	66.8	33.72	62.4	31.04
	-18.8	-19	81.2	41.18	76.4	38.38	72	28.58	69.2	34.35	66.8	33.04	62.4	30.45
	-16.7	-17	81.2	39.36	76.4	36.68	72	27.27	69.2	32.83	66.8	31.64	62.4	29.18
	-13.7	-15	81.2	37.45	76.4	34.95	72	26.00	69.2	31.30	66.8	30.15	62.4	27.86
	-11.8	-13	81.2	35.58	76.4	33.21	72	24.72	69.2	29.77	66.8	28.67	62.4	26.51
	-9.8	-11	81.2	33.67	76.4	31.51	72	23.45	69.2	28.24	66.8	27.23	62.4	25.23
	-9.5	-10	81.2	32.78	76.4	30.58	72	22.86	69.2	27.52	66.8	26.51	62.4	24.51
	-8.5	-9.1	81.2	31.93	76.4	29.90	72	22.27	69.2	26.89	66.8	25.91	62.4	23.96
	-7	-7.6	81.2	30.58	76.4	28.67	72	21.37	69.2	25.79	66.8	24.89	62.4	23.07
	-5	-5.6	81.2	28.88	76.4	27.10	72	20.23	69.2	24.47	66.8	23.58	62.4	21.84
	-3	-3.7	81.2	27.35	76.4	25.66	72	19.17	69.2	23.20	66.8	22.35	62.4	20.74
	0	-0.7	81.2	25.11	76.4	23.58	72	17.68	69.2	21.33	66.8	20.61	62.4	19.17
20%	3	2.2	81.2	23.11	76.4	21.71	72	16.29	69.2	19.68	66.8	19.04	62.4	17.77
	5	4.1	81.2	21.93	76.4	20.61	72	15.48	69.2	18.70	66.8	18.15	62.4	16.88
	7	6	81.2	20.82	76.4	19.59	72	14.72	69.2	17.81	66.8	17.26	62.4	16.12
	9	7.9	81.2	19.72	76.4	18.66	72	14.00	69.2	17.01	66.8	16.41	62.4	15.31
	11	9.8	81.2	18.79	76.4	17.68	72	13.32	69.2	16.16	66.8	15.65	62.4	14.63
	13	11.8	81.2	17.90	76.4	16.88	72	12.68	69.2	15.39	66.8	14.89	62.4	14.00
	15	13.7	81.2	17.01	76.4	16.12	72	12.13	69.2	14.67	66.8	14.25	62.4	13.36
	-19.8	-20	54	27.18	51.2	25.32	48	23.49	46	22.60	44.8	21.76	41.6	20.02
	-18.8	-19	54	26.59	51.2	24.77	48	23.03	46	22.18	44.8	21.29	41.6	19.68
	-16.7	-17	54	25.40	51.2	23.66	48	22.01	46	21.16	44.8	20.40	41.6	18.83
	-13.7	-15	54	24.13	51.2	22.56	48	20.99	46	20.19	44.8	19.47	41.6	17.98
	-11.8	-13	54	22.94	51.2	21.42	48	19.93	46	19.21	44.8	18.49	41.6	17.09
	-9.8	-11	54	21.71	51.2	20.31	48	18.91	46	18.19	44.8	17.56	41.6	16.29
	-9.5	-10	54	21.12	51.2	19.72	48	18.41	46	17.77	44.8	17.09	41.6	15.82
	-8.5	-9.1	54	20.61	51.2	19.30	48	17.98	46	17.35	44.8	16.75	41.6	15.44
	-7	-7.6	54	19.72	51.2	18.49	48	17.22	46	16.67	44.8	16.07	41.6	14.89
	-5	-5.6	54	18.62	51.2	17.47	48	16.33	46	15.78	44.8	15.23	41.6	14.08
	-3	-3.7	54	17.64	51.2	16.58	48	15.44	46	14.97	44.8	14.42	41.6	13.40
	0	-0.7	54	16.20	51.2	15.23	48	14.25	46	13.78	44.8	13.32	41.6	12.38
	3	2.2	54	14.93	51.2	14.00	48	13.15	46	12.68	44.8	12.30	41.6	11.45
	5	4.1	54	14.12	51.2	13.32	48	12.47	46	12.09	44.8	11.71	41.6	10.90
	7	6	54	13.44	51.2	12.64	48	11.87	46	11.49	44.8	11.11	41.6	10.39
	9	7.9	54	12.72	51.2	12.04	48	11.28	46	10.94	44.8	10.60	41.6	9.88
	11	9.8	54	12.13	51.2	11.41	48	10.77	46	10.43	44.8	10.09	41.6	9.46
	13	11.8	54	11.54	51.2	10.90	48	10.22	46	9.92	44.8	9.58	41.6	9.03
	15	13.7	54	10.94	51.2	10.39	48	9.75	46	9.46	44.8	9.13	41.6	8.61

Note: TC: Total capacity, PI: Power input.

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### 4-3. Heating capacity correction factor

When outdoor unit frosting under heating mode, heating capacity should be revised according to the formula below:

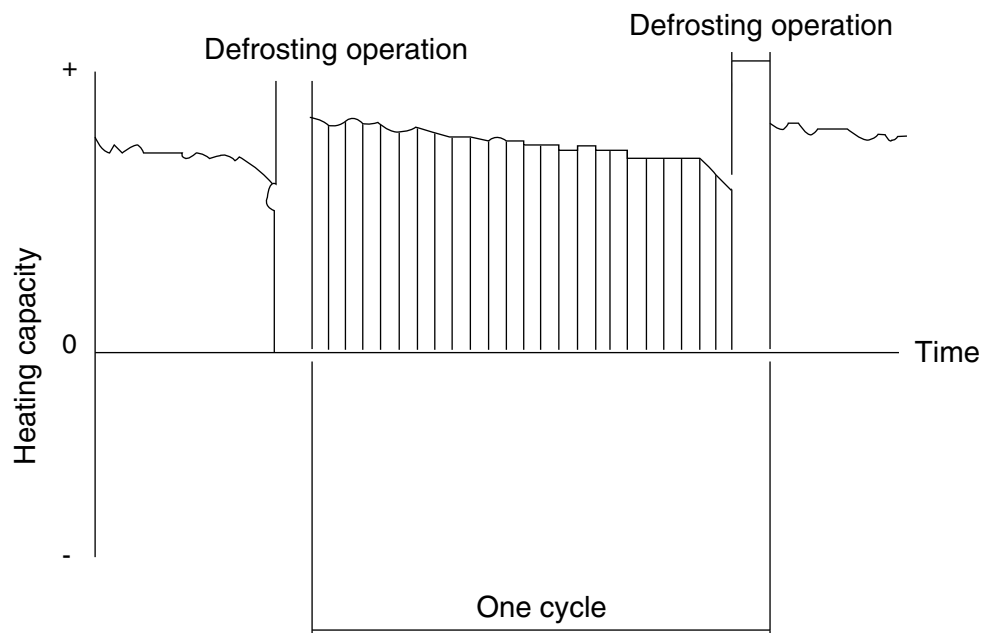
Complete heating capacity=A

Value in heating calorimeter=B

Capacity correction factor under frosting=C

$$A = B \times C$$

Inlet air temperature of outdoor heat exchanger (°C/RH 85%)	-7	-5	-3	0	3	5	7
Capacity correction factor under frosting	0.96	0.93	0.87	0.81	0.83	0.89	1.0



## 4-4. Capacity correction factor

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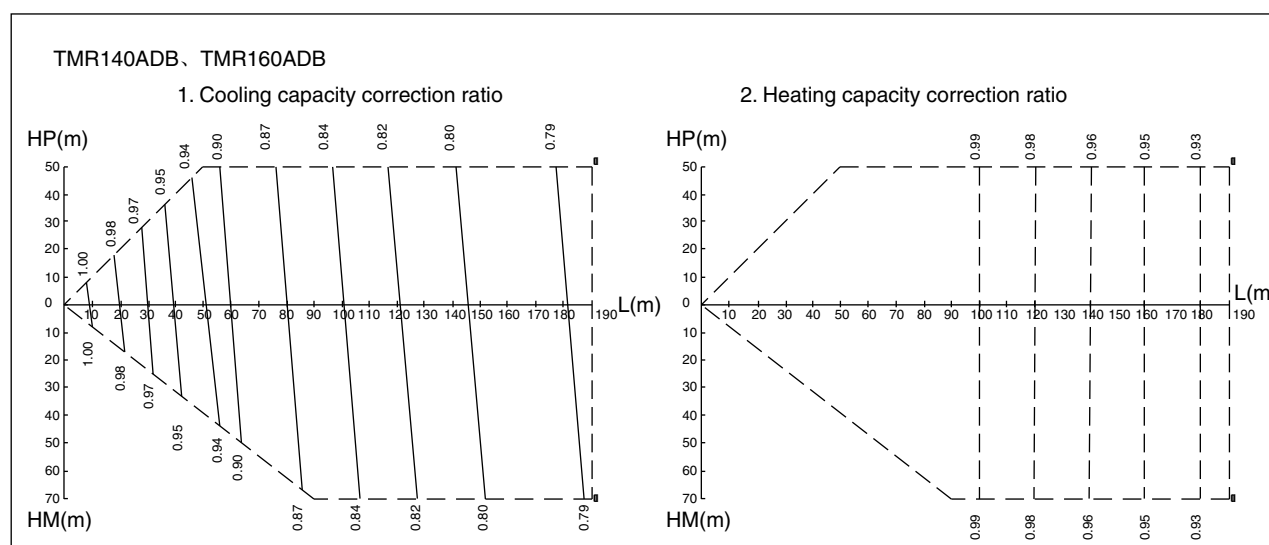
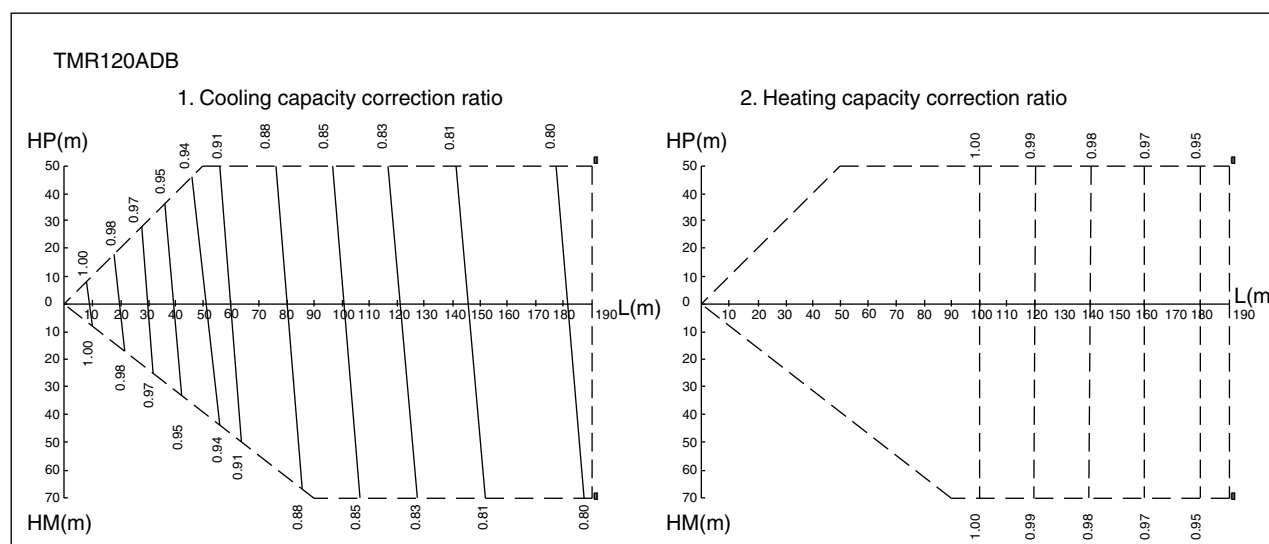
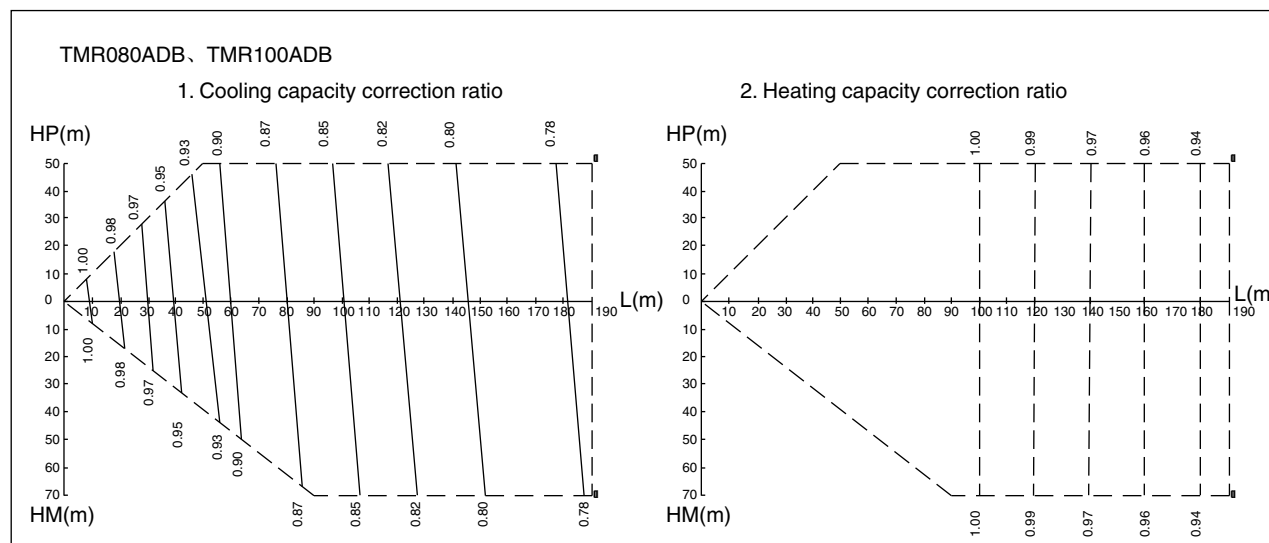
System  
Diagram

Electrical Wiring  
Diagram

External Wiring  
Connection

Sound  
Data

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Range


Marks statement:

HP: the high-low difference (m) between indoor and outdoor units when outdoor units are above indoor units.

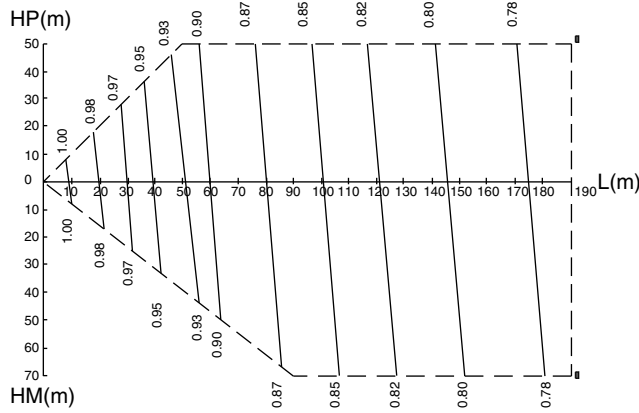
HM: the high-low difference (m) between indoor and outdoor units when outdoor units are under indoor units.

L: Equivalent piping length(m)

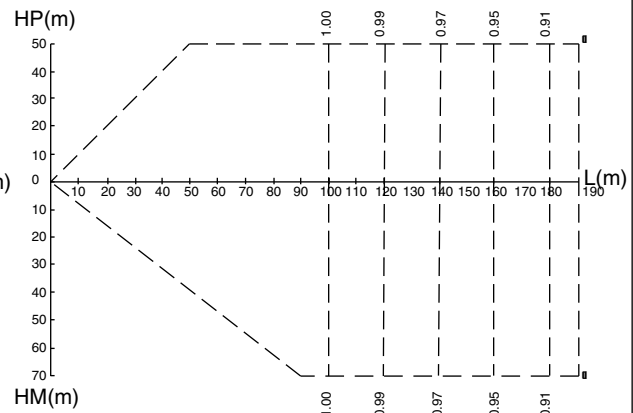
α: Capacity correction factor

## TMR180ADB、TMR200ADB

### 1. Cooling capacity correction ratio

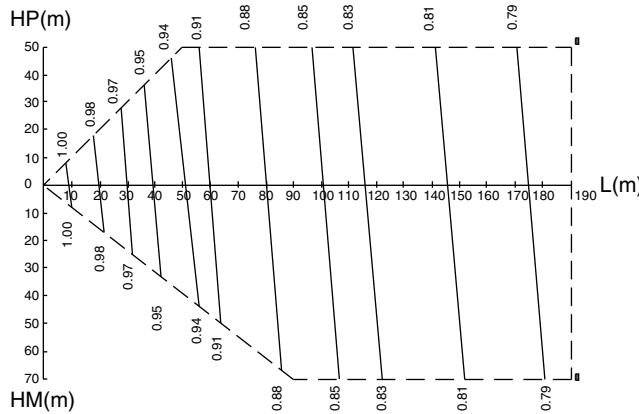


### 2. Heating capacity correction ratio

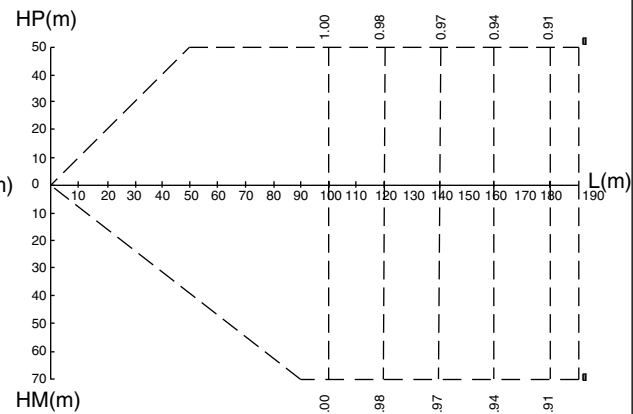


## TMR220ADB

### 1. Cooling capacity correction ratio

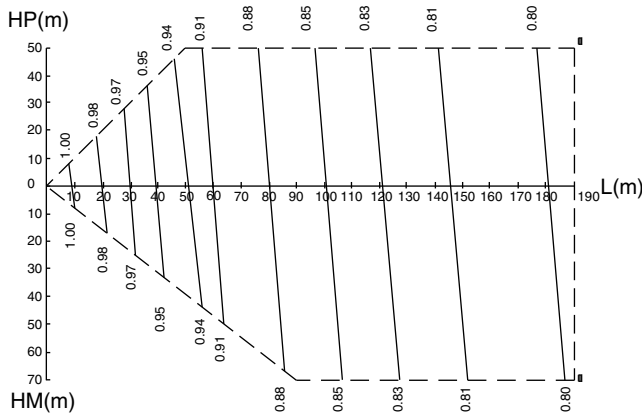


### 2. Heating capacity correction ratio

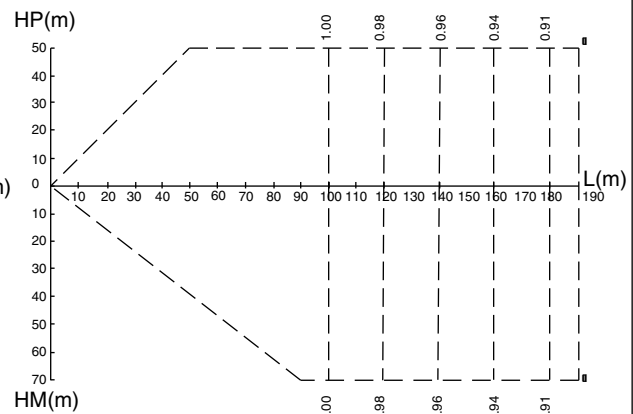


## TMR240ADB、TMR260ADB

### 1. Cooling capacity correction ratio



### 2. Heating capacity correction ratio



Marks statement:

HP: the high-low difference (m) between indoor and outdoor units when outdoor units are above indoor units.

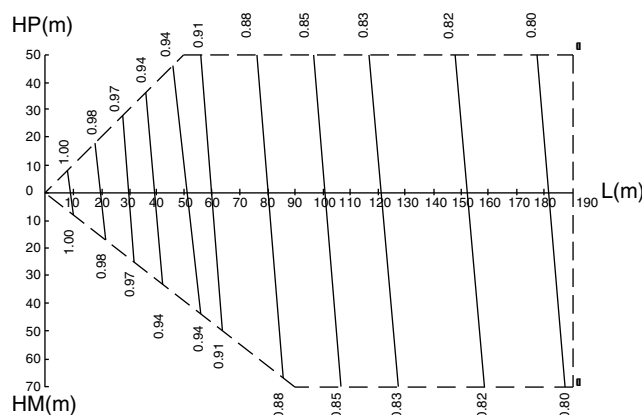
HM: the high-low difference (m) between indoor and outdoor units when outdoor units are under indoor units.

L: Equivalent piping length(m)

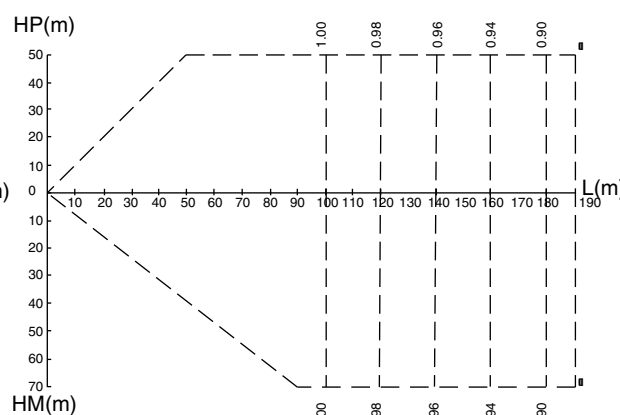
α: Capacity correction factor

## TMR280ADB

### 1. Cooling capacity correction ratio

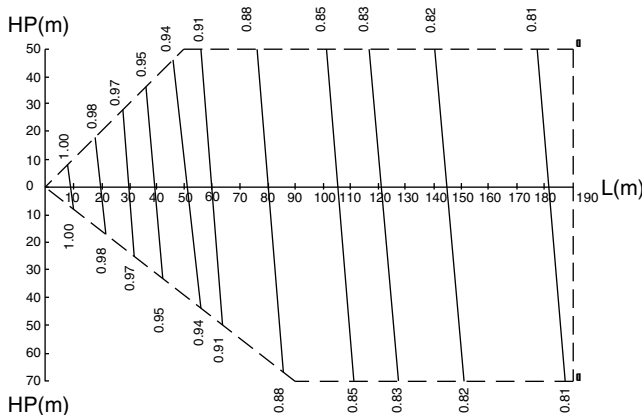


### 2. Heating capacity correction ratio

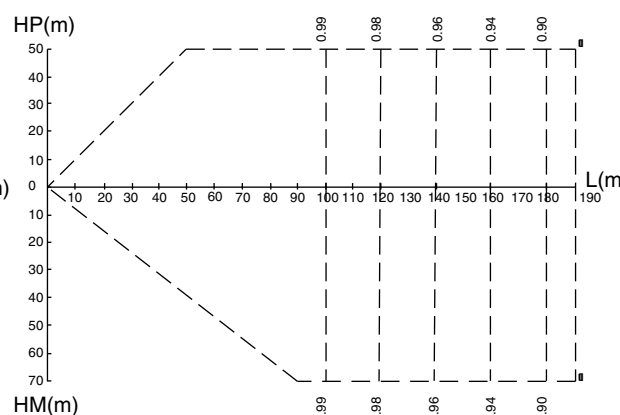


## TMR300ADB, TMR320ADB

### 1. Cooling capacity correction ratio

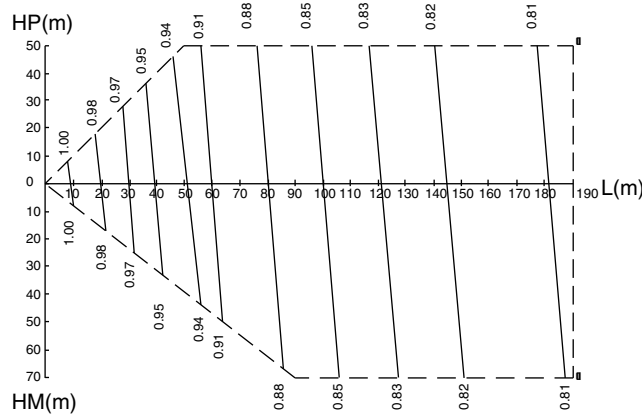


### 2. Heating capacity correction ratio

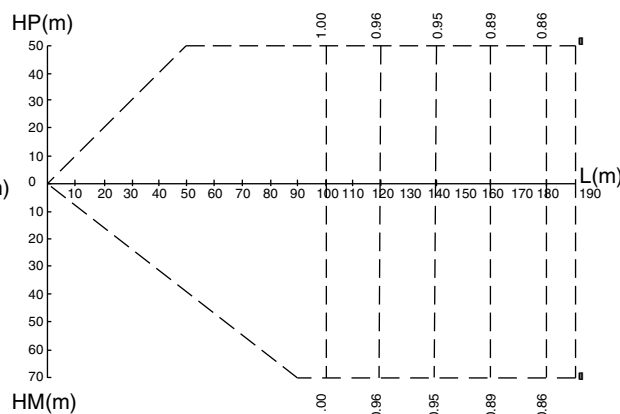


## TMR340ADB, TMR360ADB

### 1. Cooling capacity correction ratio



### 2. Heating capacity correction ratio



#### Marks statement:

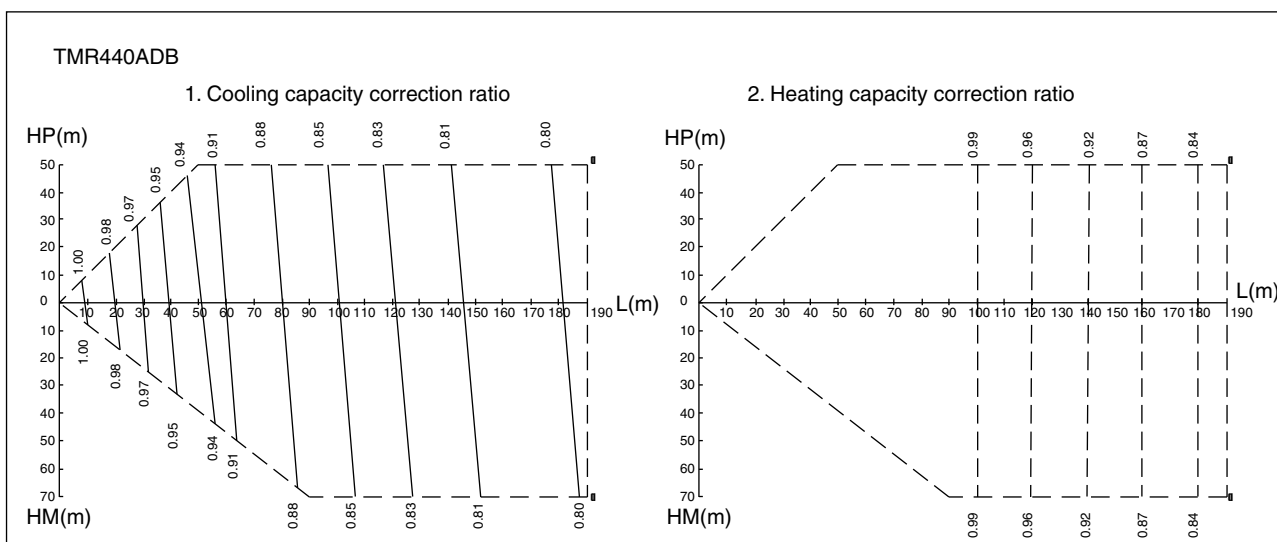
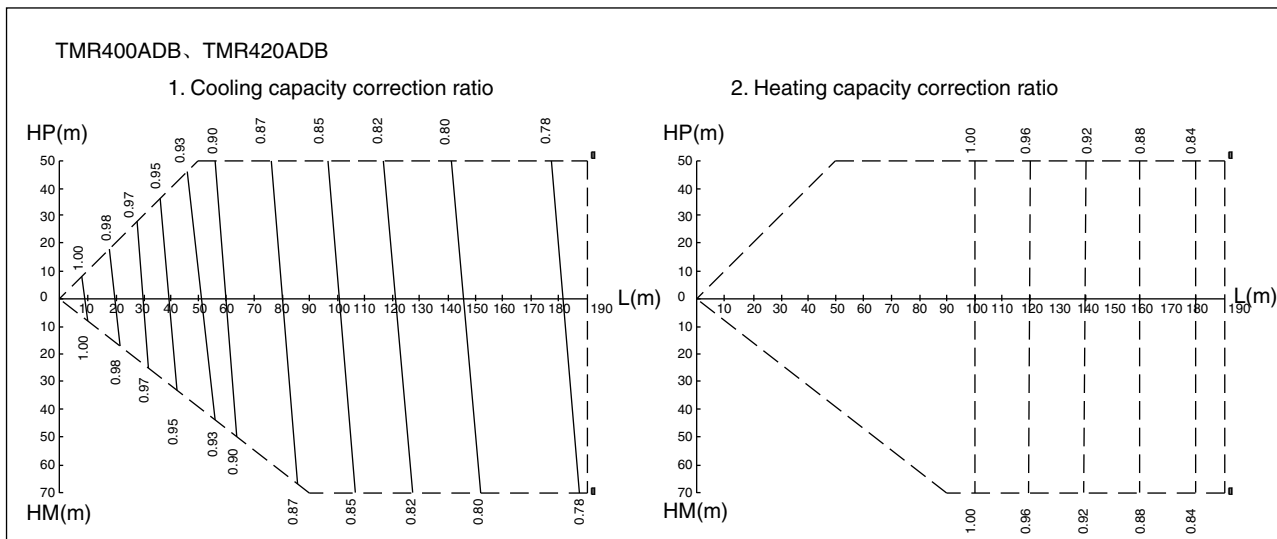
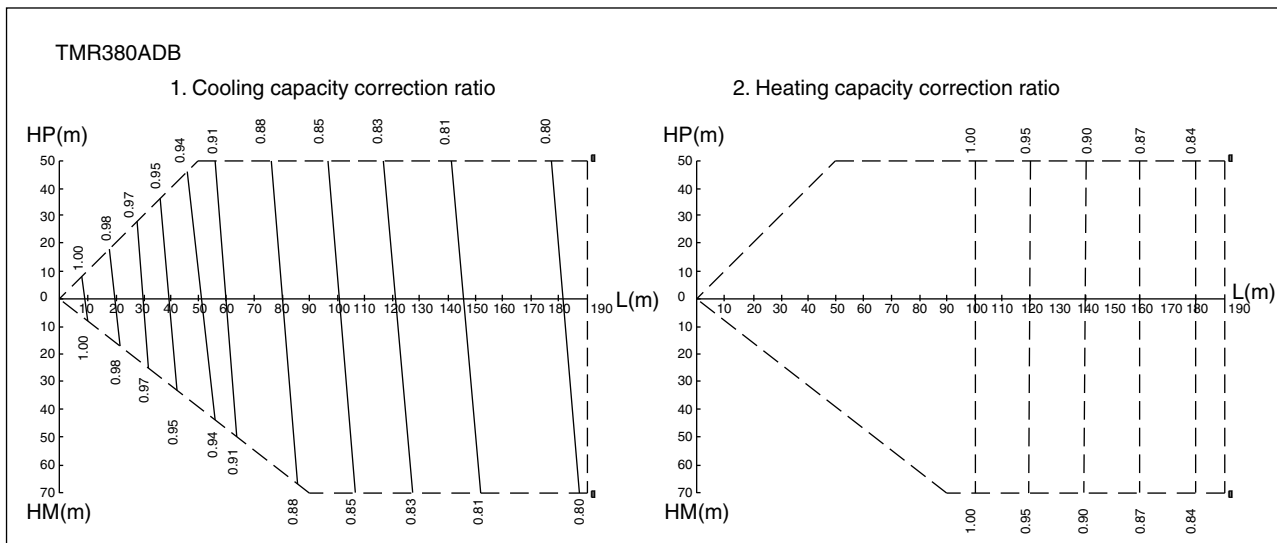
HP: the high-low difference (m) between indoor and outdoor units when outdoor units are above indoor units.

HM: the high-low difference (m) between indoor and outdoor units when outdoor units are under indoor units.

L: Equivalent piping length(m)

α: Capacity correction factor





Marks statement:

HP: the high-low difference (m) between indoor and outdoor units when outdoor units are above indoor units.

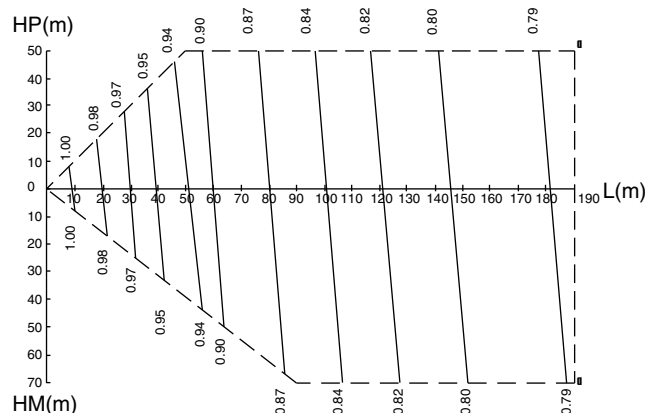
HM: the high-low difference (m) between indoor and outdoor units when outdoor units are under indoor units.

L: Equivalent piping length(m)

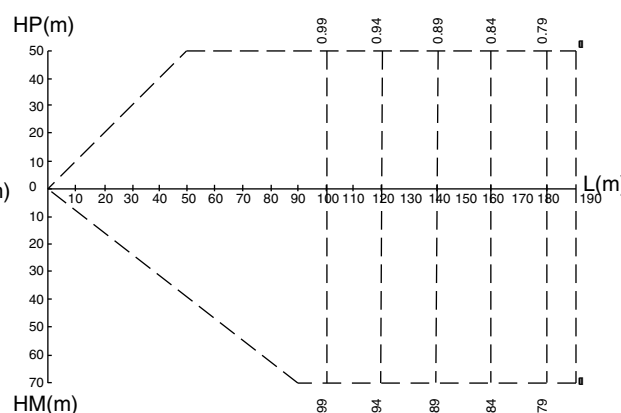
α: Capacity correction factor

## TMR460ADB、TMR480ADB

### 1. Cooling capacity correction ratio

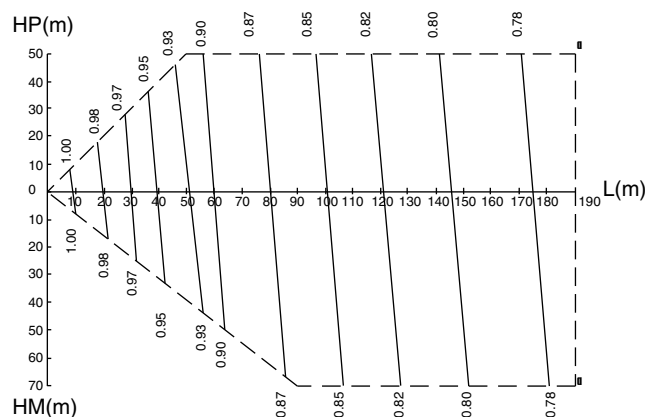


### 2. Heating capacity correction ratio

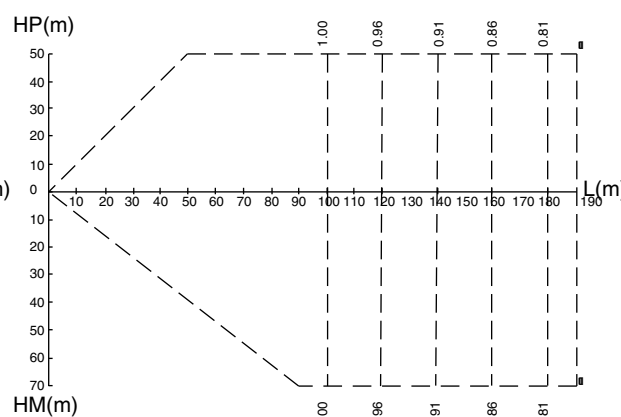


## TMR500ADB、TMR520ADB

### 1. Cooling capacity correction ratio

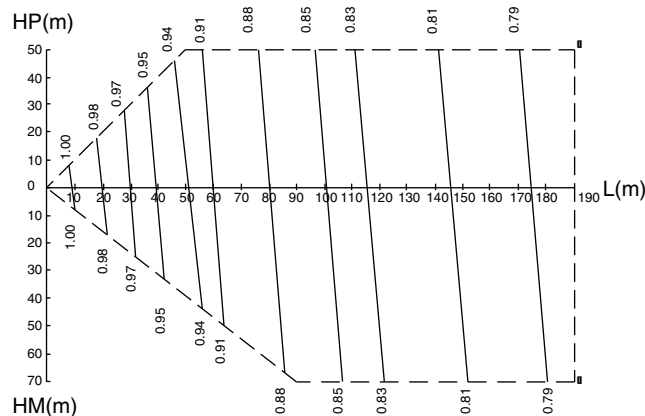


### 2. Heating capacity correction ratio

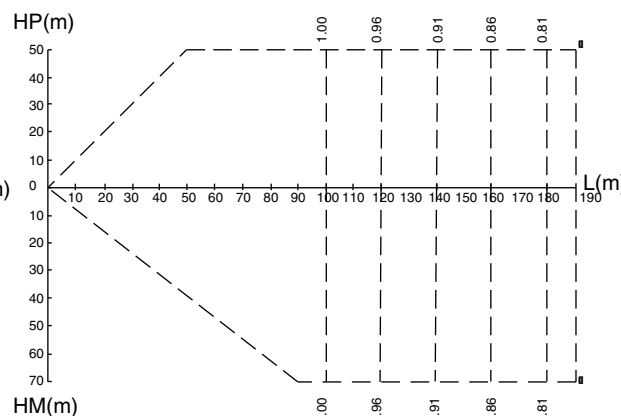


## TMR540ADB

### 1. Cooling capacity correction ratio



### 2. Heating capacity correction ratio



#### Marks statement:

HP: the high-low difference (m) between indoor and outdoor units when outdoor units are above indoor units.

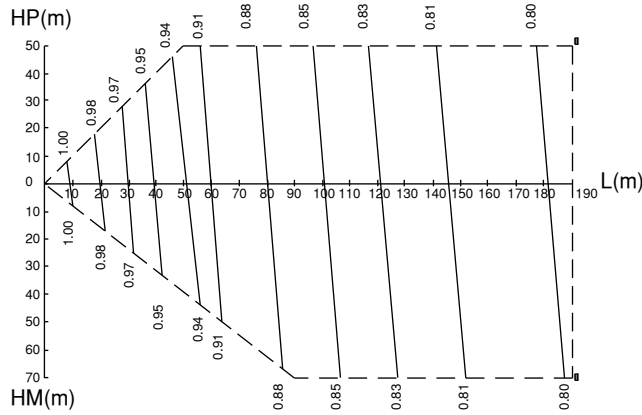
HM: the high-low difference (m) between indoor and outdoor units when outdoor units are under indoor units.

L: Equivalent piping length(m)

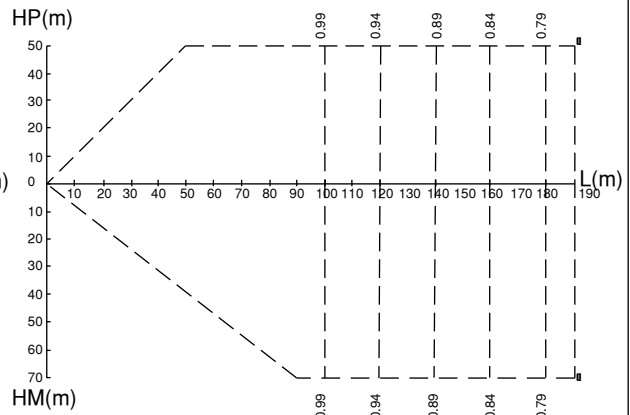
$\alpha$ : Capacity correction factor

## TMR560ADB、TMR580ADB

### 1. Cooling capacity correction ratio

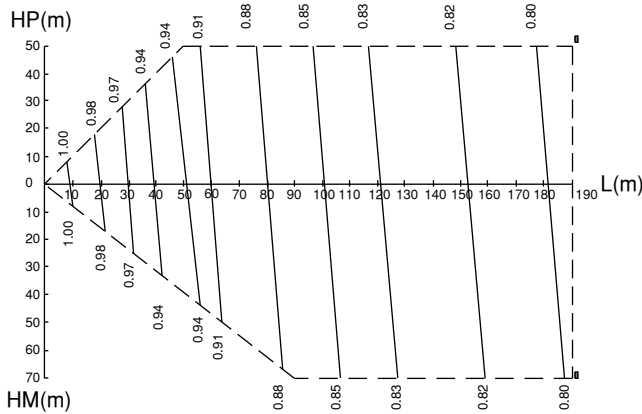


### 2. Heating capacity correction ratio

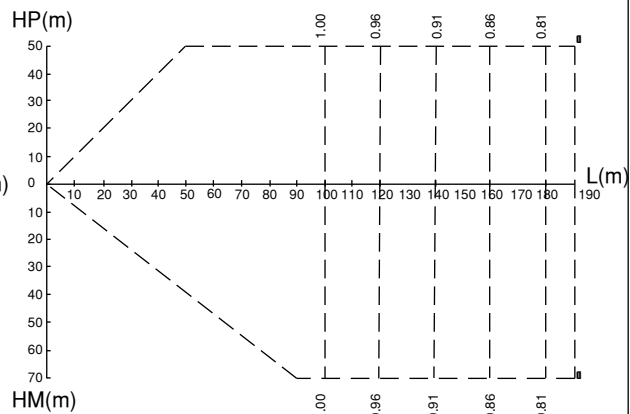


## TMR600ADB

### 1. Cooling capacity correction ratio

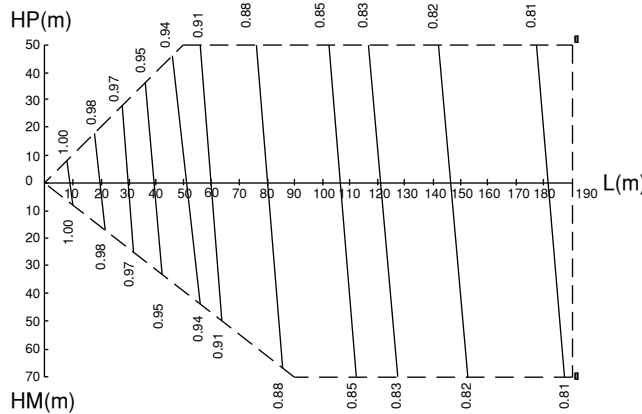


### 2. Heating capacity correction ratio

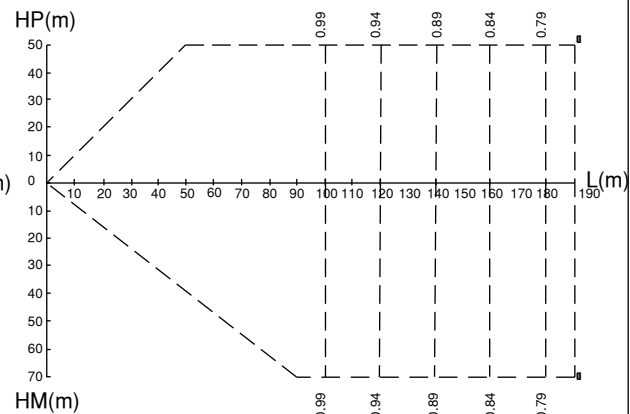


## TMR620ADB、TMR880ADB

### 1. Cooling capacity correction ratio



### 2. Heating capacity correction ratio



Marks statement:

HP: the high-low difference (m) between indoor and outdoor units when outdoor units are above indoor units.

HM: the high-low difference (m) between indoor and outdoor units when outdoor units are under indoor units.

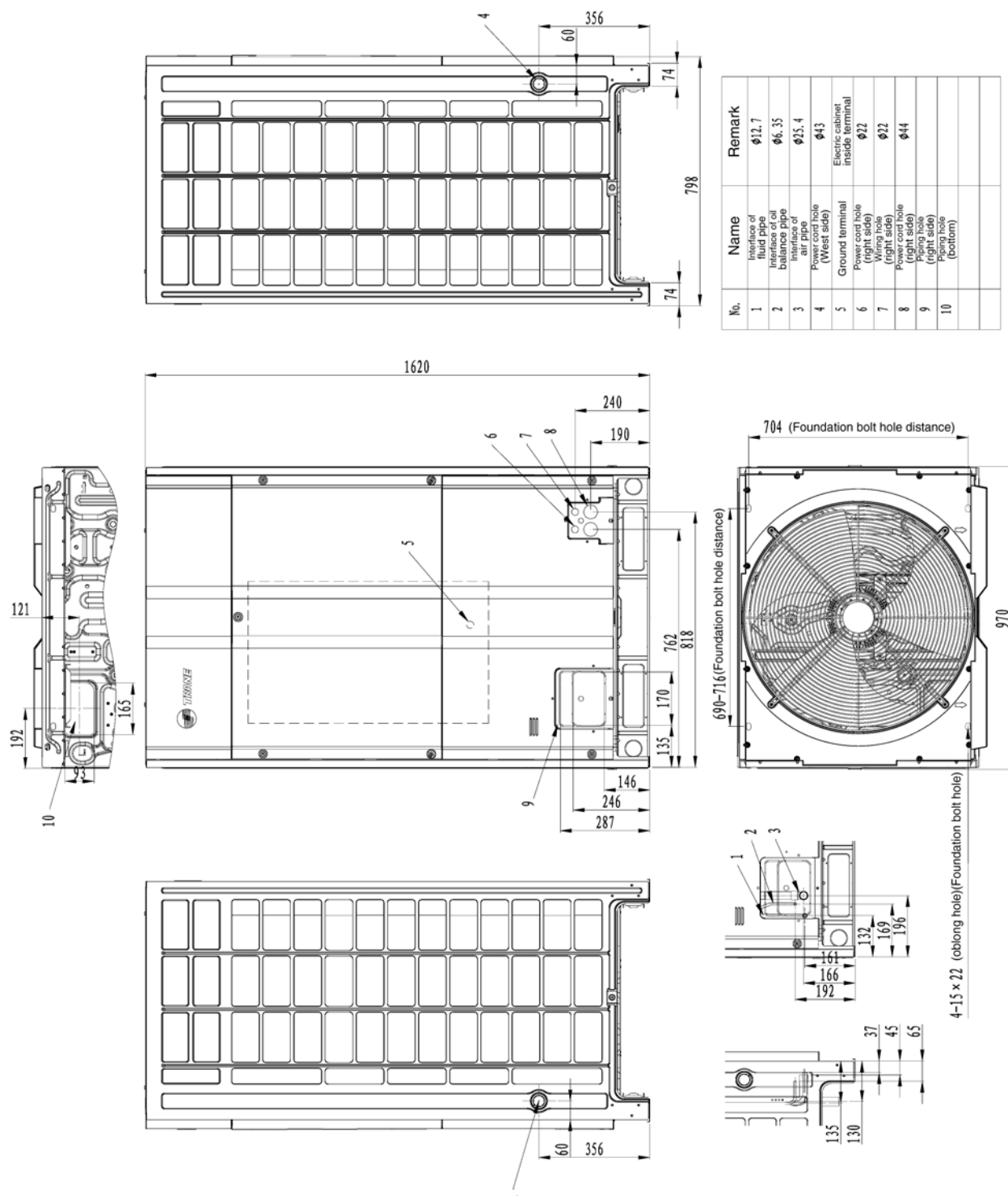
L: Equivalent piping length(m)

α: Capacity correction factor

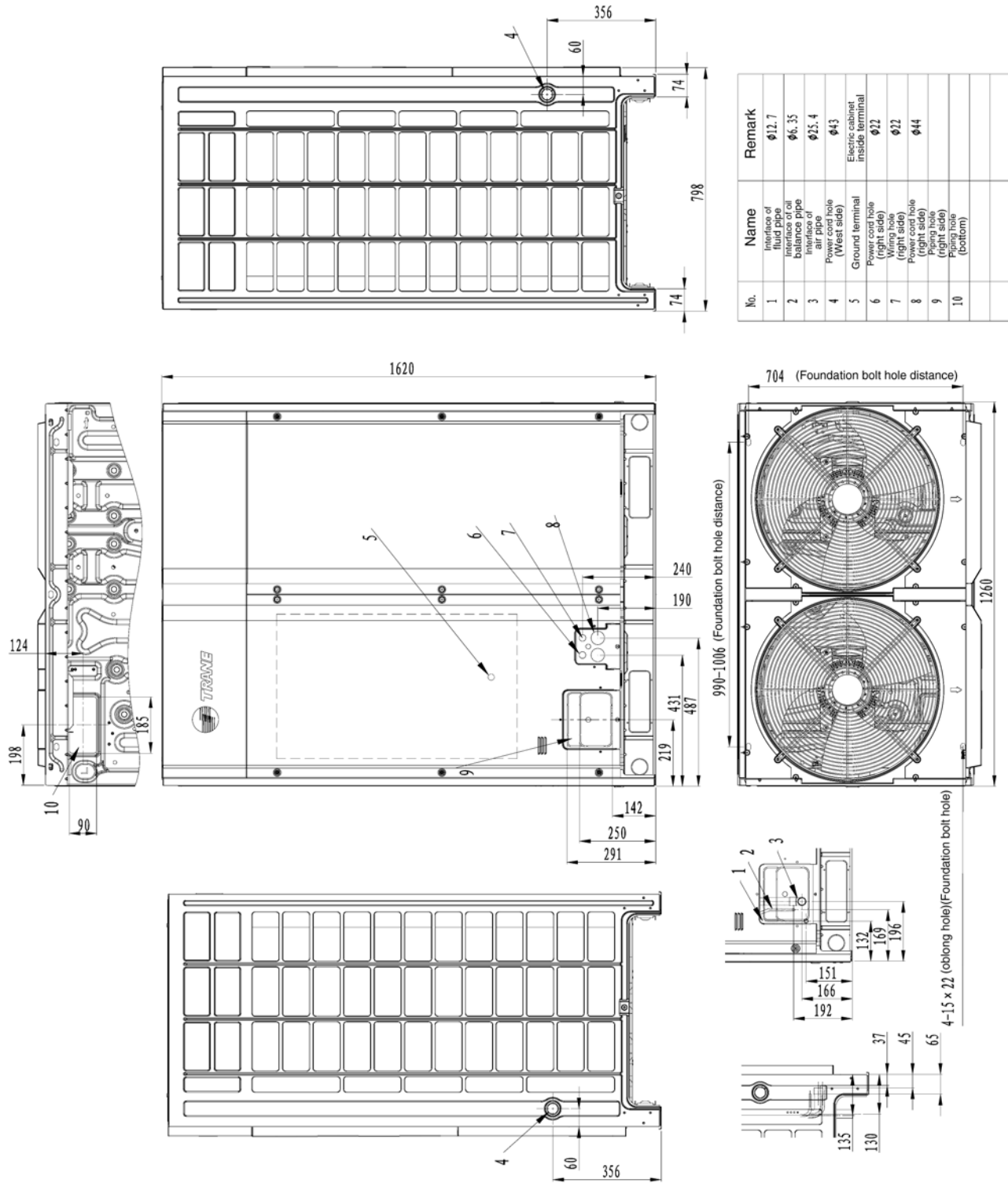
## 5 Dimension Drawing

## 5-1. Dimension drawing

■ TMR080ADB, TMR100ADB

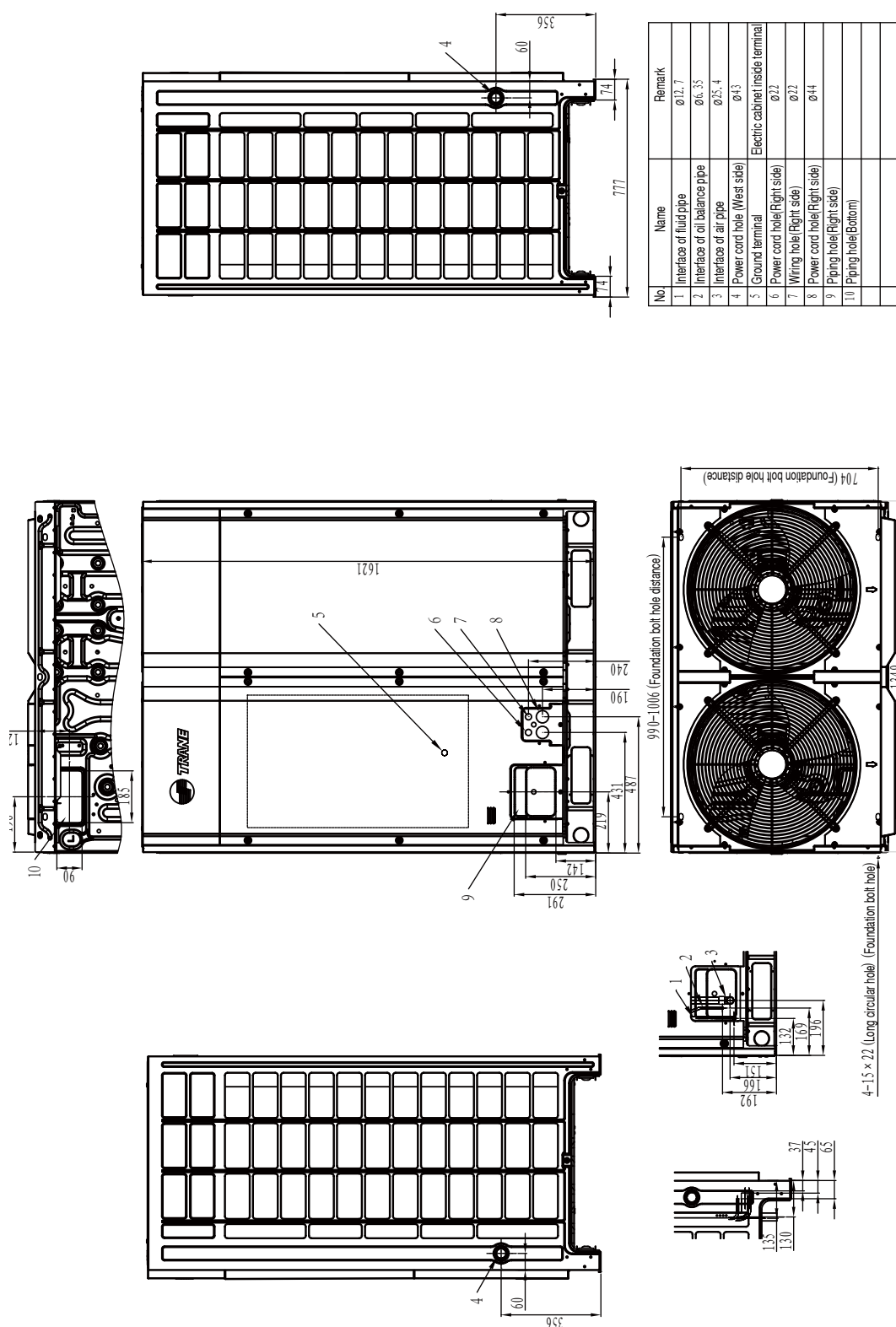


## ■ TMR120ADB,TMR140ADB,TMR160ADB





■ TMR180ADB,TMR200ADB,TMR220ADB



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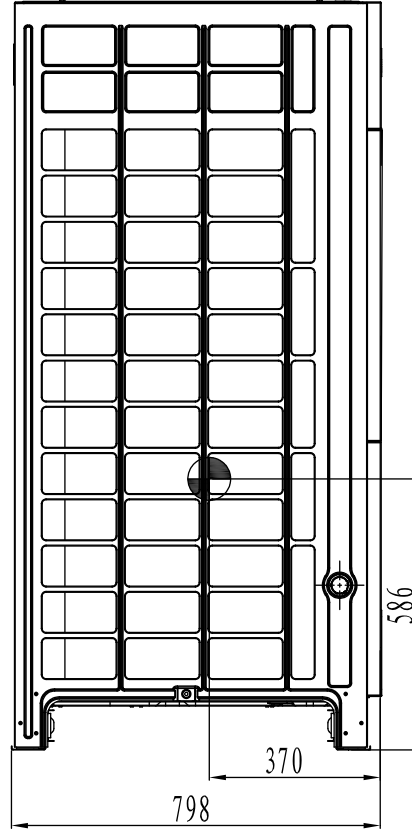
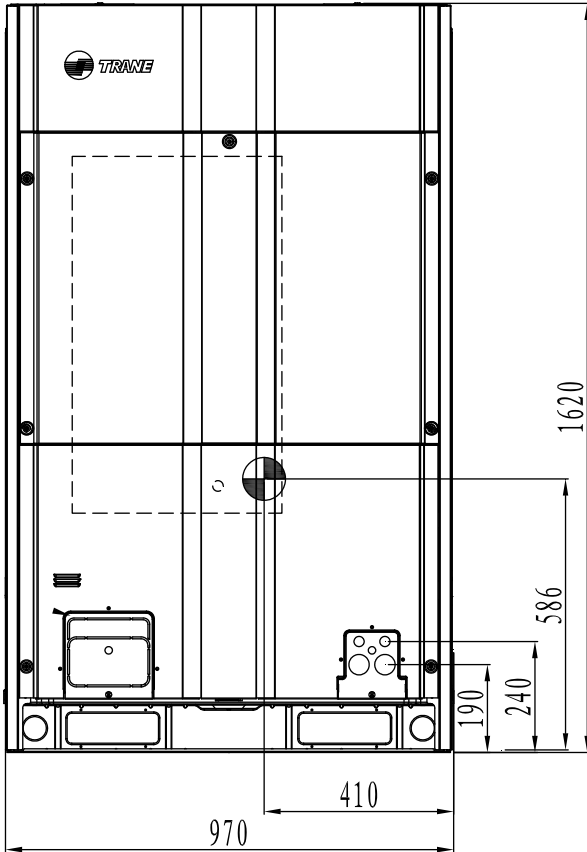
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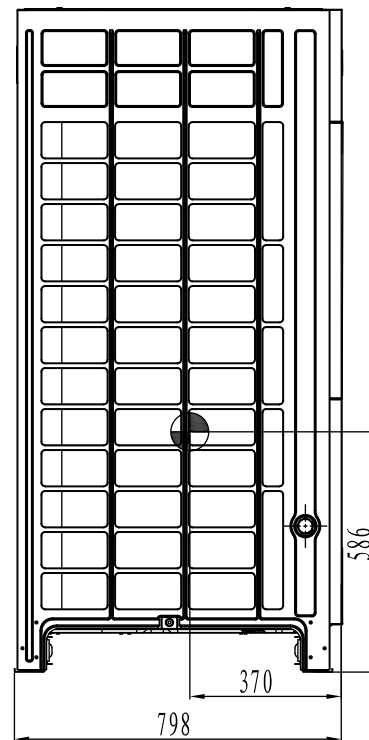
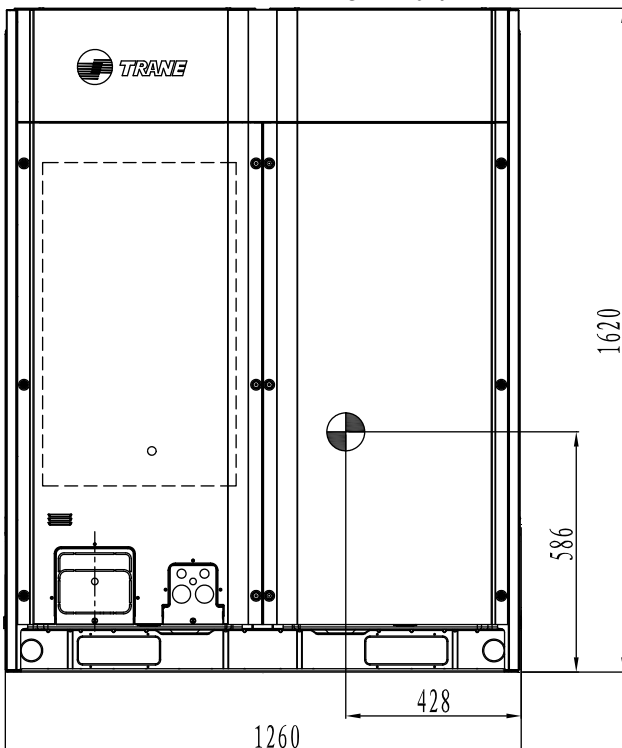
## 6 Center of Gravity

### 6-1. Center of Gravity

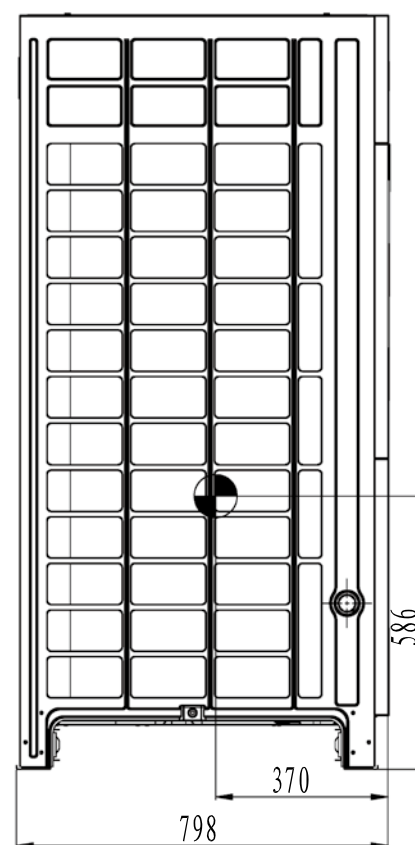
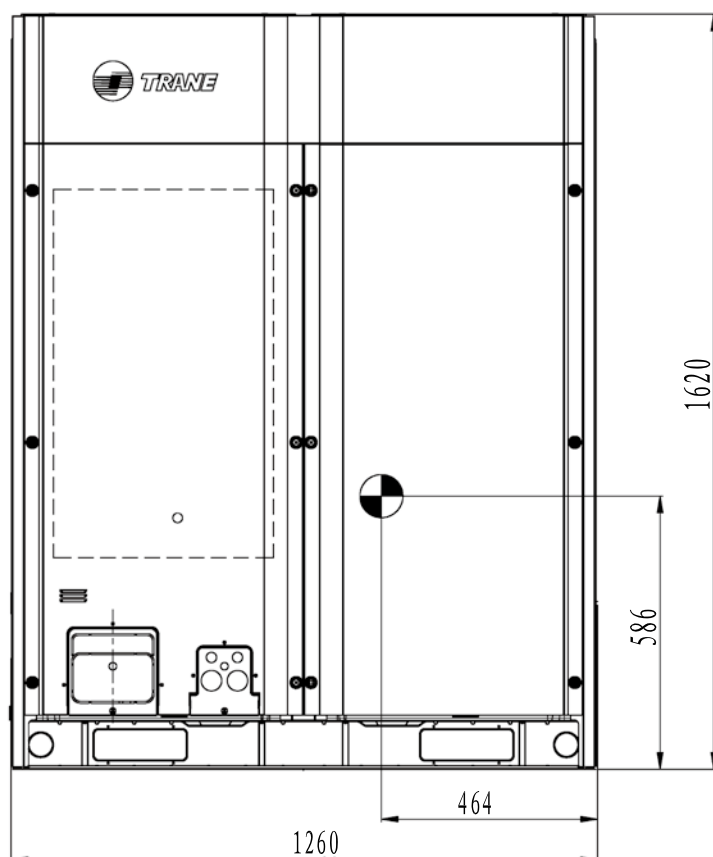
#### ■ TMR080ADB, TMR100ADB center-of-gravity position



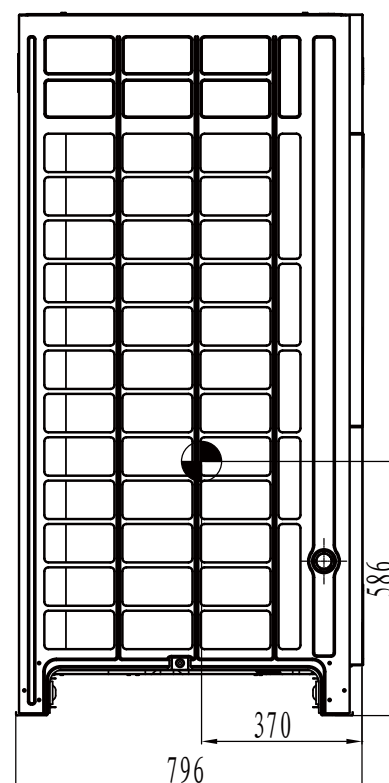
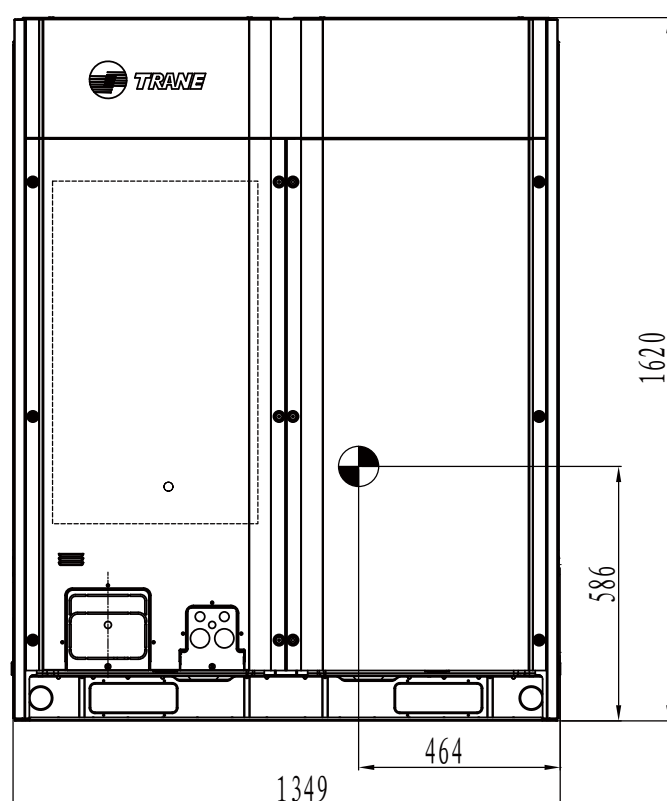
#### ■ TMR120ADB center-of-gravity position



■ TMR140ADB,TMR160ADB center-of-gravity position

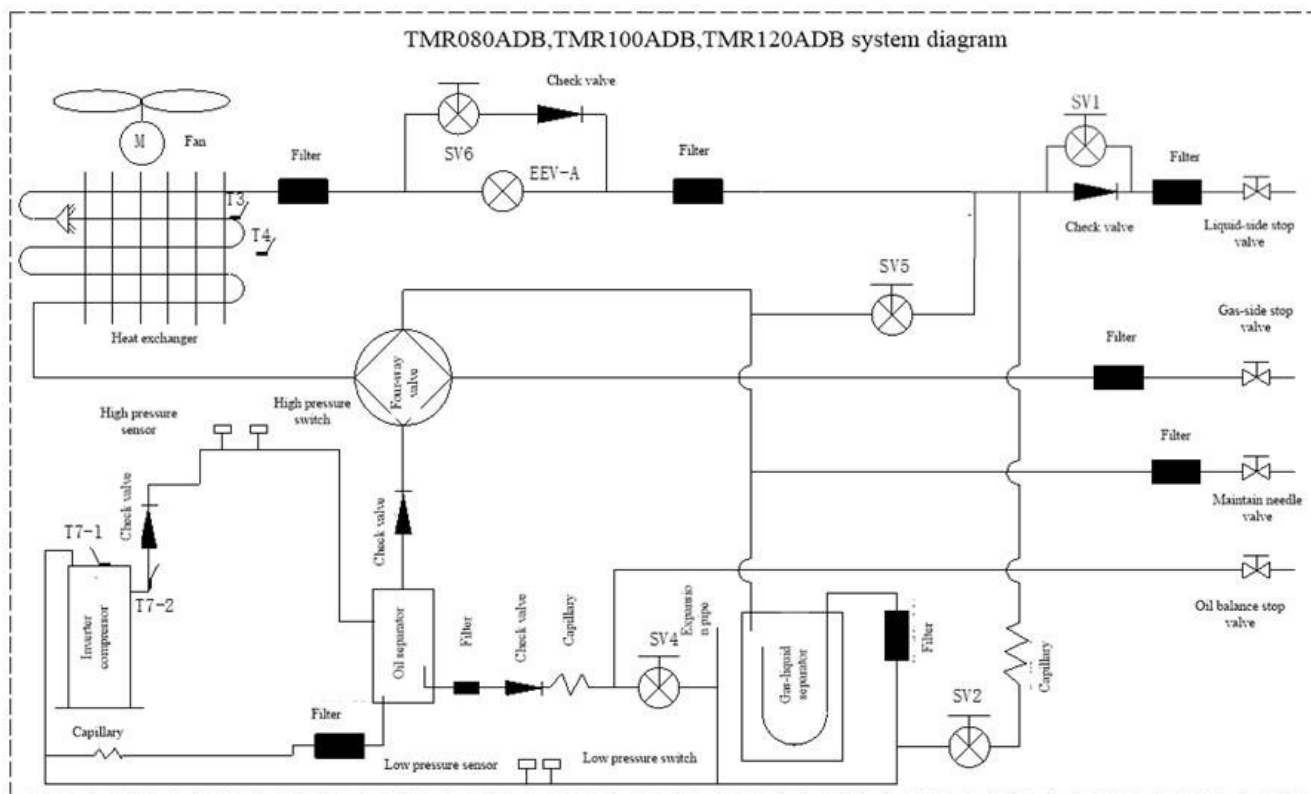


■ TMR180ADB,TMR200ADB,TMR220ADB center-of-gravity position

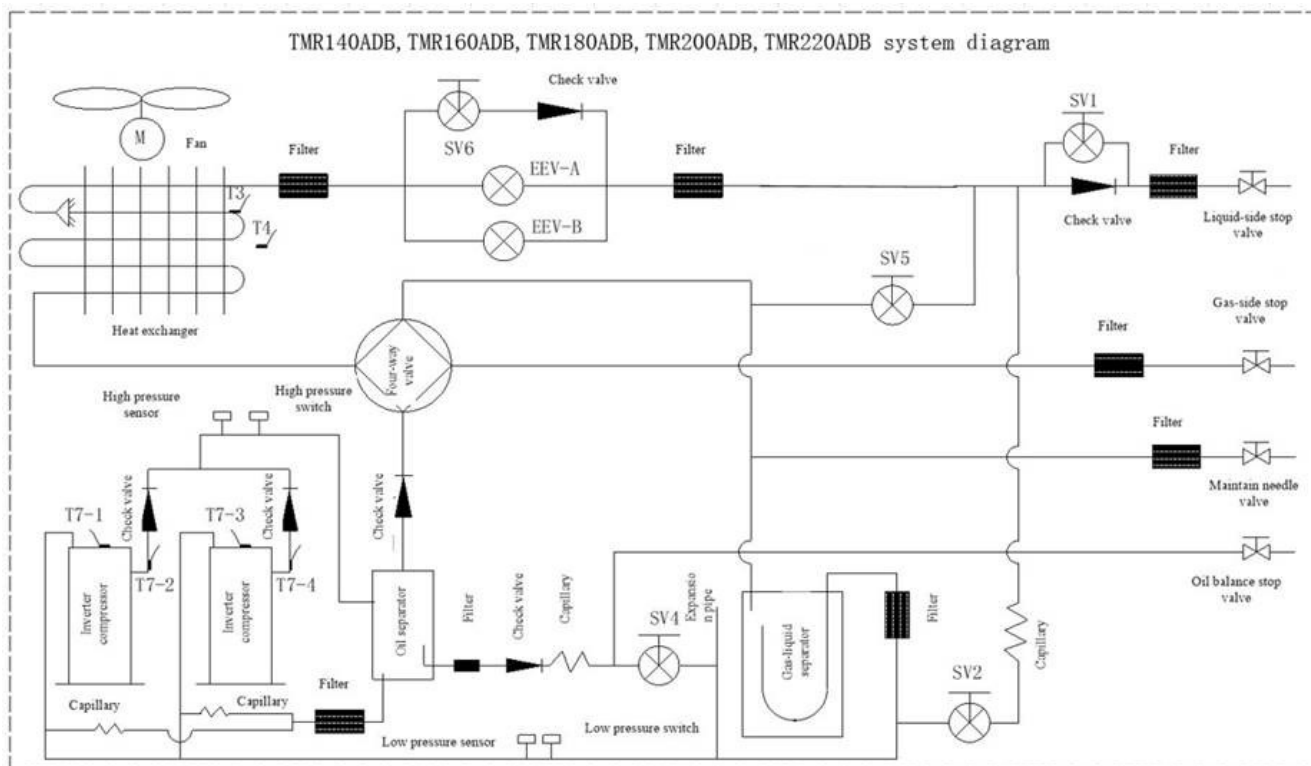


## 7 System Diagram

### ■ TMR080ADB,TMR100ADB,TMR120ADB



### ■ TMR140ADB,TMR160ADB,TMR180ADB,TMR200ADB,TMR220ADB



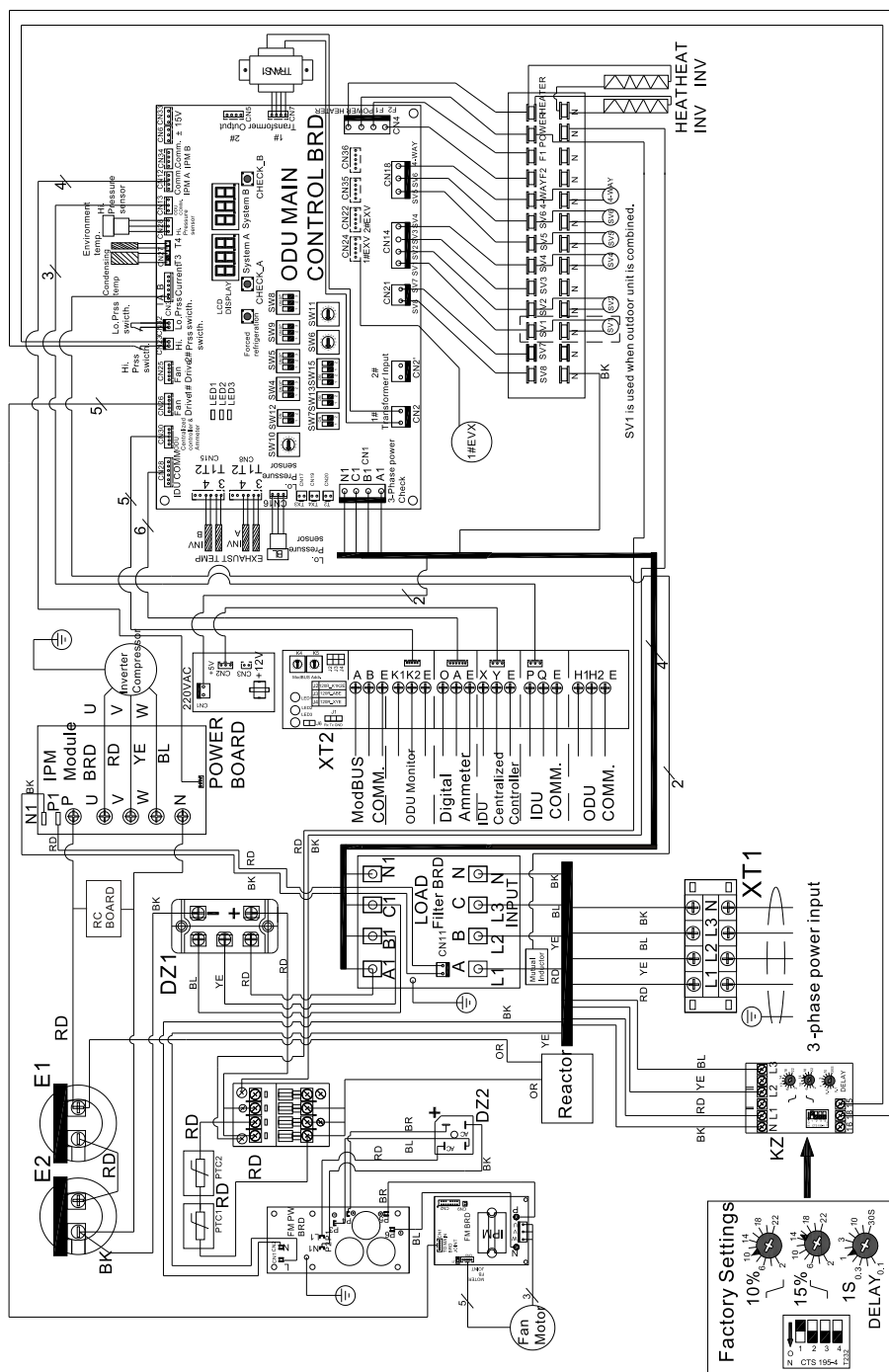
# 8 Electrical Wiring Diagram

## TMR080ADB,TMR100ADB

Caution 1: The E1, E2 electrolytic capacitors must finish releasing electricity after outage.

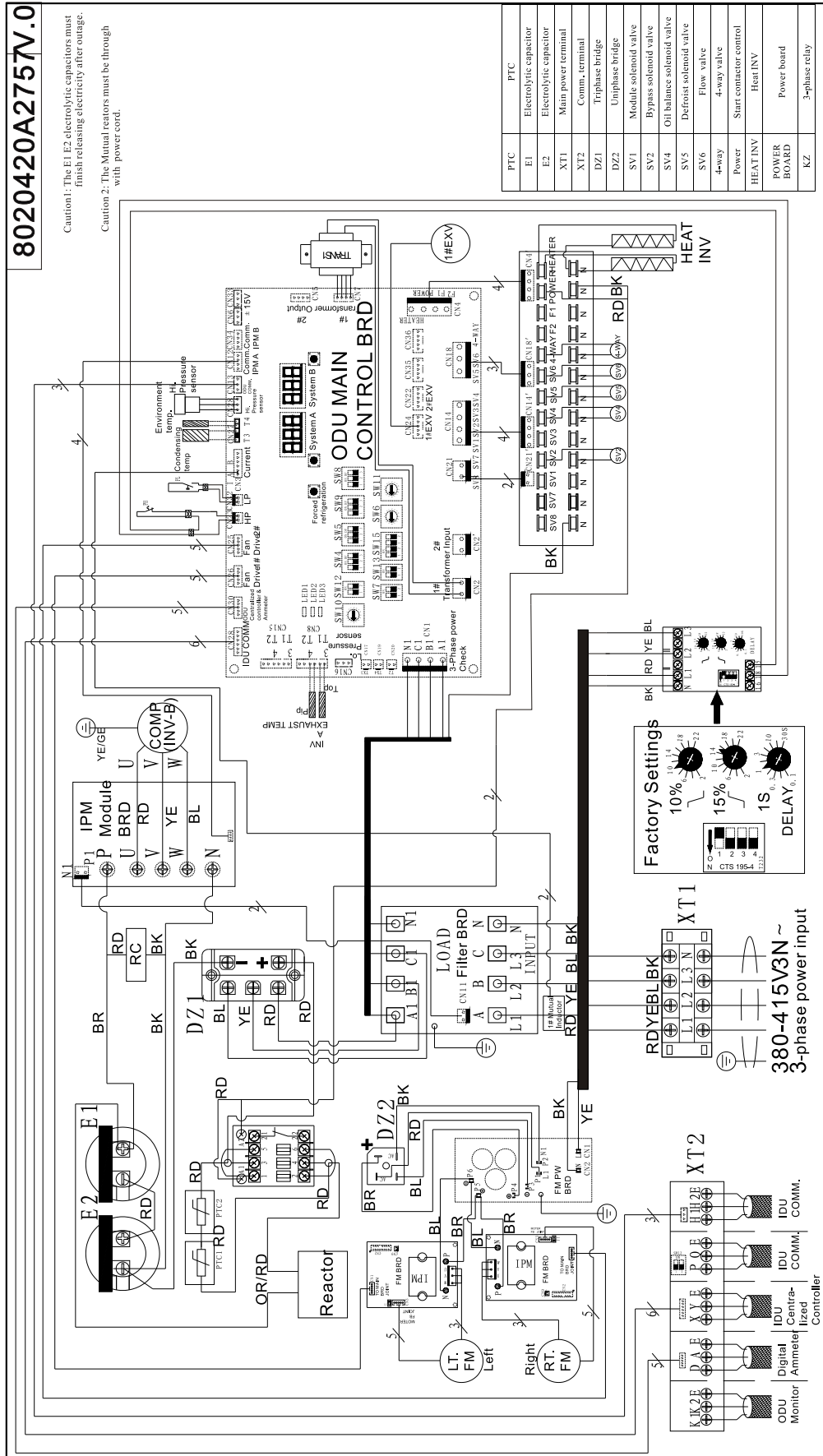
Caution 2: The Mutual reactors must be through with power cord.

PTC	PTC
E1	Electrolytic capacitor
E2	Electrolytic capacitor
XT1	Main power terminal
XT2	Comm. terminal
DZ1	Triphase bridge
DZ2	Uniphase bridge
SV1	Module solenoid valve
SV2	Bypass solenoid valve
SV4	Oil balance solenoid valve
SV5	Defrost solenoid valve
SV6	Flow valve
4-way	4-way valve
Power	Start contactor control
HEAT INV	Heat INV
POWER BOARD	Power board
KZ	3-phase relay



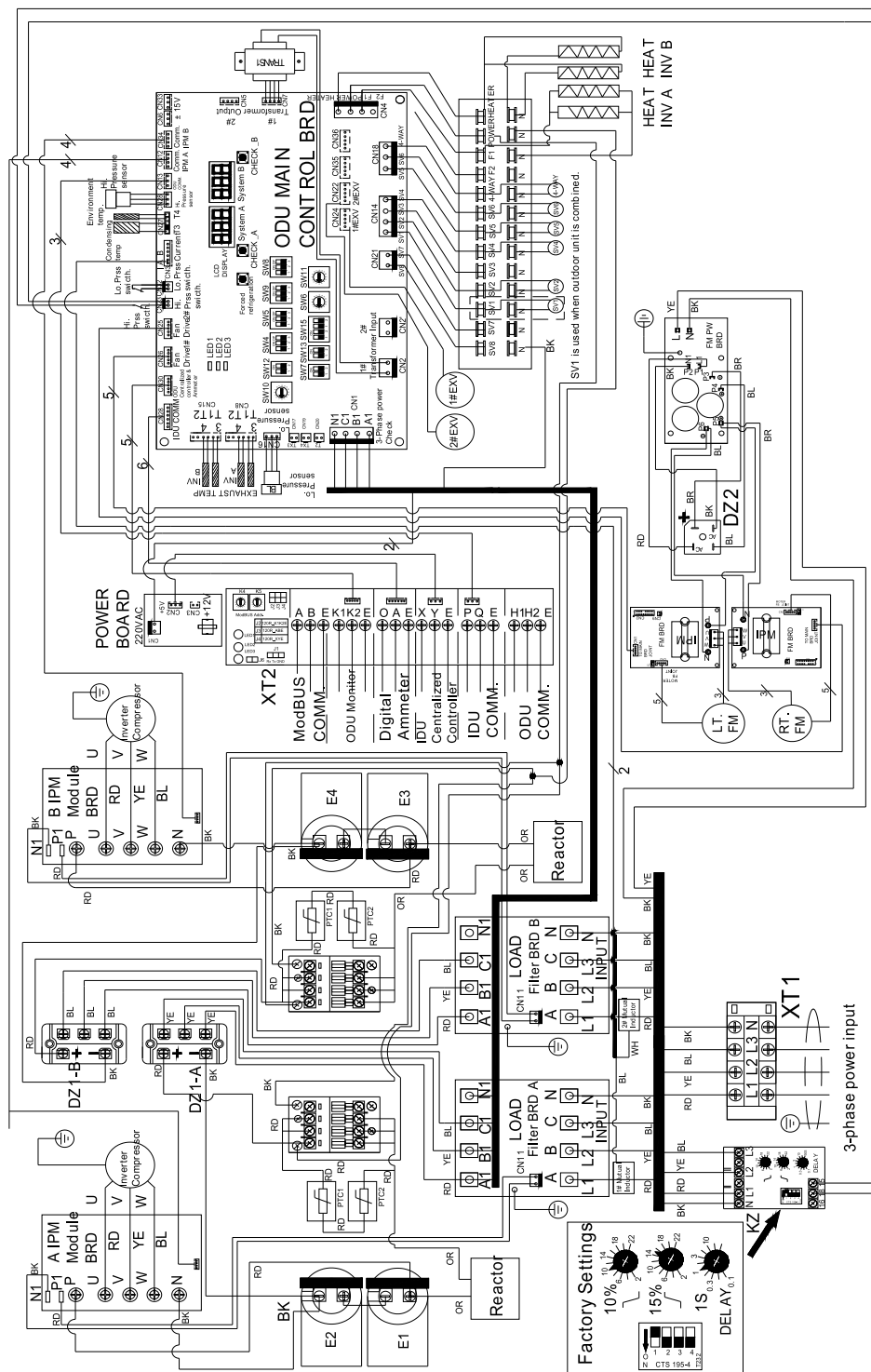


■ TMR120ADB



■ TMR140ADB, TMR160ADB

Caution 1: The E1/E2 electrolytic capacitors must finish releasing electricity after outage.  
Caution 2: The Mutual reactors must be through with power cord.



PTC	PTC
E1/E2	Electrolytic capacitor
E3/E4	Electrolytic capacitor
XT1	Main power terminal
XT2	Comm. terminal
DZ1	Triphase bridge
DZ2	Uniphase bridge
SV1	Module solenoid valve
SV2	Bypass solenoid valve
SV4	Oil balance solenoid valve
SV5	Defrost solenoid valve
SV6	Flow valve
4-way	4-way valve
Power	Start contactor control
HEAT INV	Heat INV
POWER BOARD	Power board
KZ	3-phase relay

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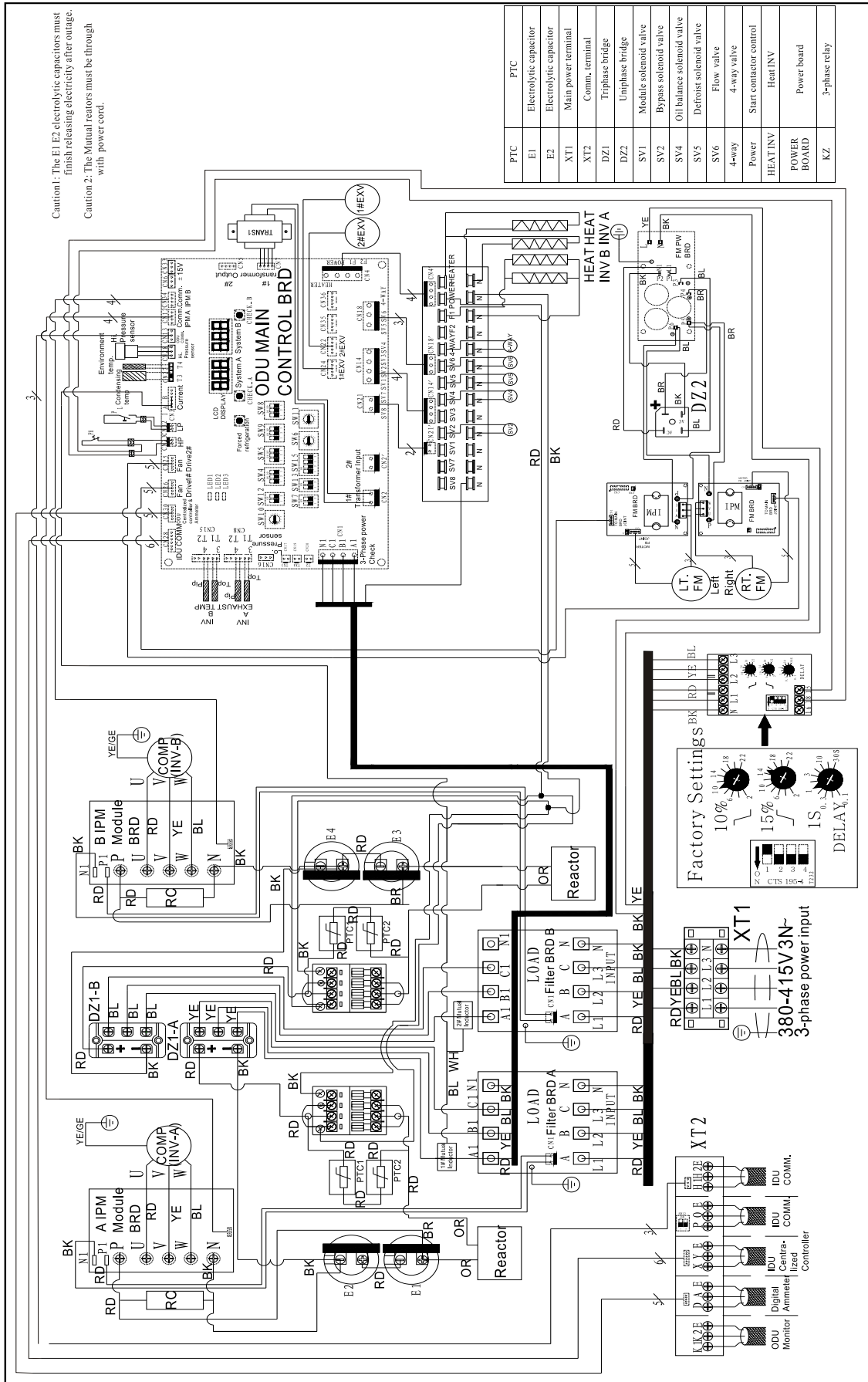
External Wiring Connection

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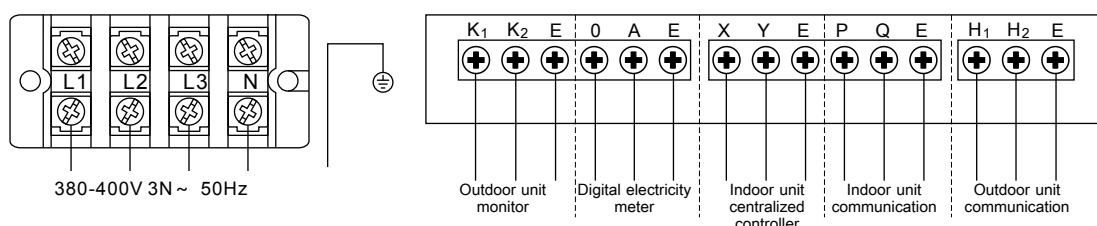
Operation Range

## TMR180ADB, TMR200ADB, TMR220ADB



## 9 External Wiring Connection

### ■ Descriptions of wiring terminal functions



### ■ Outdoor unit power wiring

When the power is individually supplied, (no power equipment is used) (see the table below)

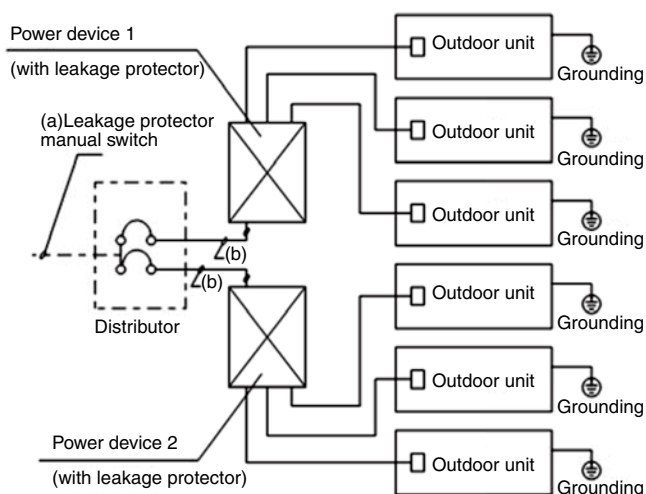
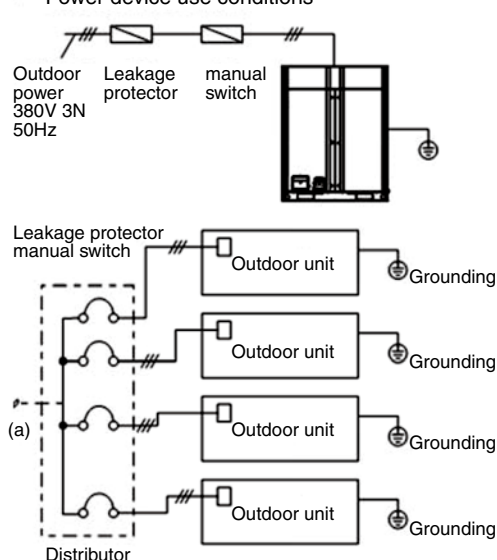
Model	Project	Power supply	Thinnest wire diameter (mm <sup>2</sup> )(Wiring of metal tube synthetic resin pipes)		Manual switch(A)		Leakage protector
			Below 20m	Below 50m	Capacity	Fuse	
TMR080ADB		380V 3N~ 50Hz	5×4	5×4	25	25	100mA Below 0.1sec
TMR100ADB			5×4	5×6	32	32	
TMR120ADB			5×6	5×10	50	50	
TMR140ADB			5×6	5×10	50	50	
TMR160ADB		380V 3N~ 50Hz	5×6	5×10	50	50	100mA Below 0.1sec
TMR180ADB			5×10	5×16	50	50	
TMR200ADB			5×10	5×16	50	50	
TMR220ADB			5×10	5×16	50	50	

Notes: Each unit has a separate power supply, so the electrical wiring for each unit shall comply with the corresponding standard for TMR080ADB, TMR100ADB, TMR120ADB, TMR140ADB, TMR160ADB, TMR180ADB, TMR200ADB or TMR220ADB.

### ⚠ Notice

The diameter and continuous length of cables in the table is for the situation when the voltage drop is within 2%, and the cable diameter shall be selected as per the related specification if the continuous length goes beyond the value in the table.

#### Power device use conditions



## ■ Selection of the wire diameters

The power wiring refers to the trunk line (a) to the distributor and the wiring from the distributor to the power supply equipment (b). Please determine the wire diameters according to the following methods.

① The trunk line (a) can have its diameter achieved from the following table according to the sum of the outdoor unit capacities.

For example: The total capacity = 26HP, including 8HP (1 set) + 8HP (1 set) + 10HP (1 set), and if the trunk line (a) has its length within 50m, we can achieve the wire diameter = 16mm<sup>2</sup> from table below

② Diameter of the wiring from the distributor to the power supply equipment (b)

When there are fewer than 5 outdoor units, it should be the same as the trunk line (a); when there are more than 6 outdoor units, the power equipment as shown in figure will have two control switches, it can be obtained from table below according to the total capacity of the outdoor units connected to each control switch.

For example: As shown in figure, the power supply equipment 1 can power 3 sets of outdoor units (16HP, 12HP and 8HP respectively), and then, the total capacity = 36HP (16HP + 12HP + 8HP); if the length of this line segment is within 20m, we can obtain the wire diameter = 16mm<sup>2</sup> from table below. Namely, the wiring line diameter is 16mm<sup>2</sup> from the distributor to the power equipment 1.

③ Select the wire diameter (no smaller than) as shown in the table below.

Please revise the values to what is shown below

Total capacity of the ODU (HP)	Wire Diameter (mm <sup>2</sup> )	Total capacity of the ODU (HP)	Wire Diameter (mm <sup>2</sup> )	Total capacity of the ODU (HP)	Wire Diameter (mm <sup>2</sup> )
8	4	36	16	64	70
10	4	38	25	66	95
12	4	40	25	68	95
14	6	42	35	70	95
16	6	44	35	72	95
18	10	46	35	74	95
20	10	48	35	76	95
22	10	50	35	78	95
24	16	52	50	80	95
26	16	54	50	82	95
28	16	56	50	84	95
30	16	58	70	86	95
32	16	60	70	88	95
34	16	62	70		

④ Select the distributor manual switch and fuse capacity.

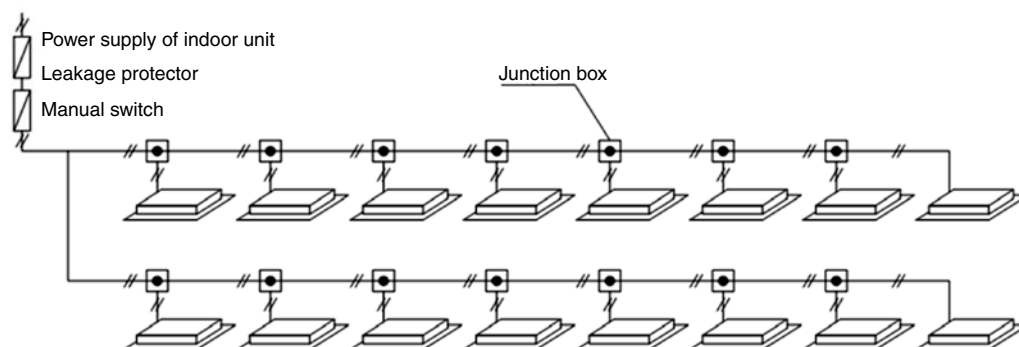
a) When no power equipment is used, the capacity shall be decided by the outdoor unit connected as shown in the table below.

b) When there is any power equipment used, obtain it from the table below according to the total capacity of the outdoor units.

Total capacity, manual switch and fuse capacity

Total capacity of the ODU (HP)	Manual switch (A)	Fuse (A)	Total capacity of the ODU (HP)	Manual switch (A)	Fuse (A)
8	25	25	30-36	100	100
10-12	32	32	38-44	125	125
14-18	50	50	46-56	160	160
20-22	63	63	58-88	200	200
24-28	80	80			

## ■ Power lines of indoor units



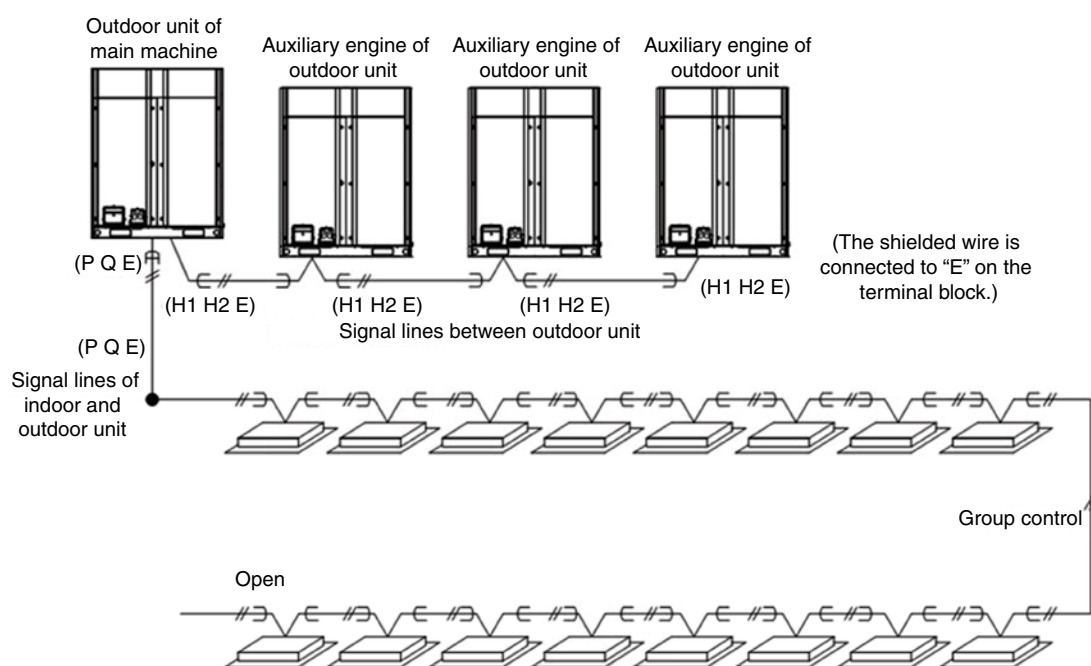


Please take the refrigerant piping system and the connecting signal lines between indoor units and between indoor and outdoor units as the same system. All indoor units in the same system must be powered in a unified manner. When the power line is parallel to the signal line, please put the lines into their own wiring tubes respectively, with an appropriate distance reserved between lines.

(Distance between power lines: 10A or less 300mm, 50A or less 500mm) When several outdoor units are connected in parallel, the outdoor unit addresses shall be well set.

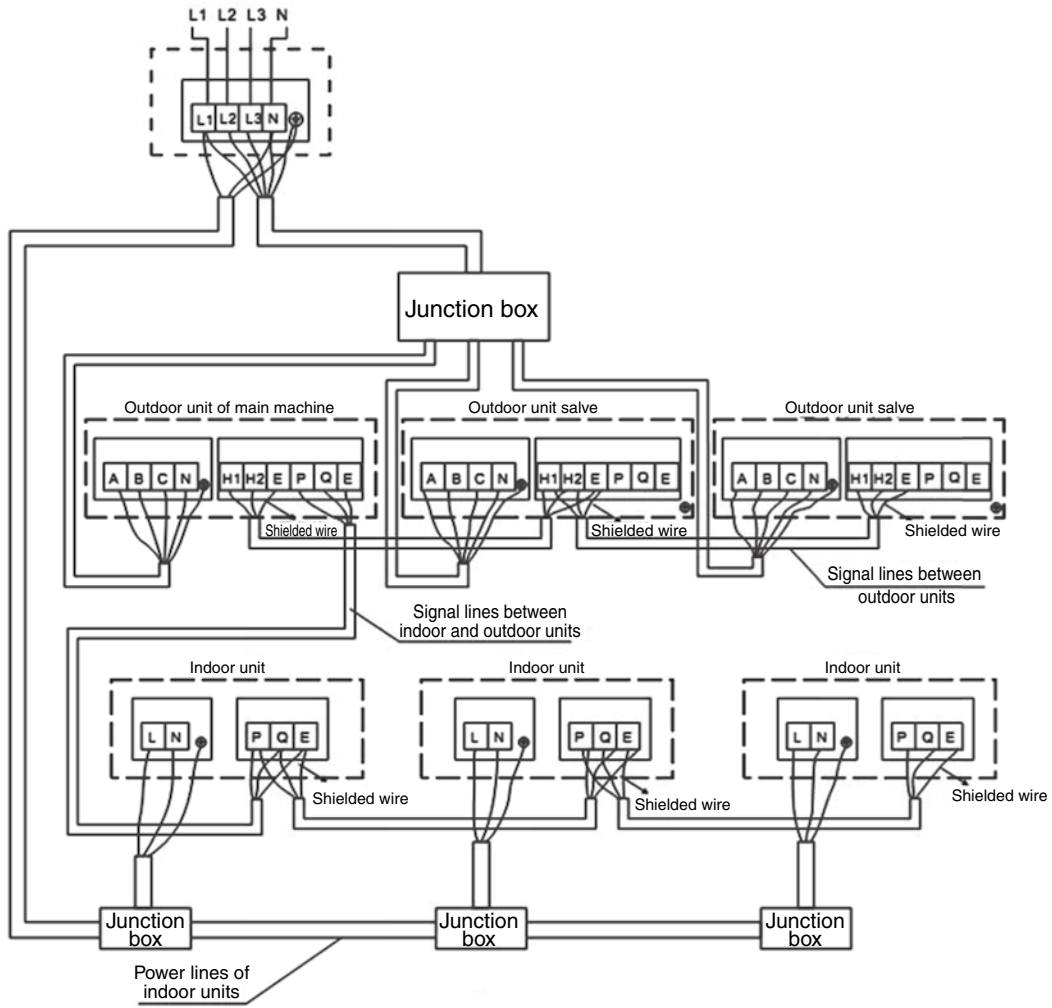
Indoor and outdoor unit signal line wiring

The indoor and outdoor unit signal lines should use dual-core shielded wires (greater than or equal to 0.75mm), which shall be correctly connected due to polarity. Moreover, the indoor and outdoor unit signal lines can only be led out from the outdoor master unit.



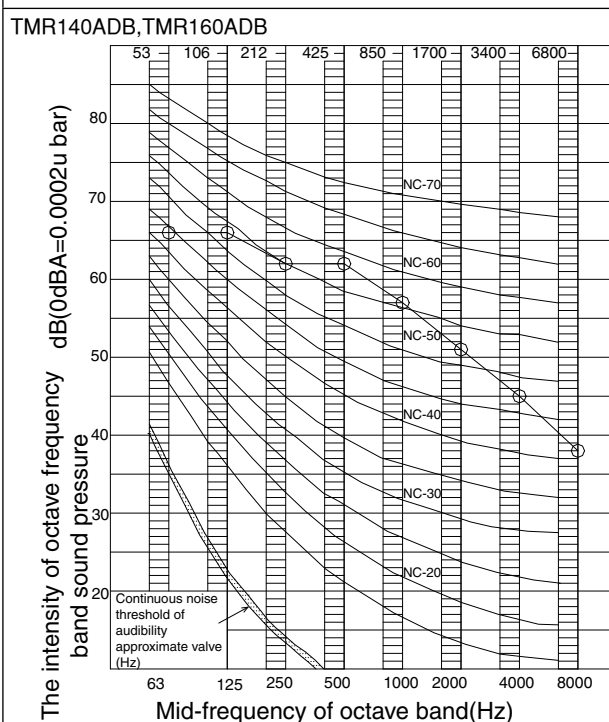
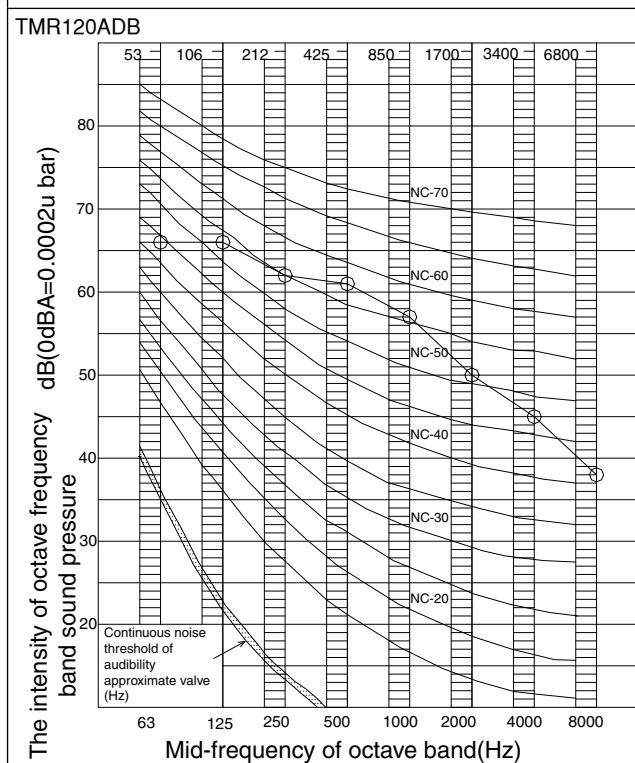
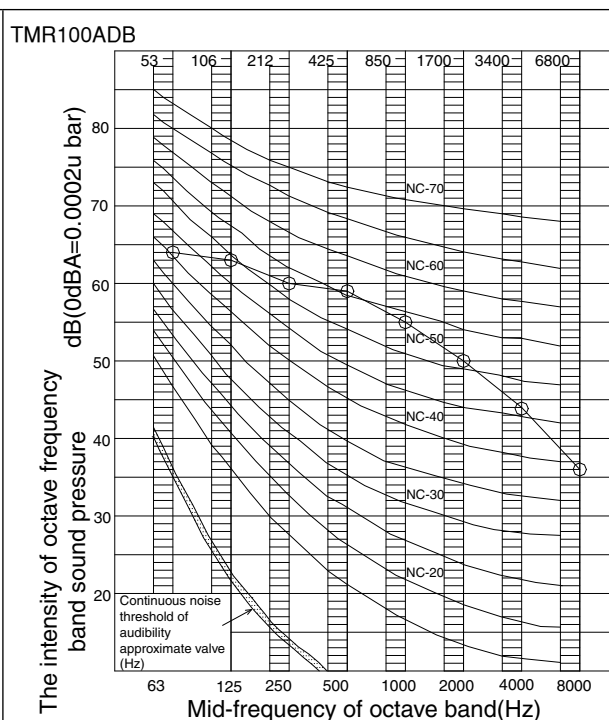
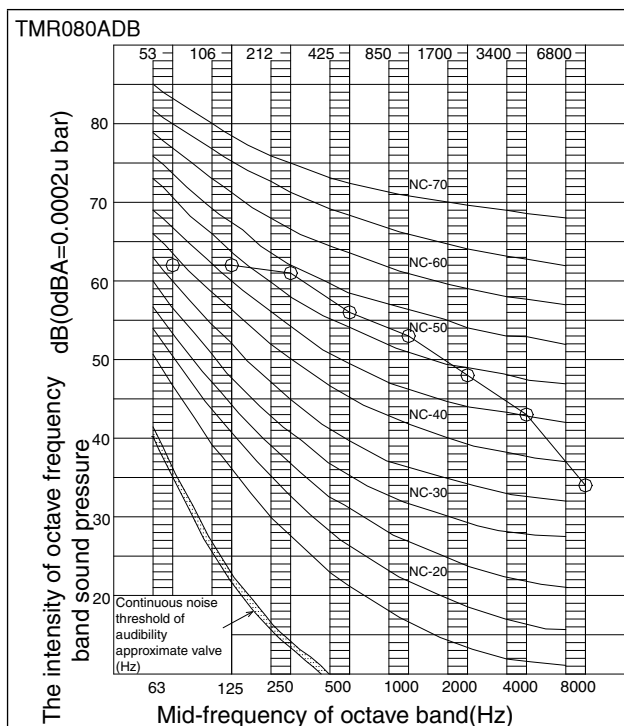
## ■ Example for wiring connection

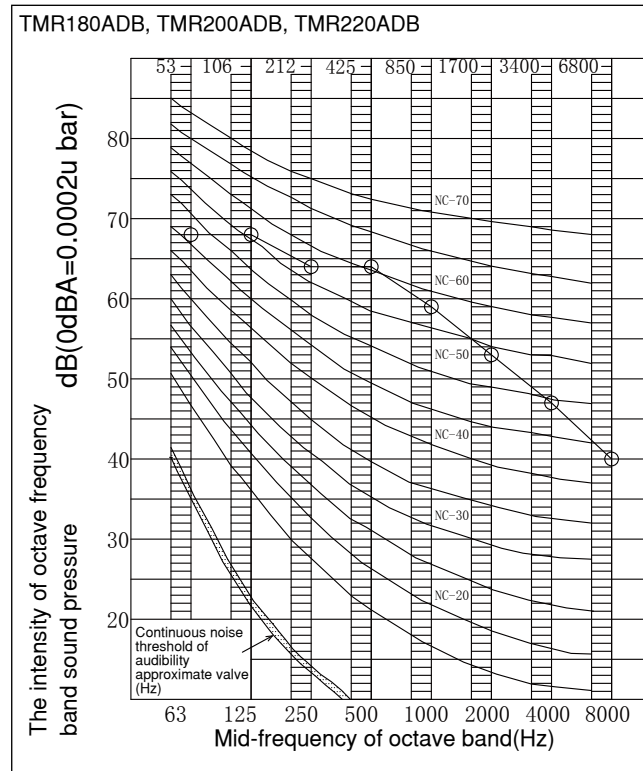
Power supply 380V 3N~ 50Hz



## 10 Sound Data

### 10-1. Sound pressure spectrum





**TMR240ADB-TMR880ADB**  
 Sound power and sound pressure (cooling)

Model	Sound power (dBA)	Sound pressure (dBA)
TMR240ADB	83	62
TMR260ADB	85	63
TMR280ADB	85	65
TMR300ADB	85	65
TMR320ADB	85	65
TMR340ADB	85	65
TMR360ADB	85	65
TMR380ADB	85	65
TMR400ADB	85	66
TMR420ADB	85	66
TMR440ADB	87	67
TMR460ADB	87	67
TMR480ADB	87	67
TMR500ADB	87	67
TMR520ADB	87	67
TMR540ADB	87	67
TMR560ADB	88	68
TMR580ADB	88	68
TMR600ADB	88	68
TMR620ADB	88	68
TMR640ADB	88	68
TMR660ADB	88	68
TMR680ADB	88	68
TMR700ADB	88	68
TMR720ADB	88	68
TMR740ADB	88	68
TMR760ADB	88	68
TMR780ADB	88	68
TMR800ADB	88	68
TMR820ADB	88	68
TMR840ADB	88	68
TMR860ADB	88	68
TMR880ADB	88	68

 Outdoor  
unit

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Connection

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Data

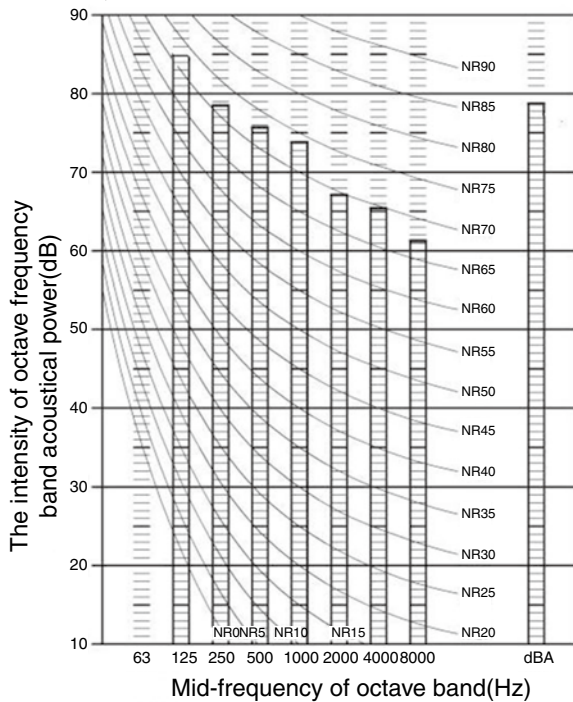
Installation

 Operation  
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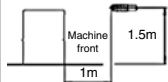


## 10-2. Sound power spectrum

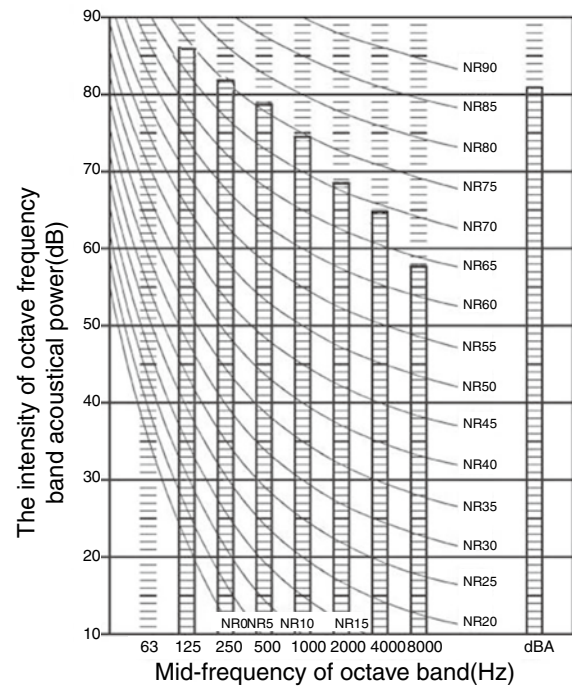
TMR080ADB, TMR100ADB



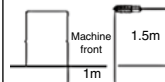
Description:1. Measuring position



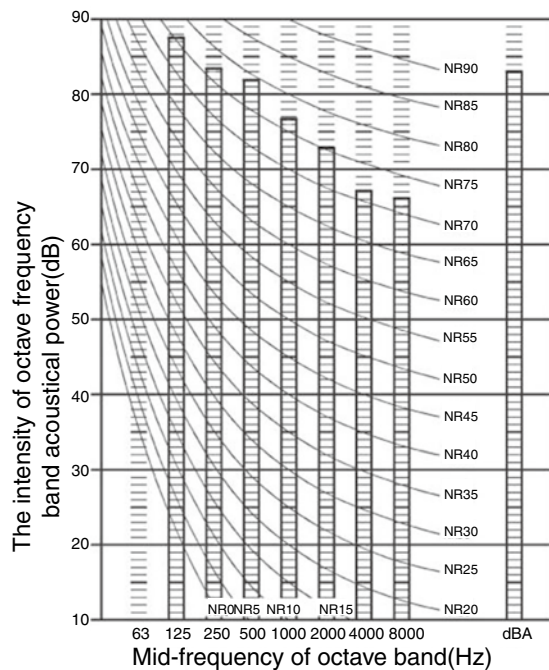
TMR100ADB



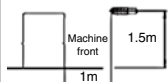
Description:1. Measuring position



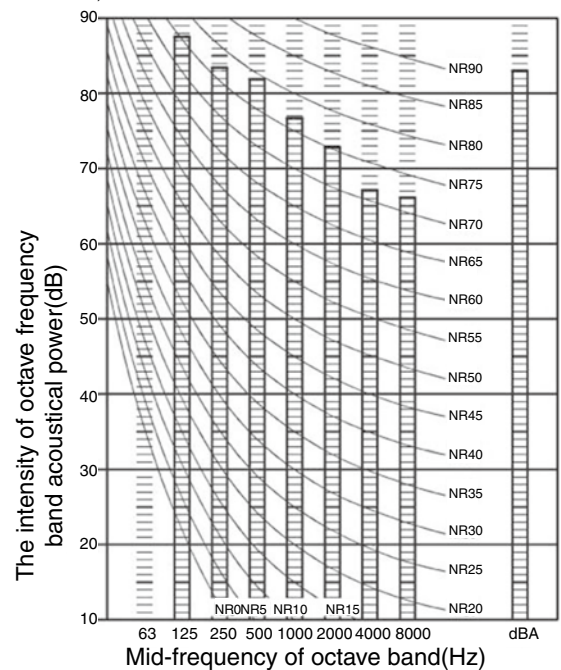
TMR 120ADB



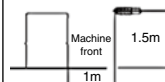
Description:1. Measuring position



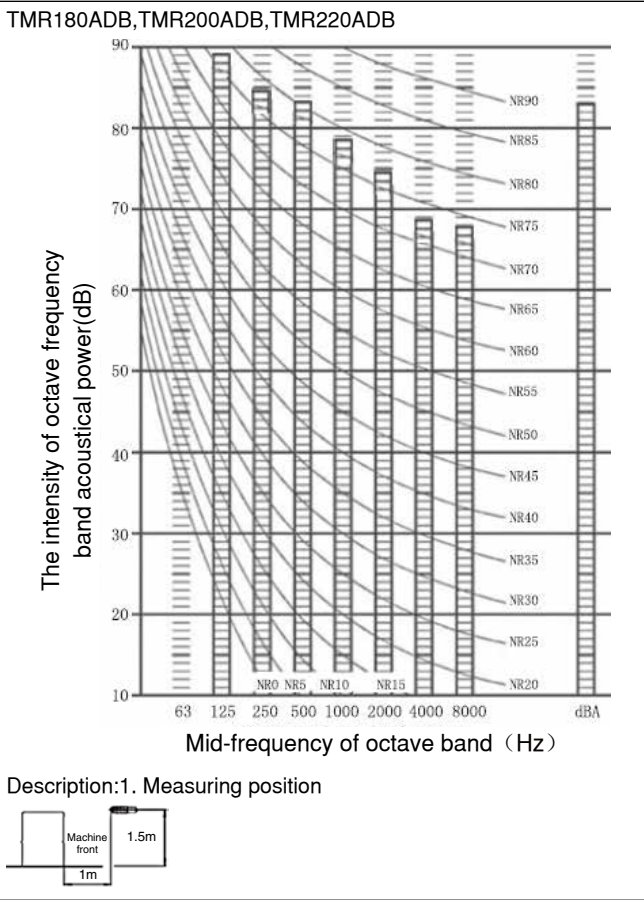
TMR140ADB, TMR160ADB



Description:1. Measuring position



Outdoor unit
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Dimension Drawing
Center of Gravity
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## 11 Installation

### 11-1. Service space

- ① When installation, a maintenance space as shown in Fig. 11.1 shall be right, the power supply device shall be installed at the side of the outdoor unit as per the method shown in the installation manual for the power supply unit.
- ② Make sure there is necessary space for installation and maintenance, and modules in a system must be arranged at the same height, see Fig. 11.2.
- ③ When outdoor units are higher than surrounding barriers and they will be arranged in a row, please see Fig. 11.3.
- ④ When outdoor units are higher than surrounding barriers and they will be arranged in 2 rows, please see Fig. 11.4.
- ⑤ When outdoor units are higher than surrounding barriers and they will be arranged in more than 2 rows, please see Fig. 11.5.
- ⑥ When outdoor units are lower than surrounding barriers, please see Fig. 11.6; the arrangement is similar with the situation when outdoor units are higher than surrounding barriers, but to prevent the thermal exchange effect is influenced by outdoor hot air, a wind scooper shall be equipped to radiating cover of the outdoor unit, as shown in Fig. 11.6. The height of wind scooper is H-h, and the scooper shall be made by the user in the field.
- ⑦ When there is any barrier above the outdoor unit, please see Fig. 11.7.

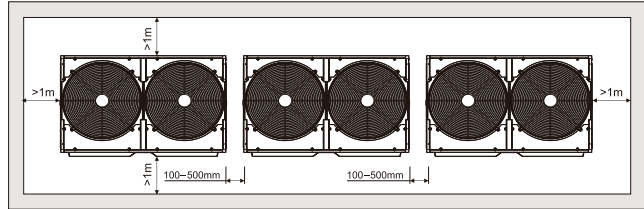


Fig.11.1

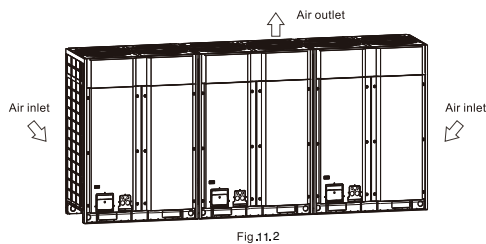


Fig.11.2

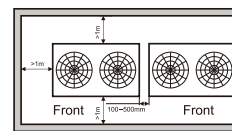


Fig.11.3

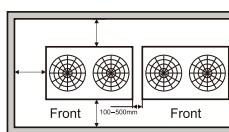
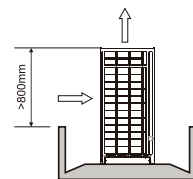


Fig.11.6

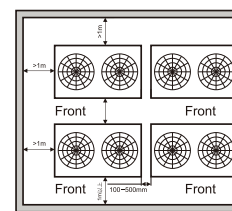
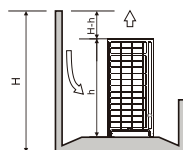


Fig.11.4

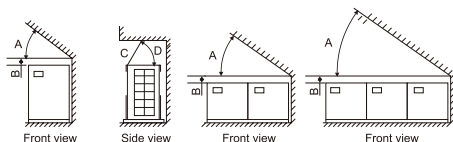
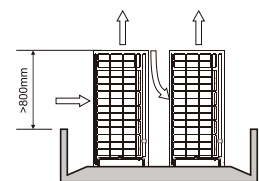


Fig.11.7

A	>45°
B	>300mm
C	>1000mm
D	Wind scooper

Note: If there is material stacked around the outdoor unit, the stack height (H-h) must be 800mm below the top of the outdoor unit. If the height is lower than the specified size, a mechanical ventilating device must be attached.

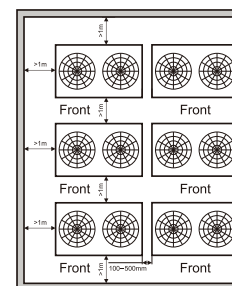
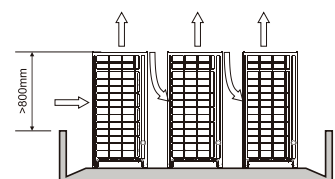


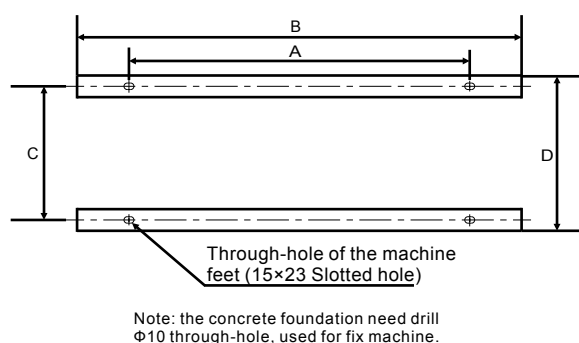
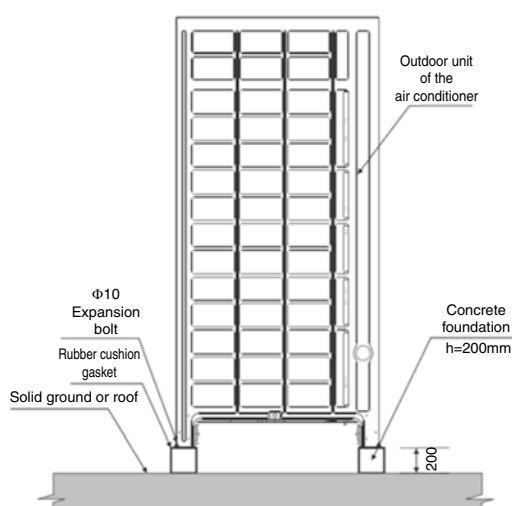
Fig.11.5



## 11-2. Fixation and foundation of units

Key points for foundation fabrication:

- ① The master unit foundation should be set on a solid concrete cemented ground. The concrete foundation is commonly fabricated as shown in below left figure or on site after measurements.
  - ② The foundation should be kept completely level, so that each point could contact evenly.
  - ③ The foundation should be so constructed that it could directly support the vertical flanges of the front and rear baseplates attached to the chassis, because the vertical flanges of the front and rear baseplates support the actual weight of the air-conditioner.
  - ④ The foundation does not need a gravel layer when built on a roof surface, But such concrete surface must be made coarse. Standard cement composition: cement 1/sand 2/stone 4; add  $\Phi 10$  reinforcement steel bars, level the surface with cement mortar, and chamfer the foundation edge.
  - ⑤ The foundation around should be provided with a drainage ditch to drain the water around the equipment.
  - ⑥ Please check the roof tolerance to ensure its load capacity.
- If piping is made from the bottom, the foundation height should be kept more than 200mm.



The installation place of foundation bolt is as the right figure above. The specific sizes are as list below:

	TMR080ADB TMR100ADB	TMR120ADB TMR140ADB TMR160ADB	TMR180ADB TMR200ADB TMR220ADB
A	700mm	998mm	978mm
B	1012mm	1302mm	1391mm
C	704mm	704mm	704mm
D	818mm	818mm	818mm

## 11-3. Fixation and foundation of units

### ■ Allowed length and dispersion of refrigerant tube

			Allowable value		Piping parts (as shown in Figure 11.8)
Piping length	Total piping length (actual length)		≤ 30 HP	350m	L1+L2+L3+L4+L5+L6+L7+L8+L9 +a+b+c+d+e+f+g+h+i+j
			> 30 HP	500m	
	Farthest piping length (L)	Actual length	175m		L1+L5+L8+L9+j
		Equivalent length	200m		
	Equivalent length to the farthest piping of the first branch pipe (L)			65m	
Height difference	Height difference between the indoor and outdoor units (H)	Outdoor upper	50m		-----
		Outdoor lower	70m		-----
	Height difference between the indoor and indoor units (H)		15m		-----

Note: The converted length of the branch pipes should be the length of the equivalent piping 0.5mm

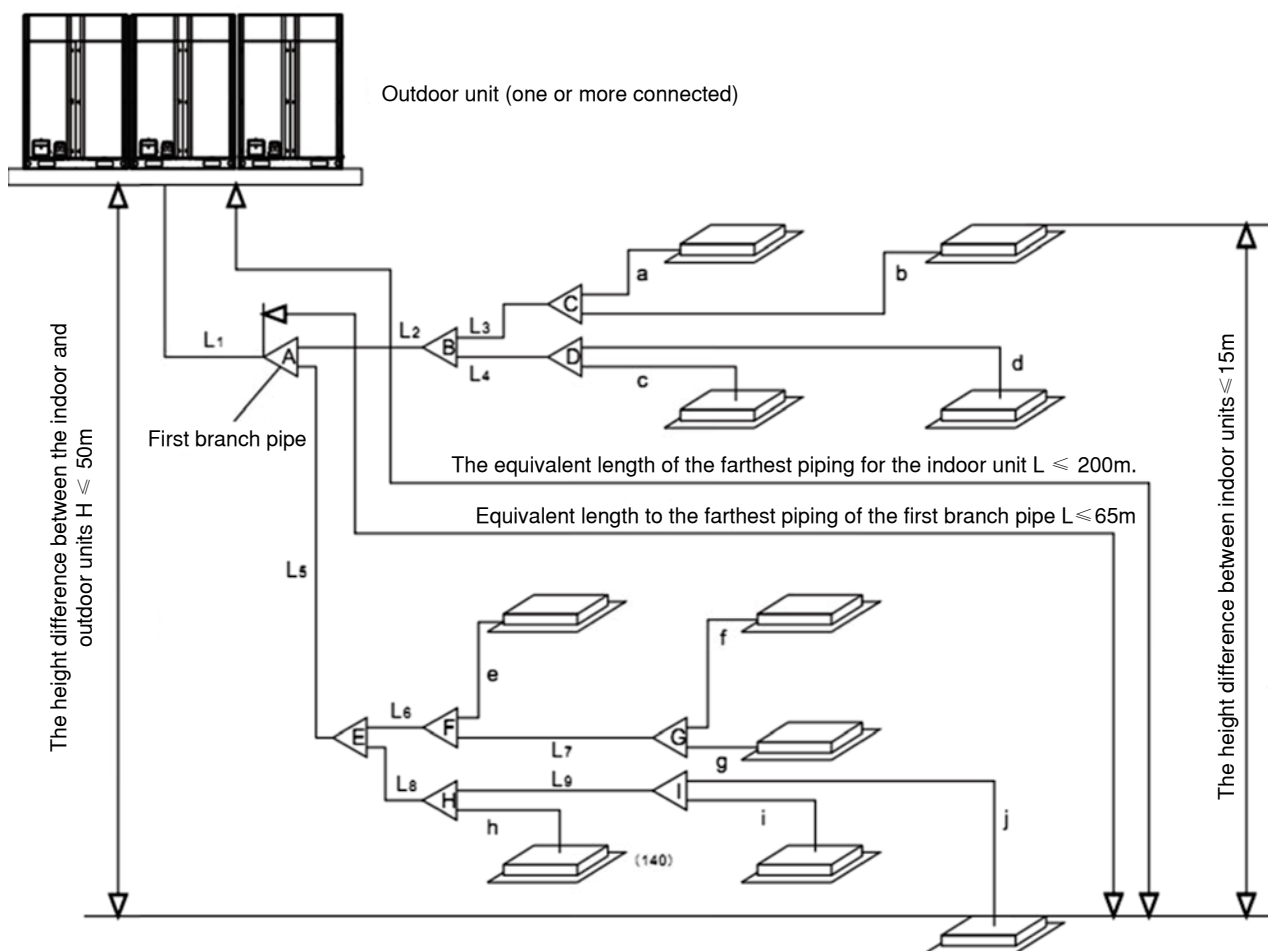


Figure 11.8



## ■ Piping classification

Table 11.1

Piping name	Location for piping connection	Code (as shown in figure 11.9)
Main pipe	Pipe from the outdoor unit to the first indoor branch	L1
Main piping for indoor unit	Piping not directly connected with the indoor unit behind the first branch pipe at the indoor side	L2-L9
Branch piping for indoor unit	Piping directly connected with the indoor unit behind the branch pipe	a, b, c, d, e, f, g, h, i, j
Branch pipe components of the indoor unit	Pipening components for connecting the main pipe, main branch piping and branch piping	A, B, C, D, E, F, G, H, I, J
Branch pipe components of the outdoor unit	Piping components connected with the outdoor unit connecting pipes and main pipes	L, M
Connecting pipes between outdoor units	Piping to connect the outdoor unit and the outdoor unit branch pipe components	g1, g2, g3, G1

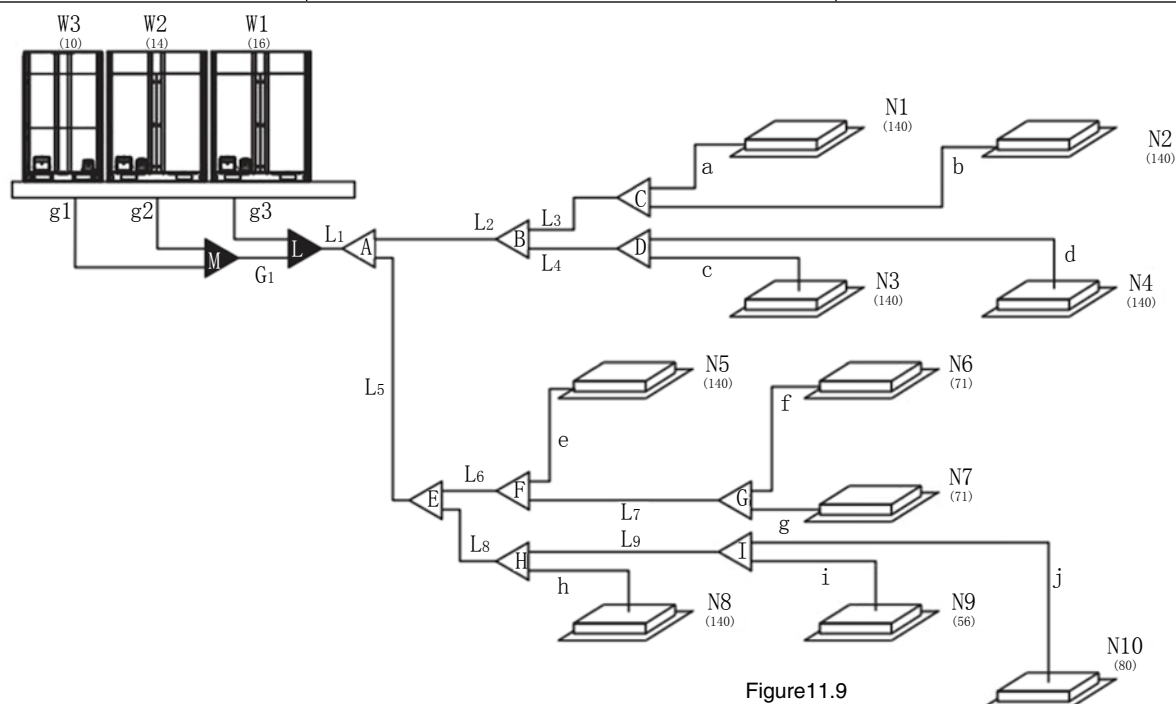


Figure 11.9

## ■ Main tube diameter confirmation of indoor unit

Table 11.2 for comparison of R410A indoor unit main piping (L2-L9) diameters.

Example 1: When L2 in above figure has the capacity of its downstream indoor unit of  $140 \times 4 = 560$ , then check the gas / liquid pipe of L2 as follows:  $\Phi 31.8 / \Phi 15.88$ .

Comparison of R410A Indoor Unit Connecting Piping Diameters

Table 11.2

Capacity of downstream units( $\times 100W$ )	Tube diameter of indoor unit		Applicable manifold
	Gas tube	Liquid tube	
$A < 65$	$\Phi 12.7$	$\Phi 9.52$	TRJ-ID01D
$65 \leq A < 90$	$\Phi 15.88$	$\Phi 9.52$	TRJ-ID01D
$90 \leq A < 170$	$\Phi 19.05$	$\Phi 9.52$	TRJ-ID01D
$170 \leq A < 280$	$\Phi 22.2$	$\Phi 12.7$	TRJ-ID02D
$280 \leq A < 335$	$\Phi 25.4$	$\Phi 12.7$	TRJ-ID02D
$335 \leq A < 400$	$\Phi 28.6$	$\Phi 12.7$	TRJ-ID03D
$400 \leq A < 532$	$\Phi 28.6$	$\Phi 15.88$	TRJ-ID03D
$532 \leq A < 680$	$\Phi 31.8$	$\Phi 15.88$	TRJ-ID03D
$680 \leq A < 960$	$\Phi 34.9$	$\Phi 19.05$	TRJ-ID04D
$960 \leq A < 1350$	$\Phi 38.1$	$\Phi 19.05$	TRJ-ID04D
$1350 \leq A < 1800$	$\Phi 41.3$	$\Phi 22.2$	TRJ-ID05D
$A \geq 1800$	$\Phi 44.5$	$\Phi 25.4$	TRJ-ID05D

- Determine the piping (main pipe L1) between the outdoor unit and the first branch pipe of the indoor unit.  
Comparison of the diameters for piping (main pipe) from the outdoor unit to the first branch pipe of the indoor unit

Table 11.3

Capacity of outdoor unit	Main tube diameter if the equivalent length of all tubes is less than 90m			Main tube diameter if the equivalent length of all tubes is not less than 90m		
	Gas side (mm)	Liquid side (mm)	Indoor 1st manifold	Gas side (mm)	Liquid side (mm)	Indoor 1st manifold
8HP	Φ22.2	Φ9.52	TRJ-ID02D	Φ25.4	Φ12.7	TRJ-ID02D
10HP	Φ25.4	Φ12.7	TRJ-ID02D	Φ25.4	Φ12.7	TRJ-ID02D
12HP	Φ25.4	Φ12.7	TRJ-ID02D	Φ28.6	Φ15.88	TRJ-ID03D
14HP-16HP	Φ28.6	Φ15.88	TRJ-ID03D	Φ31.8	Φ15.88	TRJ-ID03D
18HP-22HP	Φ31.8	Φ15.88	TRJ-ID03D	Φ31.8	Φ19.05	TRJ-ID03D
24HP	Φ31.8	Φ15.88	TRJ-ID03D	Φ34.9	Φ19.05	TRJ-ID04D
26HP-32HP	Φ34.9	Φ19.05	TRJ-ID04D	Φ38.1	Φ22.2	TRJ-ID04D
34HP-48HP	Φ38.1	Φ19.05	TRJ-ID04D	Φ41.3	Φ22.2	TRJ-ID05D
50HP-64HP	Φ44.5	Φ22.2	TRJ-ID05D	Φ44.5	Φ25.4	TRJ-ID05D
66HP-72HP	Φ44.5	Φ25.4	TRJ-ID05D	Φ54.0	Φ25.4	TRJ-ID05D
74HP-88HP	Φ54.0	Φ25.4	TRJ-ID05D	Φ54.0	Φ25.4	TRJ-ID05D

Please select the main pipe diameter in accordance with the table above, if the indoor unit main piping diameter is bigger than that of the main pipe due to out-of-standard configuration of the indoor unit, then select the main pipe diameter in accordance with the indoor unit main piping size subject to whichever bigger.

For example: If three outdoor units (16+16+14) are connected in parallel (with the total capacity of 46HP), the total capacity of all indoor units connected should be 1360, and if all piping equivalent length  $\geq 90\text{m}$ , in accordance with the total capacity 46HP of the outdoor units, check Table 11.3 to get the diameter of the main pipes as follows:  $\Phi 41.3 / \Phi 22.2$ ; in accordance with the total capacity 1360 of all indoor units, check Table 11.2 to get the diameters of the main pipe as follows:  $\Phi 44.5 / \Phi 22.2$ ; in accordance with principle of whichever bigger, the main pipe diameters can be ultimately determined as follows:  $\Phi 44.5 / \Phi 22.2$ .

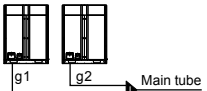
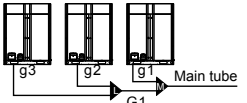
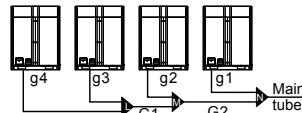
Outdoor unit interface piping diameters:

Table 11.4

Type	Tube side	Diameter of interface on outdoor unit (mm)	
		Gas side	Liquid side
TMR080ADB		Φ25.4	Φ12.7
TMR100ADB			
TMR120ADB		Φ28.6	Φ15.88
TMR140ADB		Φ31.8	Φ15.88
TMR160ADB			
TMR180ADB			
TMR200ADB			
TMR220ADB			

■ How to select the outdoor unit parallel piping components and pipe diameters  
 Please select outdoor unit multi-joint tubing elements according to the list below.

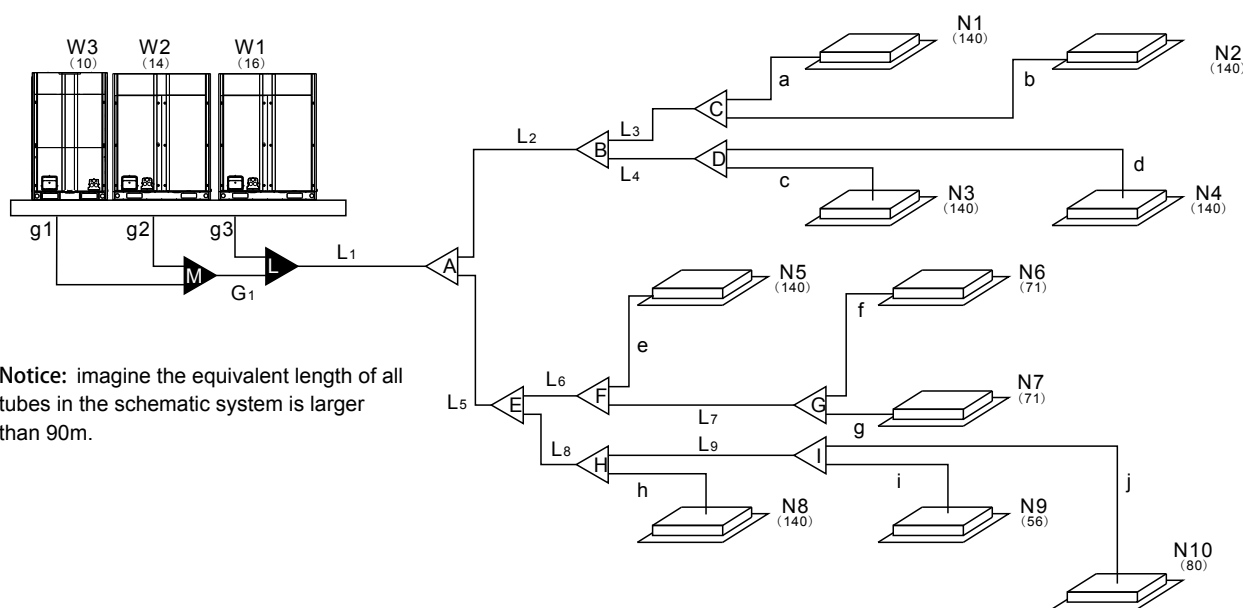
Table 11.5

No. of outdoor units	Legend	Outdoor tube diameter (mm)	Parallel manifold assembly	Main tube
2 sets		g1, g2: 8, 10HP: $\Phi 25.4/\Phi 12.7$ ; 12HP: $\Phi 28.6/\Phi 15.88$ ; 14~22HP: $\Phi 31.8/\Phi 15.88$	TRJ-OD2D	Refer to Fig. 6.4
3 sets		g1, g2, g3: 8, 10HP: $\Phi 25.4/\Phi 12.7$ ; 12HP: $\Phi 28.6/\Phi 15.88$ ; 14HP~22HP: $\Phi 31.8/\Phi 15.88$ G1: $\Phi 38.1/\Phi 19.05$	TRJ-OD3D	
4 sets		g1, g2, g3, g4: 8, 10HP: $\Phi 25.4/\Phi 12.7$ ; 12HP: $\Phi 28.6/\Phi 15.88$ ; 14HP~22HP: $\Phi 31.8/\Phi 15.88$ G1: $\Phi 38.1/\Phi 19.05$ G2: $\Phi 41.3/\Phi 22.2$	TRJ-OD4D	

Note: The piping components in the table above are all special parts of TRANE's and shall be paid otherwise.

Example of the entire pipeline:

E.g.: A combination of three modules(16HP+14HP+10HP) is herein used for explaining the selection of tubes.



Notice: imagine the equivalent length of all tubes in the schematic system is larger than 90m.

## 1. Indoor unit branch pipes

There are many indoor unit branch pipes (a~j), so please refer to below table for dimension options of the branch pipes.

Table 11.6

Capacity of indoor units A (×100W)	If the branch tube length ≤10m		If the branch tube length >10m	
	Gas side	Liquid	Gas side	Liquid
A ≤ 28	$\Phi 9.52$	$\Phi 6.35$	$\Phi 12.7$	$\Phi 9.52$
28 < A ≤ 56	$\Phi 12.7$	$\Phi 6.35$	$\Phi 15.88$	$\Phi 9.52$
56 < A ≤ 160	$\Phi 15.88$	$\Phi 9.52$	$\Phi 19.05$	$\Phi 12.7$
200 ≤ A ≤ 280	$\Phi 22.2$	$\Phi 12.7$	$\Phi 25.4$	$\Phi 15.88$
450 ≤ A ≤ 560	$\Phi 28.6$	$\Phi 15.88$	$\Phi 31.8$	$\Phi 19.05$

## 2. Inner main tube (refer to Tab. 11.2):

Note: The maximum length of branch tube is 20m

- The total capacity of downstream units N1 and N2 after the main tube L3 is  $140 \times 2 = 280$ , tube L3 is  $\Phi 25.4 / \Phi 12.7$ , and manifold C is TRJ-ID02D.
- The total capacity of downstream units N3 and N4 after the main tube L4 is  $140 \times 2 = 280$ , tube L3 is  $\Phi 25.4 / \Phi 12.7$ , and manifold D is TRJ-ID02D.
- The total capacity of downstream units N1~N2 after the main tube L2 is  $140 \times 4 = 560$ , tube L2 is  $\Phi 31.8 / \Phi 15.88$ , and manifold B is TRJ-ID03D.
- The total capacity of downstream units N6 and N7 after the main tube L7 is  $71 \times 2 = 142$ , tube L7 is  $\Phi 19.05 / \Phi 9.52$ , and manifold G is TRJ-ID01D.
- The total capacity of downstream units N5~N7 after the main tube L6 is  $140 + 71 \times 2 = 282$ , tube L6 is  $\Phi 25.4 / \Phi 12.7$ , and manifold F is TRJ-ID02D.
- The total capacity of downstream units N9 and N10 after the main tube L9 is  $56 + 80 = 136$ , tube L9 is  $\Phi 19.05 / \Phi 9.52$ , and manifold I is TRJ-ID01D. TRJ-ID02B.
- The total capacity of downstream units N8~N10 after the main tube L8 is  $140 + 56 + 80 = 276$ , tube L8 is  $\Phi 22.2 / \Phi 12.7$ , and manifold H is TRJ-ID02D.
- The total capacity of downstream units N5~N10 after the main tube L5 is  $140 \times 2 + 56 + 71 \times 2 + 80 = 558$ , tube L5 is  $\Phi 31.8 / \Phi 15.88$ , and manifold E is TRJ-ID03D.
- The total capacity of downstream units N1~N10 after the manifold A is  $140 \times 6 + 56 + 71 \times 2 + 80 = 1118$ , and manifold A is TRJ-ID04D.

## 3. Main tube (refer to Tab. 11.2 and 11.3)

The total capacity of upstream outdoor units before the main tube L1 in Fig. 6.3 is  $12 + 12 + 16 = 40\text{HP}$ , referring to Tab. 6.4 it is known the gas tube/ liquid tube =  $\Phi 41.3 / \Phi 22.2$  while the total capacity of downstream units is  $140 \times 6 + 56 + 71 \times 2 + 80 = 1118$ , referring to Tab. 6.3 it is known the gas tube/ liquid tube =  $\Phi 38.1 / \Phi 19.05$ , so according to the principle for selecting the larger one, the main tube specification is finally fixed in  $\Phi 41.3 / \Phi 22.2$ .

## 4. Parallel connection of outdoor modules

- The power of the outdoor unit corresponding to tube g1 is 10HP, for parallel connecting and selecting the tube as per the own interface, the tube diameter is  $\Phi 25.4 / \Phi 12.7$ ;  
The power of the outdoor unit corresponding to tube g2 is 14HP, for parallel connecting and selecting the tube as per the own interface, the tube diameter is  $\Phi 31.8 / \Phi 15.88$ ;  
The power of the outdoor unit corresponding to tube g3 is 16HP, for parallel connecting and selecting the tube as per the own interface, the tube diameter is  $\Phi 31.8 / \Phi 15.88$ ;
- For the parallel connection of two upstream outdoor units before tube G1, refer to Tab. 4.6 rules of tube selection for 3 parallel outdoor units, the tube diameter is  $\Phi 38.1 / \Phi 19.05$
- For the parallel connection of 3 outdoor units and referring to Tab. 4.6 tube assemblies (L+M) for connection of outdoor units, the manifold is TRJ-OD3D.

### ■ Removal of waste and water in the pipe

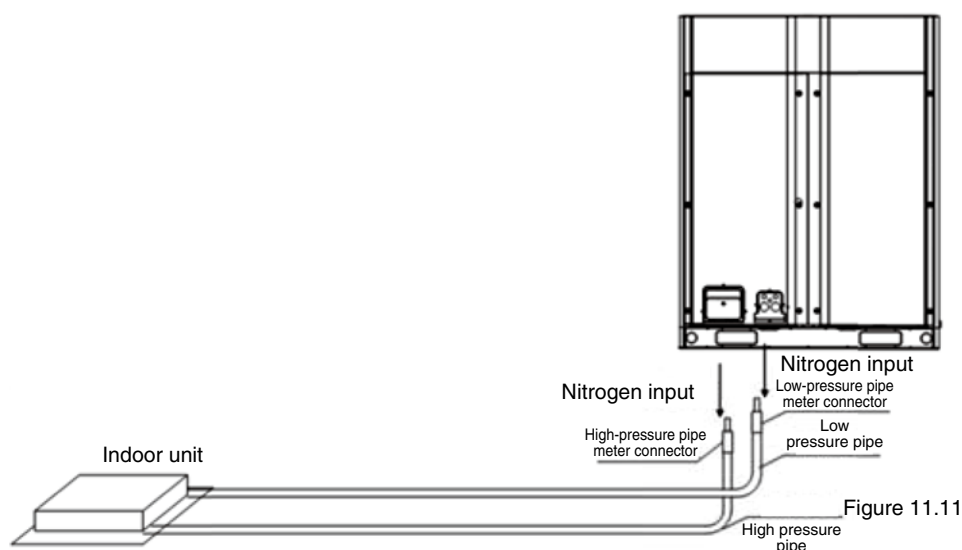
When installing refrigerant pipe, waste and foreign matter may enter the pipe. Before connect the pipe to outdoor unit, clear the waste. Clean the pipe with high pressure nitrogen. Do not use refrigerant of outdoor unit.

### ■ Air tightness test

After the indoor side pipe has been reliably connected, weld the high-pressure side piping to the meter connector as shown in the figure below;

Weld the low-pressure side piping to the meter connector as shown in the figure below;

Fill from the high and low-pressure pipe meter connectors at the same time with nitrogen for an air tightness test;



#### Notice:

The air tightness test uses pressurized nitrogen (4.0MPa, namely 40kgf/cm<sup>2</sup>); Nitrogen can never be filled after the low-pressure ball valve is well welded to the low-pressure side piping, or after the high-pressure valve is well connected with the high-pressure liquid pipe to prevent nitrogen entering the outdoor unit system due to leakage through valves in the process of pressure maintaining; The air tightness test shall never use oxygen, combustible gas or toxic gas.

In time of air tightness test, nitrogen shall be filled from the high and low-pressure sides at the same time to prevent the valve element of the electronic expansion valve from damages due to excessively high pressure at one side.

#### Warning:

The air tightness test uses pressurized nitrogen (4.0MPa, 40kgf/cm<sup>2</sup>); Absolutely never pressurize the valve directly (see Figure 11.11). The air tightness test shall never use oxygen, combustible gas or toxic gas.

In time of welding, use a damp cloth to wrap the low-pressure valve for protection.

Use a vacuum pump for vacuumization

The vacuum degree of the vacuum pump is -0.1MPa below and the air flow rate is 40L/min above.

Vacuumization for the outdoor unit is unnecessary, and it is forbidden to open the check valves at the gas side and liquid side of the outdoor unit. Confirm that -0.1Mpa can be achieved after the vacuum pump has been working for more than 2 hours, and if -0.1MPa or lower still not after above 3 hours; it indicates that there is water invasion or air leakage, and that further checks shall be made.

#### Notice:

Tools and measuring apparatus for different refrigerants or directly contacting the refrigerant cannot be mixed for using. Refrigerant gas cannot be used for air impelling.

If the vacuum degree cannot reach -0.1MPa, please check if there is some leakage. Please confirm whether there is any leakage once again. If not, please make the vacuum further run for 1~2h.



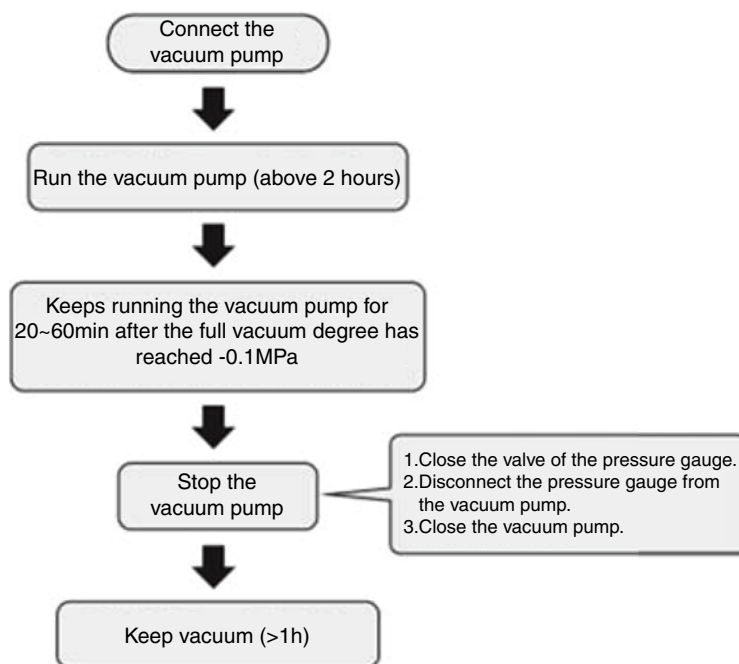


Figure 11.12

#### ■ Refrigerant refilling volume:

The volume of refrigerant to be refilled (R410A) is calculated as per the diameter and length of tube at the liquid side of the outdoor and indoor units.

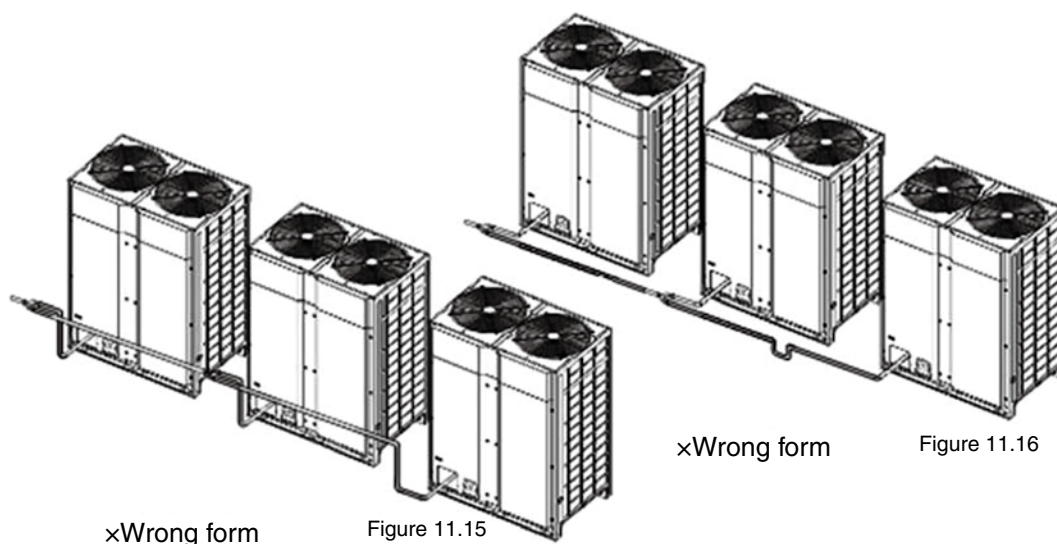
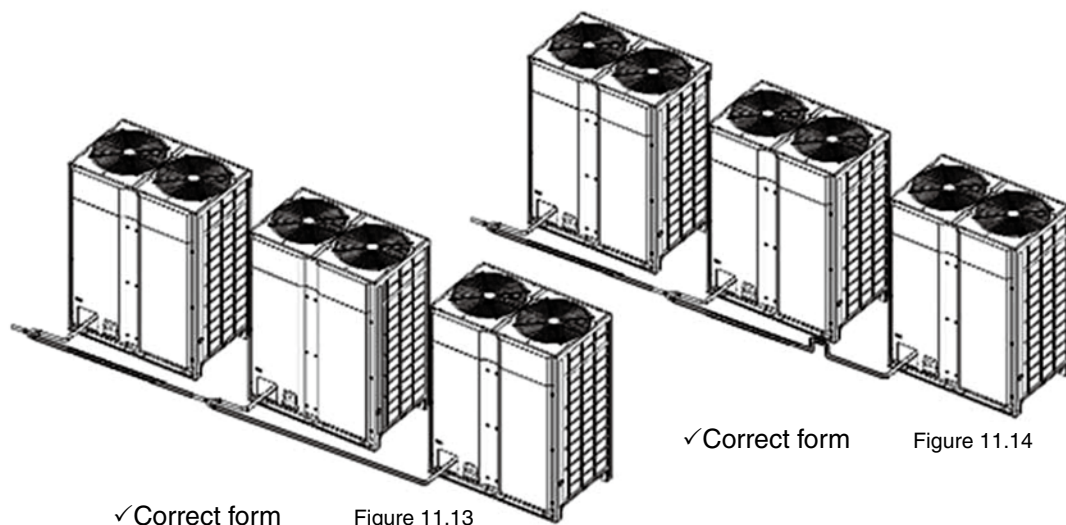
Table. 11.7

Diameters of the liquid side piping	Refrigerant to be refilled for every 1m of tube length (unit: kg)
Φ6.35	0.023
Φ9.52	0.060
Φ12.7	0.120
Φ15.88	0.180
Φ19.05	0.270
Φ22.2	0.380
Φ25.4	0.520
Φ28.6	0.680

Note: The R410A refrigerant shall be quantitatively filled in its liquid state by means of an electronic scale, with the refrigerant tank inverted.

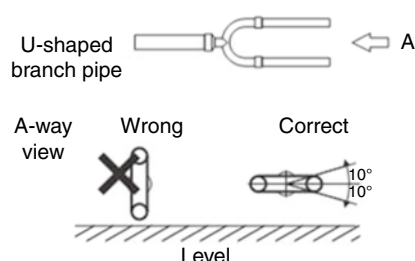
#### ■ Key points for indoor and outdoor unit pipe installation

The pipes connected to the outdoor units must be placed horizontally (Figure 11.13 and Figure 11.14), and the middle connecting section is not allowed to have any concave, as shown in Figure 11.9. All pipes connected to outdoor units shall be no higher than any pipe outlet of the air conditioner, as shown in Figure 11.15.

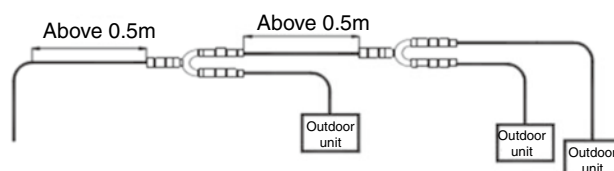


The outdoor unit branch pipe should be installed horizontally or vertically as much as possible, whose error angle should be no more than  $10^\circ$ . Notice the distance of horizontal straight tubes. If the installation is wrong, there may be fault.

### 1. Notice to place horizontally.



### 2. Notice the distance of horizontal straight tubes.



- A. The distance of horizontal straight tubes among adjacent branch pipes should be no less than 0.5m.  
B. The distance of horizontal straight tubes of branch pipes back connect indoor unit should be no less than 0.5m.

Figure 11.17

The indoor unit branch pipe should be installed horizontally or vertically as much as possible, whose error angle should be no more than  $10^\circ$ . Notice the distance of horizontal straight tubes. If the installation is wrong, there may be fault.

## 1. Notice to place horizontally and vertically.

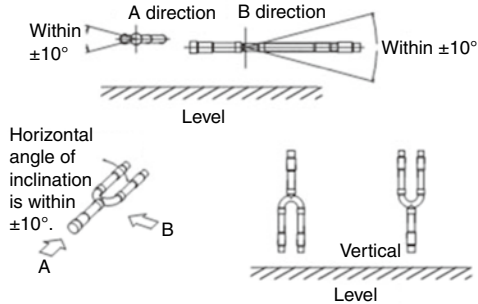
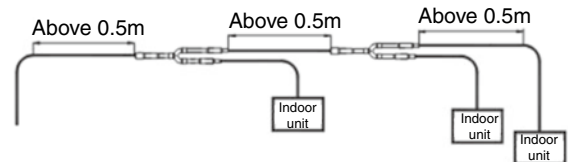


Figure 11.18

## 2. Notice the distance of horizontal straight tubes.



- A. The distance of horizontal straight tubes between the turning of copper pipe and adjacent branch pipes should be no less than 0.5m.
- B. The distance of horizontal straight tubes between two adjacent branch pipes should be no less than 0.5m.
- C. The distance of horizontal straight tubes of branch pipes back connect indoor unit should be no less than 0.5m.

Figure 11.19

In order to protect the outdoor unit against oil, please install the branch pipe assembly correctly.

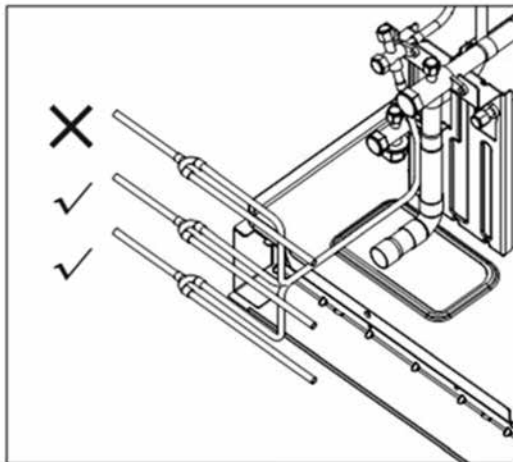


Figure 11.20

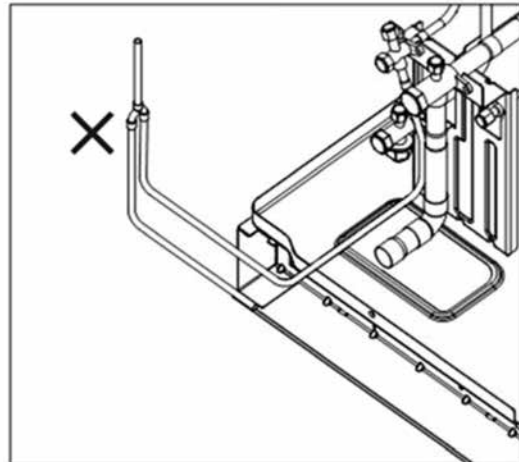
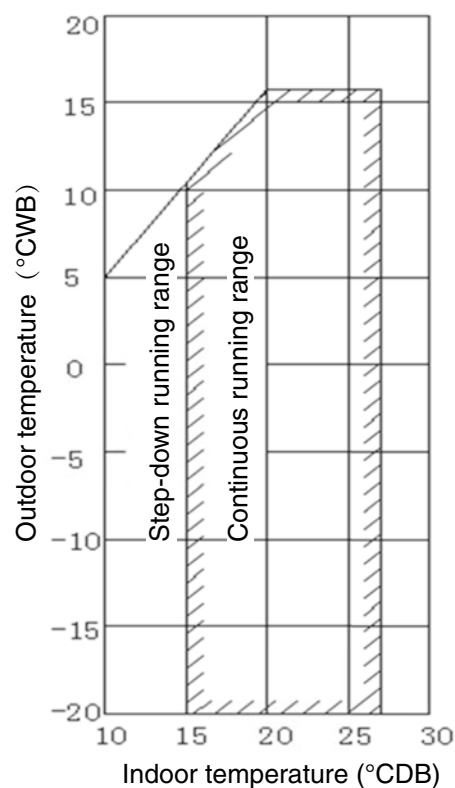
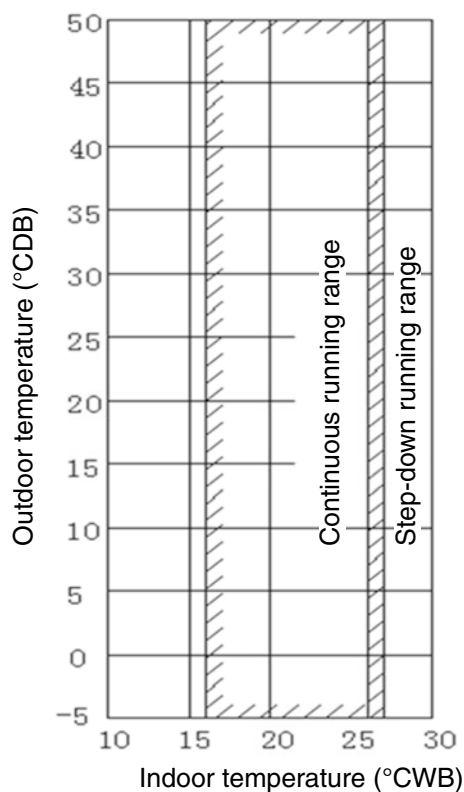


Figure 11.21

## 12 Operation Range

TMR080ADB-TMR880ADB:



Note:

Operation condition:

Cooling operation	Outdoor air temperature	-5 °C~50 °C
	Room temperature	16 °C~32 °C
	Room relative humidity	Below 80 percent, operating the air conditioner for a long time when humidity is more than 80 percent, there will be condensation water falling or vaporific air blowing out from blow-off nozzle indoor.
Heating operation	Outdoor air temperature	-20 °C~30 °C
	Room temperature	Below 28 °C

# Indoor unit content

1. 1-way Cassette unit .....	380
2. 2-way Cassette Unit .....	392
3. 4-way Cassette Unit .....	404
4. Slim Duct Unit .....	432
5. Standard ESP Duct Unit .....	458
6. Medium ESP Duct Unit .....	476
7. High ESP Duct Unit.....	514
8. Wall-mounted Unit .....	544
9. Floor Ceiling Unit .....	556
10. All Fresh Air Unit.....	570



# Indoor Unit Nomenclature

**Model**      **M** **W** **D** **0** **2** **2** **A** **M** **L** **N** **A** **A** **N** **L** **A** **C**  
**1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16**

Digit 1      M=Multi Combined Indoor Unit

Digit 2      W=Heat Pump Model

Digit 3      A=1-Way Casette Type

B=2-Way Casette Type

C=4-Way Casette Type

D=Ducted type

W=Wall-Mounted

X=Floor-Celling type

F=Fresh Air unit

Digit 4,5,6      IDU Cooling Capacity

022=2.2kW      080=8.0kW

025=2.5kW      090=9.0kW

028=2.8kW      100=10.0kW

032=3.2kW      112=11.2kW

036=3.6kW      120=12kW

040=4.0kW      125=12.5kW

045=4.5kW      140=14.0kW

050=5.0kW      150=15.0kW

051=5.1kW      224=22.4kw

056=5.6kW      250=25kw

063=6.3kW      280=28kw

071=7.1kW      450=45kw

560=56kw

Digit 7      Design Sequence

A=First Time      AC

B=Second Time      DC

Digit 8      Power Supply

M=220V/1Ph/50Hz

D=380V/3Ph/50Hz

Digit 9      Unit static pressure      only for ducted type

N=None

L=Low

S=Stantard

M=Medium

H=High

Digit 10      Auxiliary electric heating

N=None

Digit 11      Controller Optional

A=Wired control

C=Remote Control

D=Wired control cooling only

E=Remote control cooling only

N=Separate with indoor

Digit 12      Maintainance Sequence

A=First Time

B=Second Time

C=Third time

## Below is Optional Item Code

Digit 13      Return Air Box

N=None

A=For Rear Air Return Plenum, no filter

C=For Rear Air Return Plenum, with filter

Digit 14      Piping direction

N=None

L=Left

R=Right

Digit 15      condensered water pump

N=None

A=available

Digit 16      Sales Area

A=For China

B=For Export

C=For AP&India

Indoor  
unit

1-way Casette  
Unit

2-way Casette  
Unit

4-way Casette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

All Fresh Air  
Unit

## 1-way cassette Unit



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# 1 Technical Specifications

Indoor units Model					MWA022AMNNAA	MWA028AMNNAA	MWA036AMNNAA	MWA045AMNNAA	MWA056AMNNAA	MWA071AMNNAA
Specifications					MWA022AMNNBA	MWA028AMNNBA	MWA036AMNNBA	MWA045AMNNBA	MWA056AMNNBA	MWA071AMNNBA
					MWA022AMNNCA	MWA028AMNNCA	MWA036AMNNCA	MWA045AMNNCA	MWA056AMNNCA	MWA071AMNNCA
Cooling capacity			kW		2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity			kW		2.5	3.2	4.0	5.0	6.3	8.0
Rated input power		Cooling	kW		40	40	40	50	70	90
		Heating	kW		40	40	40	50	70	90
Appearance	Color				Ivory					
Size	Unit	LengthxWidthxHeight	mm		870×460×250			870×460×290	1304×572×290	
Decoration Panel dimension		LengthxWidthxHeight	mm		1070×520×50				1380×560×50	
Weight	Unit		kg		24(without panel)			26(without panel)	34(without panel)	
Heat exchanger	Fin type				Hydrophilic					
Fans	Type				Centrifugal fan					
	Quantity				1					
	Airflow	Cooling/Heating	High	m³/h	520			610	750	950
			Middle	m³/h	470			550	620	780
			Low	m³/h	400			500	500	600
Static pressure		Pa		0						
Motor	Quantity				1					
	Rotate speed	Cooling/Heating	High	rpm	820			850	750	950
			Middle	rpm	750			770	620	780
			Low	rpm	650			700	500	600
	Power (high speed)		w		40			50	70	90
	Drive mode				AC drive					
Noise	Cooling/Heating	High	dBA	36			41	41	45	
		Middle	dBA	34			38	38	41	
		Low	dBA	32			36	35	38	
Refrigerant	Type				R410a					
	Flow control				Electronic expansion valve					
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ9.52			Φ12.7	Φ12.7	Φ15.88	
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ6.35			Φ6.35	Φ6.35	Φ9.52	
	Drain pipe	Size (OD)		DN25						
		Drain-up height	mm	700						
Air Filer					ABS filter grille					
Remarks					1. This unit design and executive standard GB/T 18837-2015 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.					

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## 2 Electrical Data

Indoor unit model	Power supply					Running current	
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated current	Fusing current
MWA022AMNNAA MWA022AMNNBA MWA022AMNNCA	AC	50Hz	220V	-10%	+10%	0.2A	5A
MWA028AMNNAA MWA028AMNNBA MWA028AMNNCA						0.2A	5A
MWA036AMNNAA MWA036AMNNBA MWA036AMNNCA						0.2A	5A
MWA045AMNNAA MWA045AMNNBA MWA045AMNNCA						0.3A	5A
MWA056AMNNAA MWA056AMNNBA MWA056AMNNCA						0.3A	5A
MWA071AMNNAA MWA071AMNNBA MWA071AMNNCA						0.3A	5A

Remark:

1. Fusing current refers to the motherboard fusing current, excluding electric heating current.

## 3 Accessories Details

Name	Quantity
Accessory bag 1	
Remote control	1pc
Remote control battery	1pc
Certificate	1pc
Linear controller warning identification	1pc
Instructions	1pc
Accessory bag 2	
High-pressure single-joint thermal insulation pipe	1pc
Low-pressure single-joint thermal insulation pipe	1pc
ribbon	6pcs
Fork shaped pre-insulated terminal	3pcs
Round shaped pre-insulated terminal	6pcs
Other	

Note:

1. Warranty card is put in the accessory bag of outdoor unit.
2. Due to continuous product updates and progress, the actual accessories included may vary, so it is subject to the actual goods without further notice.

## 4 Capacity Tables

### 4-1. Cooling capacity tables

Indoor unit capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
22	10.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	3.0	1.7
	12.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.9	1.6
	14.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.9	1.6
	16.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.9	1.6
	18.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.9	1.6
	20.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.8	1.5
	21.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.8	1.5
	23.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.6	1.6	2.8	1.5
	25.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.6	1.6	2.7	1.5
	27.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.6	1.6	2.7	1.5
	29.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.5	1.5	2.6	1.5
	31.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.5	1.5	2.6	1.5
	33.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.5	1.5	2.5	1.5
	35.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.4	1.5	2.5	1.5
28	10.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.8	2.2
	12.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.7	2.1
	14.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.7	2.1
	16.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.6	2.1
	18.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.6	2.1
	20.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.5	2.1
	21.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.5	2.1
	23.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.1	3.5	2.1
	25.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.3	2.1	3.4	2.0
	27.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.3	2.1	3.4	2.0
	29.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.2	2.0	3.3	1.9
	31.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.2	2.0	3.3	1.9
	33.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.2	2.0	3.2	1.9
	35.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.0	3.1	2.0	3.2	1.9
36	10.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.8	2.7
	12.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.8	2.7
	14.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.7	2.6
	16.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.6	2.6
	18.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.6	2.6
	20.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.5	2.5
	21.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.5	2.5
	23.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.2	2.5	4.4	2.4
	25.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.2	2.5	4.4	2.4
	27.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.1	2.4	4.3	2.4
	29.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.1	2.4	4.3	2.4
	31.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.1	2.4	4.3	2.4
	33.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.1	2.4	4.3	2.3
	35.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.1	2.4	4.2	2.3
	37.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.5	4.0	2.3	4.2	2.2
	39.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.5	4.0	2.3	4.1	2.2

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit



## Capacity Tables

Indoor unit capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
45	10.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.4	6.0	3.5
	12.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.4	6.0	3.5
	14.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.4	5.9	3.4
	16.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.4	5.7	3.4
	18.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.4	5.8	3.4
	20.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.4	5.8	3.3
	21.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.4	5.7	3.3
	23.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.4	5.6	3.2
	25.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.3	3.2	5.5	3.2
	27.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.2	3.2	5.3	3.2
	29.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.2	3.2	5.3	3.2
	31.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.1	3.1	5.2	3.1
	33.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.0	3.1	5.2	3.0
	35.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	4.9	3.1	5.1	3.0
	37.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	4.9	3.1	5.0	3.0
	39.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.7	3.1	4.8	3.1	4.9	2.9
56	10.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.4	3.9
	12.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.3	3.8
	14.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.2	3.8
	16.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.1	3.7
	18.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.9	3.7
	20.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.8	3.6
	21.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.7	3.6
	23.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.7	3.5
	25.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.6	3.5
	27.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.5	3.8	6.5	3.5
	29.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.4	3.8	6.5	3.6
	31.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.3	3.7	6.3	3.4
	33.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.3	3.7	6.3	3.4
	35.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.1	3.6	6.1	3.4
	37.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.0	3.5	6.1	3.4
	39.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	5.8	3.7	5.9	3.5	6.1	3.4
71	10.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.3	5.0
	12.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.2	4.9
	14.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.1	4.9
	16.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.0	4.8
	18.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.8	4.7
	20.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.6	4.6
	21.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.5	4.5
	23.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.4	4.5
	25.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.3	4.4
	27.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.2	4.7	8.3	4.5
	29.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.1	4.7	8.2	4.5
	31.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.0	4.6	7.9	4.3
	33.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.9	4.6	7.9	4.3
	35.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.7	4.5	7.8	4.2
	37.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.4	4.8	7.6	4.5	7.7	4.3
	39.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.2	4.7	7.5	4.4	7.7	4.3

### Remarks:

1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capacities: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TC: Total Cooling Capacity  
SH: Sensible Heat Capacity

## 4-2. Heating capacity tables

Indoor unit capacity	Outdoor air temperature (°C)		Indoor air temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH kW	TH kW	TH kW	TH kW	TH kW	TH kW
22	-15.0	-14.7	1.64	1.64	1.63	1.63	1.62	1.62
	-13.0	-12.6	1.74	1.74	1.73	1.73	1.72	1.72
	-11.0	-10.5	1.82	1.82	1.81	1.81	1.80	1.80
	-10.0	-9.5	1.90	1.90	1.89	1.89	1.88	1.88
	-9.1	-8.5	1.95	1.95	1.94	1.94	1.93	1.93
	-7.6	-7.0	1.98	1.98	1.97	1.97	1.96	1.96
	-5.6	-5.0	2.05	2.05	2.04	2.04	2.03	2.03
	-3.7	-3.0	2.16	2.16	2.15	2.15	2.14	2.14
	-0.7	0.0	2.31	2.31	2.30	2.30	2.29	2.16
	2.2	3.0	2.44	2.44	2.46	2.46	2.37	2.16
	4.1	5.0	2.52	2.52	2.48	2.47	2.39	2.17
	6.0	7.0	2.60	2.60	2.50	2.49	2.41	2.19
	7.9	9.0	2.68	2.68	2.51	2.50	2.42	2.21
	9.8	11.0	2.76	2.76	2.53	2.51	2.43	2.22
28	11.8	13.0	2.86	2.81	2.55	2.52	2.45	2.22
	13.7	15.0	2.94	2.81	2.59	2.53	2.48	2.23
	-15.0	-14.7	2.03	2.03	2.02	2.02	2.01	2.01
	-13.0	-12.6	2.15	2.15	2.14	2.14	2.13	2.13
	-11.0	-10.5	2.25	2.25	2.24	2.24	2.23	2.23
	-10.0	-9.5	2.35	2.35	2.34	2.34	2.33	2.33
	-9.1	-8.5	2.41	2.41	2.40	2.40	2.39	2.39
	-7.6	-7.0	2.44	2.44	2.43	2.43	2.42	2.42
	-5.6	-5.0	2.54	2.54	2.53	2.53	2.52	2.52
	-3.7	-3.0	2.67	2.67	2.66	2.66	2.65	2.65
	-0.7	0.0	2.86	2.86	2.85	2.85	2.84	2.68
	2.2	3.0	3.02	3.02	3.01	3.01	2.93	2.68
	4.1	5.0	3.11	3.11	3.10	3.10	2.94	2.69
	6.0	7.0	3.21	3.21	3.20	3.12	2.95	2.70
	7.9	9.0	3.31	3.31	3.22	3.15	2.96	2.71
36	9.8	11.0	3.40	3.39	3.25	3.19	2.96	2.71
	11.8	13.0	3.53	3.47	3.29	3.21	2.97	2.72
	13.7	15.0	3.63	3.50	3.32	3.25	2.98	2.73
	-15.0	-14.7	2.53	2.53	2.52	2.52	2.51	2.51
	-13.0	-12.6	2.69	2.69	2.68	2.68	2.67	2.67
	-11.0	-10.5	2.81	2.81	2.80	2.80	2.79	2.79
	-10.0	-9.5	2.93	2.93	2.92	2.92	2.91	2.91
	-9.1	-8.5	3.01	3.01	3.00	3.00	2.99	2.99
	-7.6	-7.0	3.05	3.05	3.04	3.04	3.03	3.03
	-5.6	-5.0	3.17	3.17	3.16	3.16	3.15	3.15
	-3.7	-3.0	3.33	3.33	3.32	3.32	3.31	3.31
	-0.7	0.0	3.57	3.57	3.56	3.56	3.55	3.35
	2.2	3.0	3.78	3.78	3.76	3.76	3.67	3.35
	4.1	5.0	3.89	3.89	3.88	3.88	3.67	3.35
	6.0	7.0	4.01	4.01	4.00	3.91	3.68	3.36
	7.9	9.0	4.13	4.12	4.03	3.93	3.70	3.37
	9.8	11.0	4.25	4.24	4.06	3.95	3.72	3.37
	11.8	13.0	4.41	4.33	4.10	3.98	3.73	3.38
	13.7	15.0	4.53	4.33	4.14	3.99	3.75	3.39

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

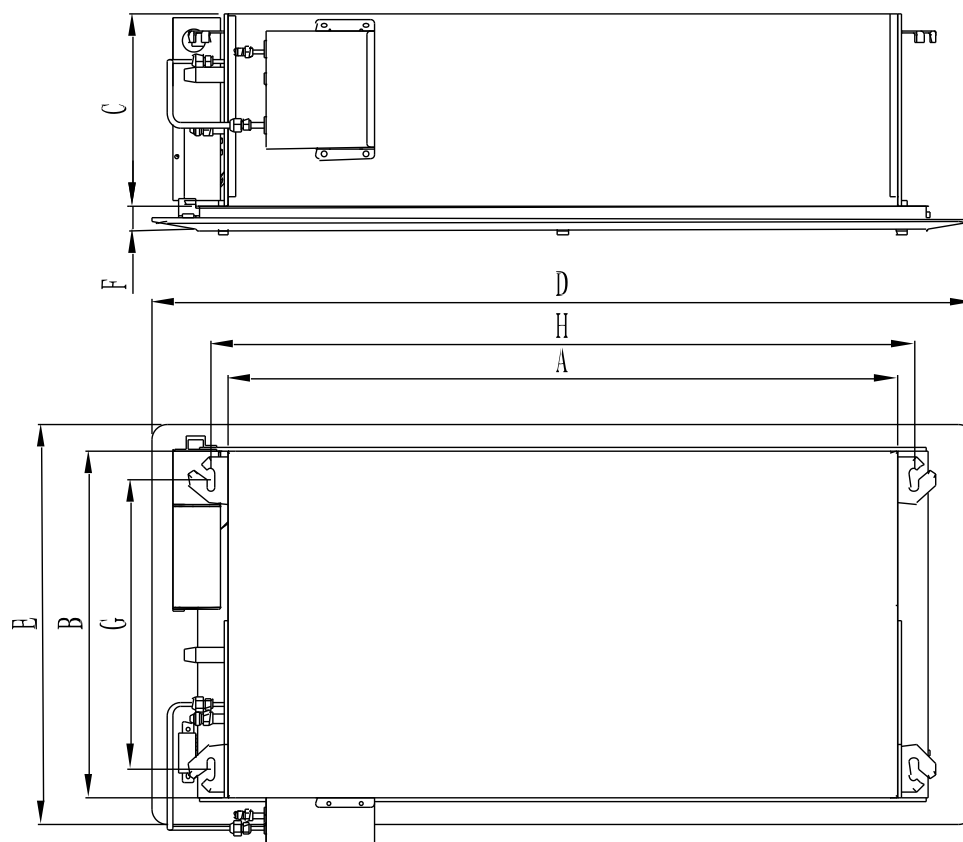
All Fresh Air Unit

Indoor unit capacity	Outdoor air temperature (°C)		Indoor air temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	kW	kW	kW	kW	kW	kW
45	-15.0	-14.7	3.16	3.16	3.15	3.15	3.14	3.14
	-13.0	-12.6	3.36	3.36	3.35	3.35	3.34	3.34
	-11.0	-10.5	3.52	3.52	3.51	3.51	3.50	3.50
	-10.0	-9.5	3.66	3.66	3.65	3.65	3.64	3.64
	-9.1	-8.5	3.76	3.76	3.75	3.75	3.74	3.74
	-7.6	-7.0	3.81	3.81	3.80	3.80	3.79	3.79
	-5.6	-5.0	3.96	3.96	3.95	3.95	3.94	3.94
	-3.7	-3.0	4.16	4.15	4.15	4.15	4.15	4.15
	-0.7	0.0	4.46	4.46	4.45	4.45	4.45	4.19
	2.2	3.0	4.71	4.71	4.70	4.70	4.59	4.20
	4.1	5.0	4.96	4.93	4.85	4.85	4.59	4.21
	6.0	7.0	5.09	5.05	5.00	4.86	4.60	4.22
	7.9	9.0	5.16	5.14	5.03	4.89	4.62	4.23
	9.8	11.0	5.31	5.29	5.05	4.91	4.63	4.23
56	-15.0	-14.7	3.98	3.98	3.97	3.97	3.96	3.96
	-13.0	-12.6	4.23	4.23	4.22	4.22	4.21	4.21
	-11.0	-10.5	4.42	4.42	4.41	4.41	4.40	4.40
	-10.0	-9.5	4.61	4.61	4.60	4.60	4.59	4.59
	-9.1	-8.5	4.74	4.74	4.73	4.73	4.72	4.72
	-7.6	-7.0	4.80	4.80	4.79	4.79	4.78	4.78
	-5.6	-5.0	4.99	4.99	4.98	4.98	4.97	4.97
	-3.7	-3.0	5.24	5.24	5.23	5.23	5.22	5.22
	-0.7	0.0	5.62	5.62	5.61	5.61	5.60	5.60
	2.2	3.0	5.93	5.93	5.92	5.92	5.79	5.79
	4.1	5.0	6.12	6.12	6.11	6.11	5.79	5.79
	6.0	7.0	6.31	6.31	6.30	6.11	5.80	5.80
	7.9	9.0	6.50	6.49	6.30	6.11	5.80	5.80
	9.8	11.0	6.69	6.69	6.30	6.11	5.80	5.80
	11.8	13.0	6.94	6.81	6.30	6.11	5.81	5.81
71	-15.0	-14.7	4.83	4.83	4.82	4.82	4.81	4.81
	-13.0	-12.6	5.15	5.15	5.14	5.14	5.13	5.13
	-11.0	-10.5	5.40	5.40	5.39	5.39	5.38	5.38
	-10.0	-9.5	5.63	5.63	5.62	5.62	5.61	5.61
	-9.1	-8.5	5.79	5.79	5.78	5.78	5.77	5.77
	-7.6	-7.0	5.87	5.87	5.86	5.86	5.85	5.85
	-5.6	-5.0	6.11	6.11	6.10	6.09	6.08	6.08
	-3.7	-3.0	6.42	6.42	6.41	6.41	6.40	6.40
	-0.7	0.0	6.91	6.91	6.90	6.90	6.89	6.89
	2.2	3.0	7.31	7.31	7.30	7.30	7.15	6.50
	4.1	5.0	7.55	7.55	7.54	7.54	7.15	6.53
	6.0	7.0	8.08	8.02	8.0	7.56	7.15	6.50
	7.9	9.0	8.20	8.15	8.15	7.60	7.16	6.51
	9.8	11.0	8.27	8.27	8.22	7.65	7.16	6.51
	11.8	13.0	8.79	8.79	8.30	7.82	7.17	6.52
	13.7	15.0	8.84	8.43	8.35	8.01	7.17	6.52

## Remarks:

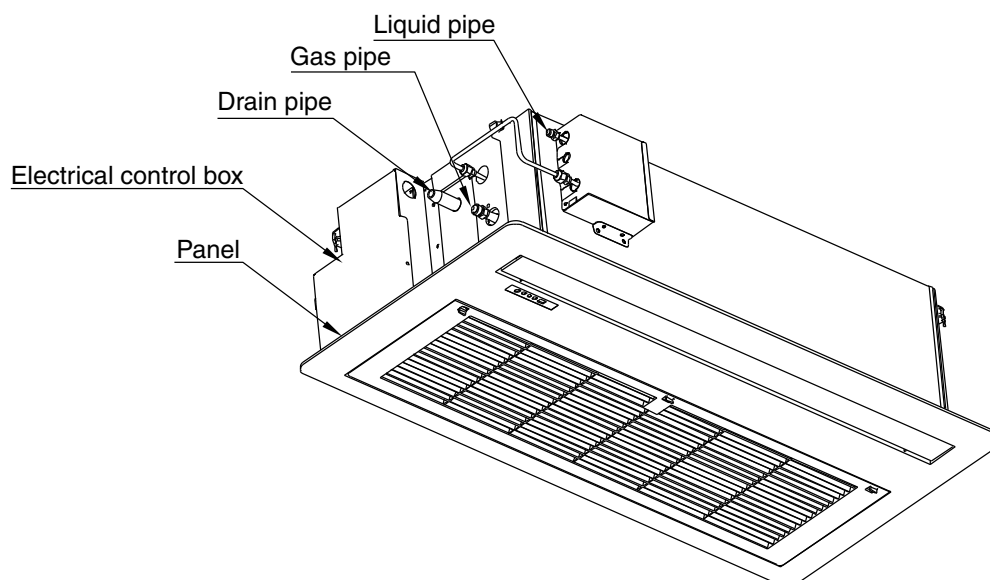
1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capacities: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TH: Total heating capacity

## 5 Dimensions Drawings



Indoor unit model	Body dimension			Board dimension			Mounting dimensions	
	A	B	C	D	E	F	G	H
MWA022-036AMN	994	532	250	1070	520	50	355	916
MWA045AMN	994	532	290					
MWA056-071AMN	1304	572	290	1380	560	50	395	1225

## 6 Pipe Connection



Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

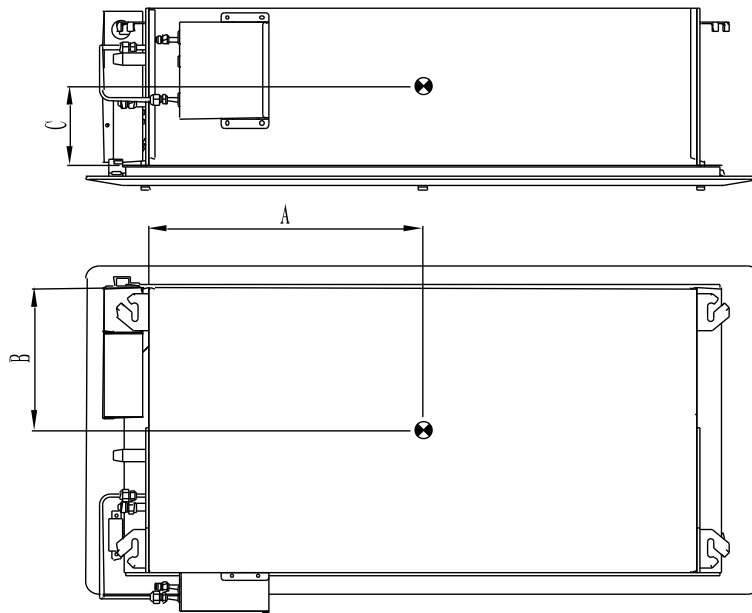
High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

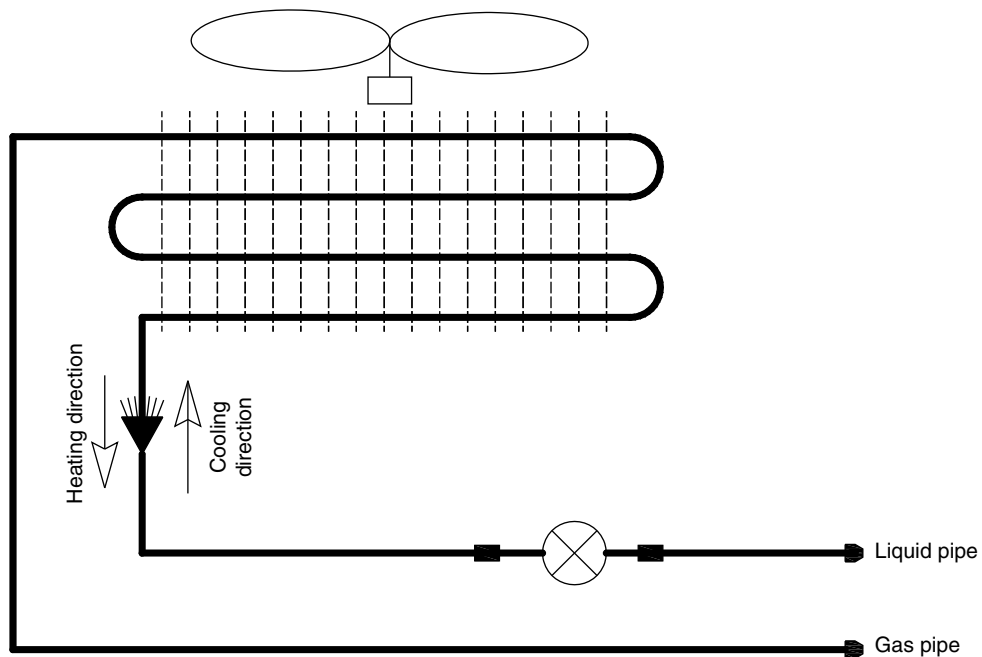
All Fresh Air Unit

## 7 Center of Gravity



Indoor unit model	Gravity center dimension		
	A	B	C
MWA022-036AMN	435	230	125
MWA045AMN	435	230	145
MWA056-071AMN	650	285	145

## 8 Piping Diagram



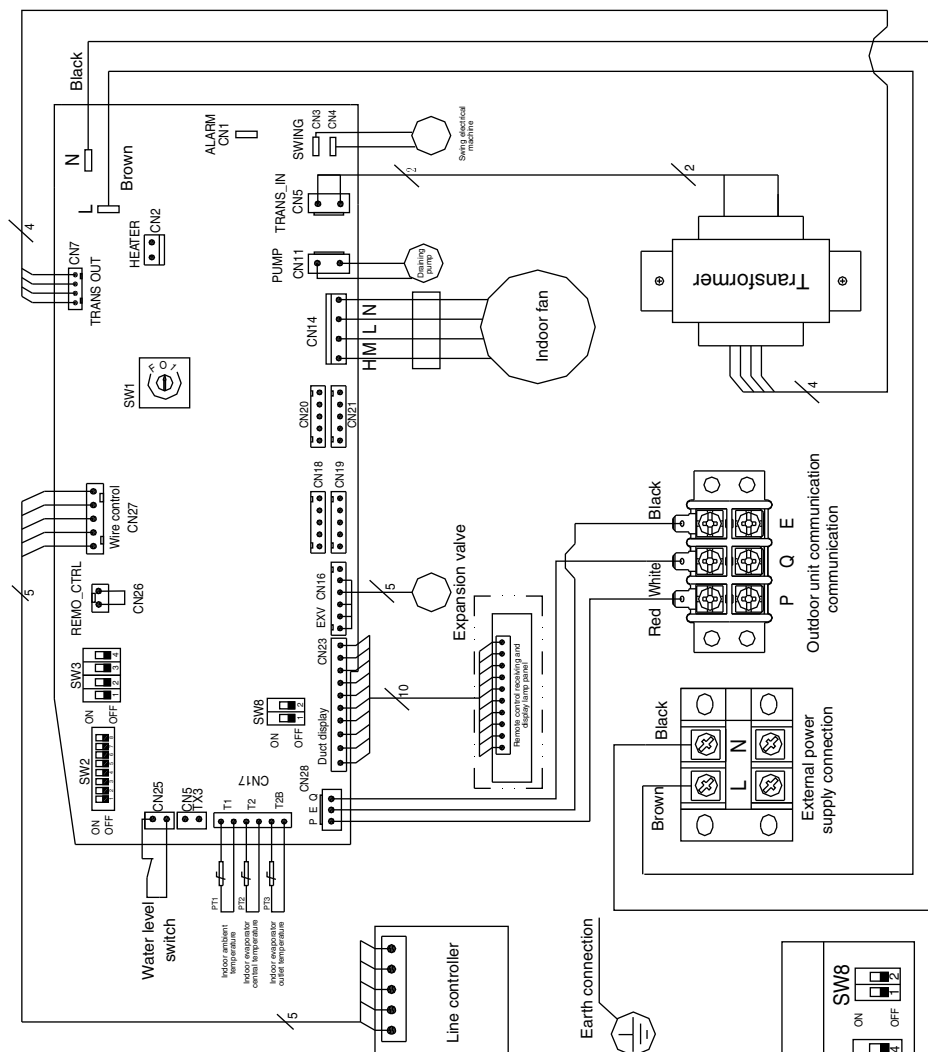
Model	MWA022~036AMN	MWA045~056AMN	MWA071AMN
Liquid pipe	Φ6.35(flaring connection)		Φ9.52(flaring connection)
Gas pipe	Φ9.52(flaring connection)	Φ12.7(flaring connection)	Φ15.88(flaring connection)



# 9 Electrical Wiring Diagram

MWA022~071AMN

## Electric wiring diagram



Note: Materials in italicized line are for increasing remote control receiving and display lamp panel.

Heating temperature compensation value selection bit	
SW2 3rd and 4th place	Temperature selection
ON	6°C
OFF	2°C
ON	4°C
OFF	8°C

Temperature valve select bit of against cold air airlock	
SW2 5th and 6th place	Temperature selection
ON	15°C
OFF	20°C
ON	24°C
OFF	26°C

Time selection of off-wind fan under heating mode	
SW2 7th and 8th place	Temperature selection
ON	4Minute
OFF	8Minute
ON	12Minute
OFF	16Minute

Customize power memory function according to contract	
SW3	With power down memory function
ON	No power down memory function
OFF	

Remote control receiving and display lamp panel	
SW3	LED lamp panel
ON	Digital tube
OFF	

Addressing mode select bit	
SW3	Automatic addressing mode (factory default)
ON	Test pattern (allowing address reset)
OFF	

Factory settings	
SW2	SW3
ON	ON
OFF	OFF

The horsepower of indoor unit which has been set before delivery can be reset through dial switch SW1 (16 bit dial disk) on indoor board. The horsepower indoor unit includes types below:

HP	0.8	1	1.2	1.7	2	2.5	3	3.2	4	5	6
Power	18/22	25/26/28	32/35/36	40/45/46	51/56	60/66/71	80	88/92	100/110/112/120/125/140	150/160	
Capacity dial-up	0	1	2	3	4	5	6	7	8	9	9

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

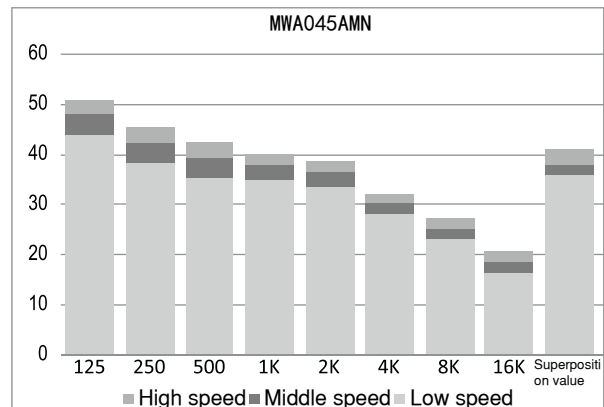
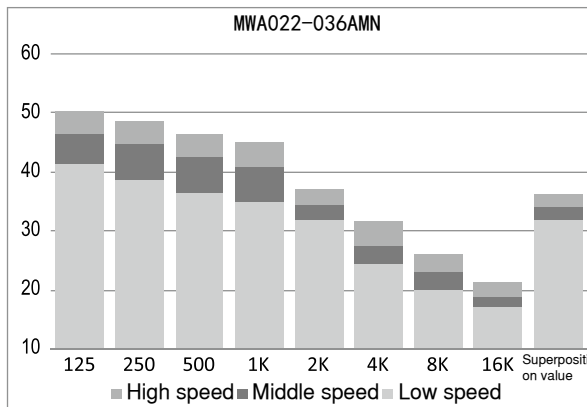
Floor Ceiling Unit

All Fresh Air Unit

Remarks:

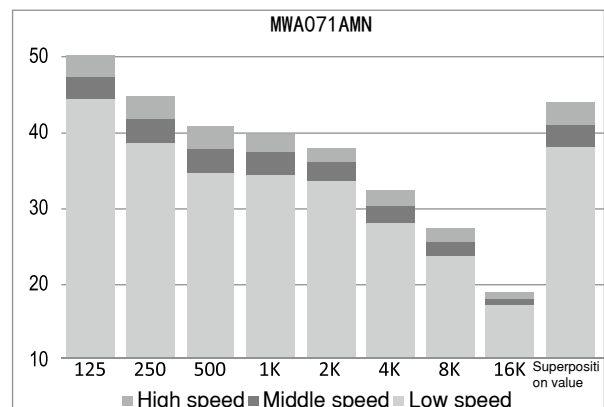
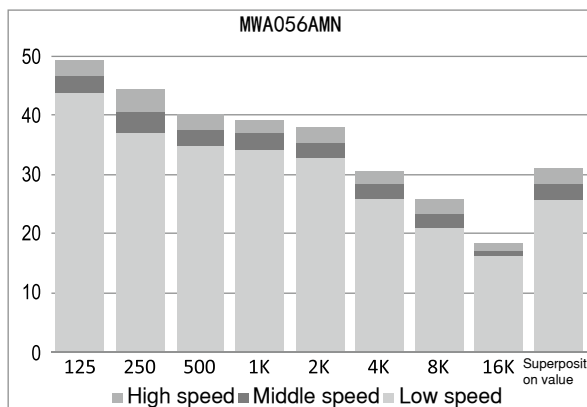
1. Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings.
2. Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.

## 10 Sound Data



Description:

- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



Description:

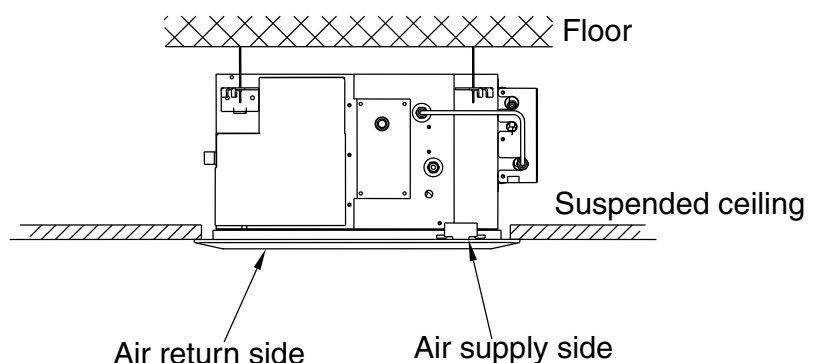
- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.

## 11 Installation

The installation of 1-way cassette unit is as follows:

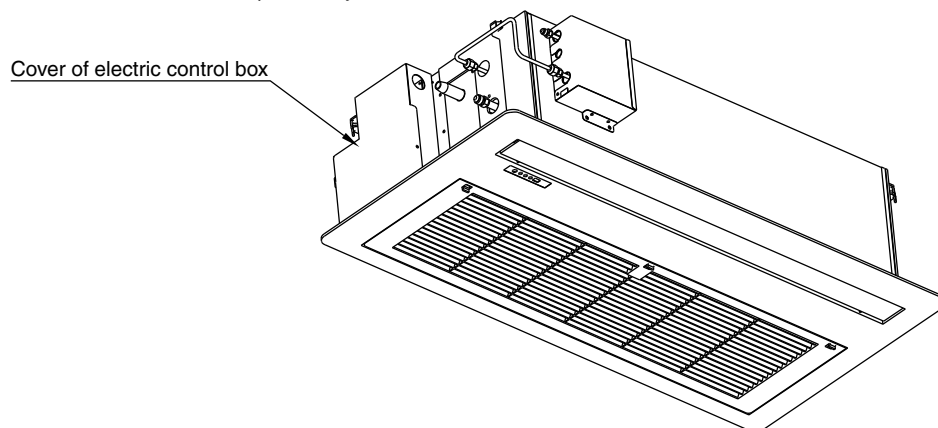
Remark:

- The body must be securely installed, and the body should be maintain horizontally, or it may cause water leakage.
- The installation of the unit must be added to the repair port.
- The repair port size is about 500x500mm; the position is as close as possible to the piping and the side of the electric control box.

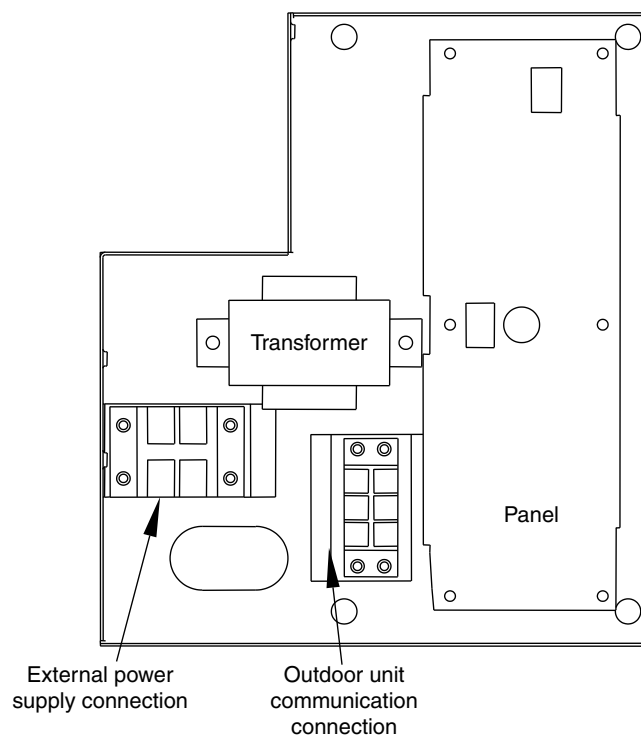


## 12 Electrical Box Connection

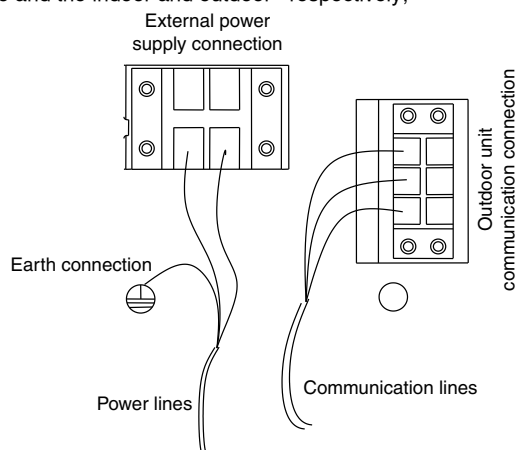
1. Take down the electronic control box cover pointed by the arrows as shown



2. Electric control schematic layout



3. As shown below, connect the power line and the indoor and outdoor respectively;



Remark: Due to continuous product updates and progress, the actual objects may differ from the wiring diagram, it is subject to the actual goods without prior notice.

## 2-way Cassette Unit



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# 1 Technical Specifications

Indoor units Model				MWB045AMNNAA MWB045AMNNBA MWB045AMNNCA	MWB056AMNNAA MWB056AMNNBA MWB056AMNNCA	MWB071AMNNAA MWB071AMNNBA MWB071AMNNCA	MWB080AMNNAA MWB080AMNNBA MWB080AMNNCA
Specifications							
Cooling capacity			kW	4.5	5.6	7.1	8.0
Heating capacity			kW	5.0	6.3	8.0	9.0
Rated input power	Cooling	kW	70	70	100	100	
	Heating	kW	70	70	100	100	
Appearance	Color			Ivory			
Size	Unit	Length× Width×Height	mm	960×520×306		1200×520×306	
Decoration Panel dimension		Length× Width×Height	mm	1203×630×50		1443×630×50	
Weight	Unit		kg	33(without Panel)		40(without Panel)	
Heat exchanger	Fin type			Hydrophilic			
Fans	Type			Centrifugal fan			
	Quantity			1			
	Airflow	Cooling/ Heating	High	m³/h	800	1120	
			Middle	m³/h	670	950	
			Low	m³/h	600	850	
	Static pressure		Pa	0			
Motor	Quantity			1			
	Rotate speed	Cooling/ Heating	High	rpm	900	1030	
			Middle	rpm	760	860	
			Low	rpm	700	790	
	Power (high speed)		w	70	100		
	Drive mode			AC drive			
Noise	Cooling/ Heating	High	dBA	42	46		
		Middle	dBA	39	43		
		Low	dBA	36	40		
Refrigerant	Type			R410a			
	Flow control			Electronic expansion valve			
Connecting pipe	Gas pipe	Connection method		Flaring connection			
		Pipe diameter	mm	Φ12.7		Φ15.88	
	Liquid pipe	Connection method		Flaring connection			
		Pipe diameter	mm	Φ6.35		Φ9.52	
	Drain pipe	Size (OD)		DN25			
		Drain-up height	mm	700			
Air Filer				ABS filter grille			
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.			

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit



## 2 Electrical Data

Indoor unit model	Power supply					Running current	
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated current	Fusing current
MWB045AMNNAA MWB045AMNNBA MWB045AMNNCA	AC	50Hz	220V	-10%	+10%	0.4A	5A
MWB056AMNNAA MWB056AMNNBA MWB056AMNNCA						0.4A	5A
MWB071AMNNAA MWB071AMNNBA MWB071AMNNCA						0.5A	5A
MWB080AMNNAA MWB080AMNNBA MWB080AMNNCA						0.5A	5A

Remark:

1. Fusing current refers to the motherboard fusing current, excluding electric heating current.

## 3 Accessories Details

Name	Quantity
Accessory bag 1	
Remote controller	1pc
Remote controller battery	1pc
Certificate	1pc
Wired controller warning identification	1pc
Instructions	1pc
Accessory bag 2	
High-pressure single-joint thermal insulation pipe	1pc
Low-pressure single-joint thermal insulation pipe	1pc
ribbon	6pcs
Fork shaped pre-insulated terminal	3pcs
Round shaped pre-insulated terminal	6pcs
Other	

Note:

1. Warranty card is put in the accessory bag of outdoor unit.
2. Due to continuous product updates and progress, the actual accessories included may vary, so it is subject to the actual goods without further notice.

## 4 Capacity Tables

### 4-1. Cooling capacity tables

Indoor unit capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
45	10.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	6.0	3.3
	12.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	6.0	3.3
	14.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.9	3.3
	16.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.7	3.2
	18.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.8	3.3
	20.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.8	3.3
	21.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.7	3.3
	23.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.6	3.2
	25.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.3	3.3	5.5	3.2
	27.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.2	3.2	5.3	3.0
	29.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.2	3.2	5.3	3.0
	31.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.1	3.1	5.2	2.9
	33.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.0	3.1	5.2	2.9
	35.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	4.9	3.0	5.1	2.9
56	10.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.4	3.9
	12.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.3	3.8
	14.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.2	3.8
	16.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.1	3.7
	18.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.9	3.7
	20.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.8	3.6
	21.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.7	3.6
	23.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.7	3.5
	25.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.6	3.5
	27.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.5	3.8	6.5	3.5
	29.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.4	3.8	6.5	3.6
	31.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.3	3.7	6.3	3.4
	33.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.3	3.7	6.3	3.4
	35.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.1	3.6	6.1	3.4
71	10.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	9.3	5.0
	12.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	9.2	4.9
	14.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	9.1	4.9
	16.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	9.0	4.8
	18.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.8	4.7
	20.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.6	4.6
	21.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.5	4.5
	23.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.3	4.5
	25.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.3	4.4
	27.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	8.2	4.7	8.3	4.5
	29.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	8.1	4.7	8.2	4.5
	31.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	8.0	4.6	7.9	4.3
	33.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	7.9	4.6	7.9	4.3
	35.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	7.7	4.5	7.8	4.2
	37.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.8	7.6	4.5	7.7	4.3
	39.0	5.0	3.9	5.9	3.9	6.7	4.7	7.1	4.9	7.6	4.7	7.5	4.4	7.7	4.3

Remarks:

- The design and executive standard of the unit is GB/T 18837-2015
- Test conditions for the above-said indoor unit capability: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
- Due to system optimization reasons of the product, change of the data will be conducted without notice.
- TC: Total Cooling Capacity  
SH: Sensible Heat Capacity

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## Capacity Tables

Indoor unit capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH
80	10.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	10.5	5.8
	12.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	10.3	5.7
	14.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	10.3	5.7
	16.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	10.1	5.6
	18.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.9	5.6
	20.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.7	5.5
	21.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.5	5.4
	23.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.5	5.3
	25.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.4	5.3
	27.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.2	5.7	9.3	5.2
	29.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.1	5.6	9.2	5.2
	31.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.0	5.5	8.9	5.1
	33.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	8.9	5.5	8.9	5.1
	35.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.5	5.8	8.7	5.3	8.7	5.1
	37.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.2	5.6	8.5	5.2	8.7	5.1
	39.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.2	5.5	8.4	5.2	8.7	5.1

Remarks:

1. The design and executive standard of the unit is GB/T 18837-2015
2. Test conditions for the above-said indoor unit capability: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TC: Total Cooling Capacity  
SH: Sensible Heat Capacity

## 4-2. Heating capacity tables

Indoor unit capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH	TH	TH	TH	TH	TH
45	-15.0	-14.7	3.16	3.16	3.15	3.15	3.14	3.14
	-13.0	-12.6	3.36	3.36	3.35	3.35	3.34	3.34
	-11.0	-10.5	3.52	3.52	3.51	3.51	3.50	3.50
	-10.0	-9.5	3.66	3.66	3.65	3.65	3.64	3.64
	-9.1	-8.5	3.76	3.76	3.75	3.75	3.74	3.74
	-7.6	-7.0	3.81	3.81	3.80	3.80	3.79	3.79
	-5.6	-5.0	3.96	3.96	3.95	3.95	3.94	3.94
	-3.7	-3.0	4.16	4.15	4.15	4.15	4.15	4.15
	-0.7	0.0	4.46	4.46	4.45	4.45	4.45	4.19
	2.2	3.0	4.71	4.71	4.70	4.70	4.59	4.19
	4.1	5.0	4.86	4.86	4.85	4.85	4.59	4.19
	6.0	7.0	5.01	5.00	5.00	4.86	4.60	4.20
	7.9	9.0	5.16	5.16	5.02	4.88	4.61	4.21
	9.8	11.0	5.31	5.31	5.08	4.92	4.62	4.22
	11.8	13.0	5.51	5.40	5.12	4.97	4.63	4.22
56	13.7	15.0	5.66	5.41	5.16	5.02	4.63	4.23
	-15.0	-14.7	3.98	3.98	3.97	3.97	3.96	3.96
	-13.0	-12.6	4.23	4.23	4.22	4.22	4.21	4.21
	-11.0	-10.5	4.42	4.42	4.41	4.41	4.40	4.40
	-10.0	-9.5	4.61	4.61	4.60	4.60	4.59	4.59
	-9.1	-8.5	4.74	4.74	4.73	4.73	4.72	4.72
	-7.6	-7.0	4.80	4.80	4.79	4.79	4.78	4.78
	-5.6	-5.0	4.99	4.99	4.98	4.98	4.97	4.97
	-3.7	-3.0	5.24	5.24	5.23	5.23	5.22	5.22
	-0.7	0.0	5.62	5.62	5.61	5.61	5.60	5.28
	2.2	3.0	5.93	5.93	5.92	5.92	5.79	5.28
	4.1	5.0	6.12	6.12	6.11	6.11	5.79	5.28
	6.0	7.0	6.31	6.31	6.30	6.13	5.80	5.29
	7.9	9.0	6.50	6.49	6.34	6.18	5.81	5.30
	9.8	11.0	6.69	6.69	6.39	6.23	5.82	5.31
71	11.8	13.0	6.94	6.81	6.42	6.27	5.83	5.31
	13.7	15.0	7.13	6.82	6.49	6.30	5.83	5.32
	-15.0	-14.7	5.05	5.05	5.04	5.04	5.03	5.03
	-13.0	-12.6	5.37	5.37	5.36	5.36	5.35	5.35
	-11.0	-10.5	5.61	5.61	5.60	5.60	5.59	5.59
	-10.0	-9.5	5.85	5.85	5.84	5.84	5.83	5.83
	-9.1	-8.5	6.01	6.01	6.00	6.00	5.99	5.99
	-7.6	-7.0	6.09	6.09	6.08	6.08	6.07	6.07
	-5.6	-5.0	6.33	6.33	6.32	6.32	6.31	6.31
	-3.7	-3.0	6.65	6.65	6.64	6.64	6.63	6.63
	-0.7	0.0	7.13	7.13	7.12	7.12	7.11	6.71
	2.2	3.0	7.53	7.53	7.52	7.52	7.35	6.71
	4.1	5.0	7.77	7.77	7.76	7.76	7.35	6.71
	6.0	7.0	8.01	8.01	8.00	7.78	7.36	6.72
	7.9	9.0	8.25	8.25	8.05	7.81	7.37	6.72
	9.8	11.0	8.49	8.49	8.09	7.86	7.38	6.73
	11.8	13.0	8.81	8.65	8.14	7.89	7.38	6.73
	13.7	15.0	9.05	8.65	8.20	7.93	7.39	6.74

Remarks:

1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capability: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TH: Total heating capacity

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

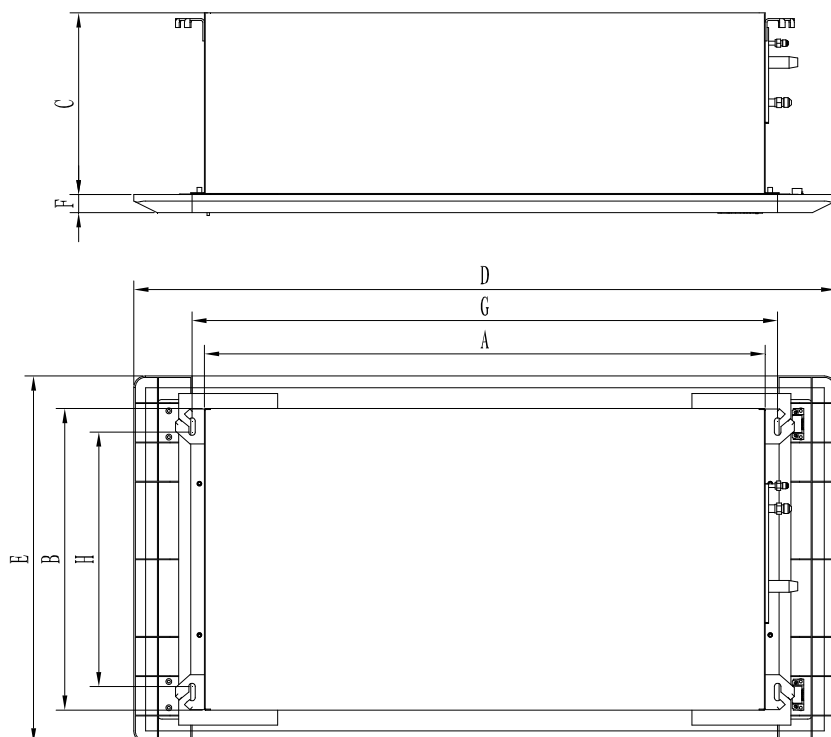
Indoor unit capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH kW	TH kW	TH kW	TH kW	TH kW	TH kW
80	-15.0	-14.7	5.68	5.68	5.67	5.67	5.66	5.66
	-13.0	-12.6	6.04	6.04	6.03	6.03	6.02	6.02
	-11.0	-10.5	6.31	6.31	6.30	6.30	6.29	6.29
	-10.0	-9.5	6.58	6.58	6.57	6.57	6.56	6.56
	-9.1	-8.5	6.76	6.76	6.75	6.75	6.74	6.74
	-7.6	-7.0	6.85	6.85	6.84	6.84	6.83	6.83
	-5.6	-5.0	7.12	7.12	7.11	7.11	7.10	7.10
	-3.7	-3.0	7.48	7.48	7.47	7.47	7.46	7.46
	-0.7	0.0	8.02	8.02	8.01	8.01	8.00	7.55
	2.2	3.0	8.47	8.47	8.46	8.46	8.27	7.55
	4.1	5.0	8.74	8.74	8.73	8.73	8.27	7.55
	6.0	7.0	9.01	9.01	9.00	8.73	8.27	7.55
	7.9	9.0	9.28	9.28	9.04	8.78	8.28	7.56
	9.8	11.0	9.56	9.56	9.11	8.84	8.28	7.56
	11.8	13.0	9.91	9.73	9.16	8.89	8.29	7.57
	13.7	15.0	10.18	9.73	9.23	9.02	8.32	7.59

Remarks:

1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capability: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TH: Total heating capacity

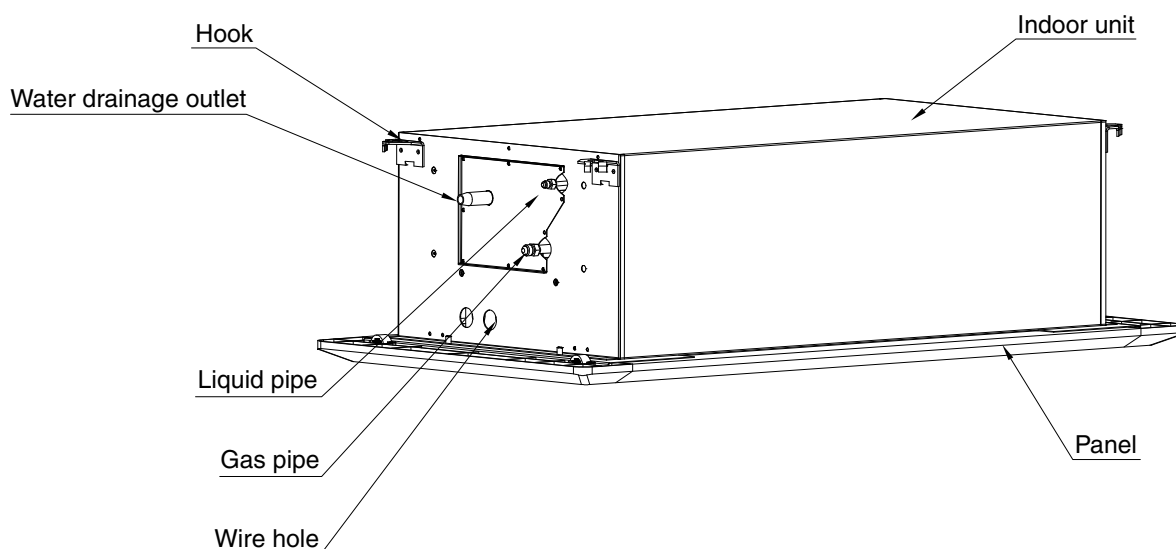


## 5 Dimensions Drawings



Indoor unit model	Dimension code	Body dimension			Panel dimension			Mounting dimensions	
		A	B	C	D	E	F	G	H
MWB045-056AMN		1068	517	310	1205	630	50	1005	437
MWB071-080AMN		1308	517	310	1445	630	50	1245	437

## 6 Pipe Connection



Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

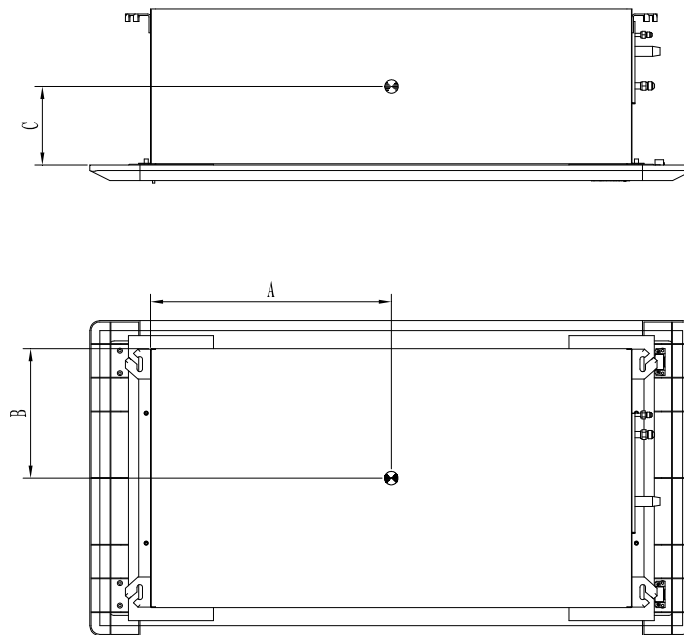
High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

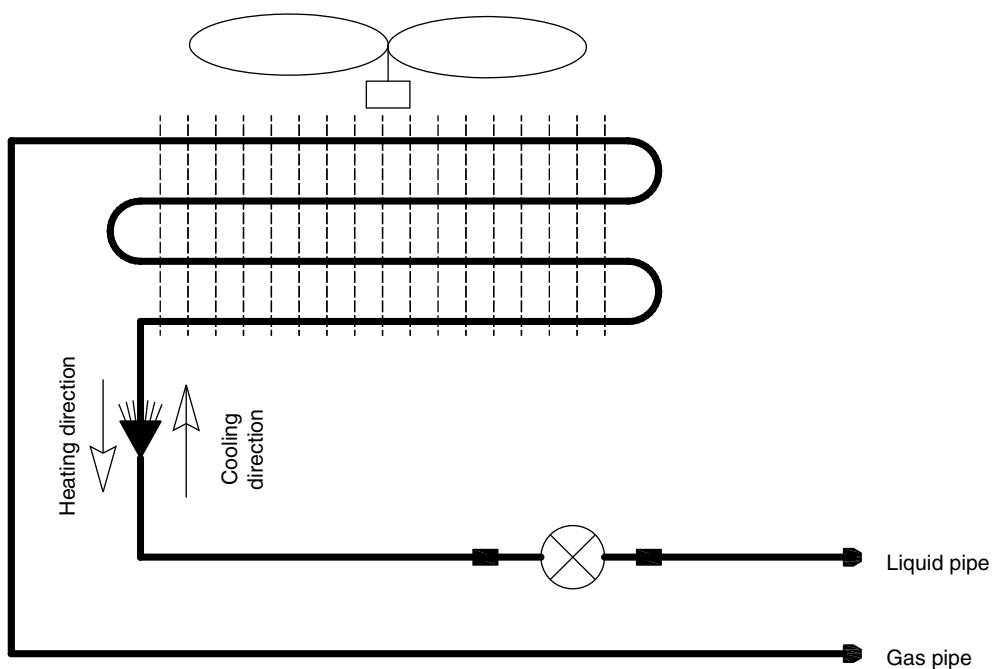
All Fresh Air Unit

## 7 Center of Gravity



Dimension code Indoor unit model	Gravity center dimension		
	A	B	C
MWB045-056AMN	480	260	150
MWB071-080AMN	600	260	150

## 8 Piping Diagram

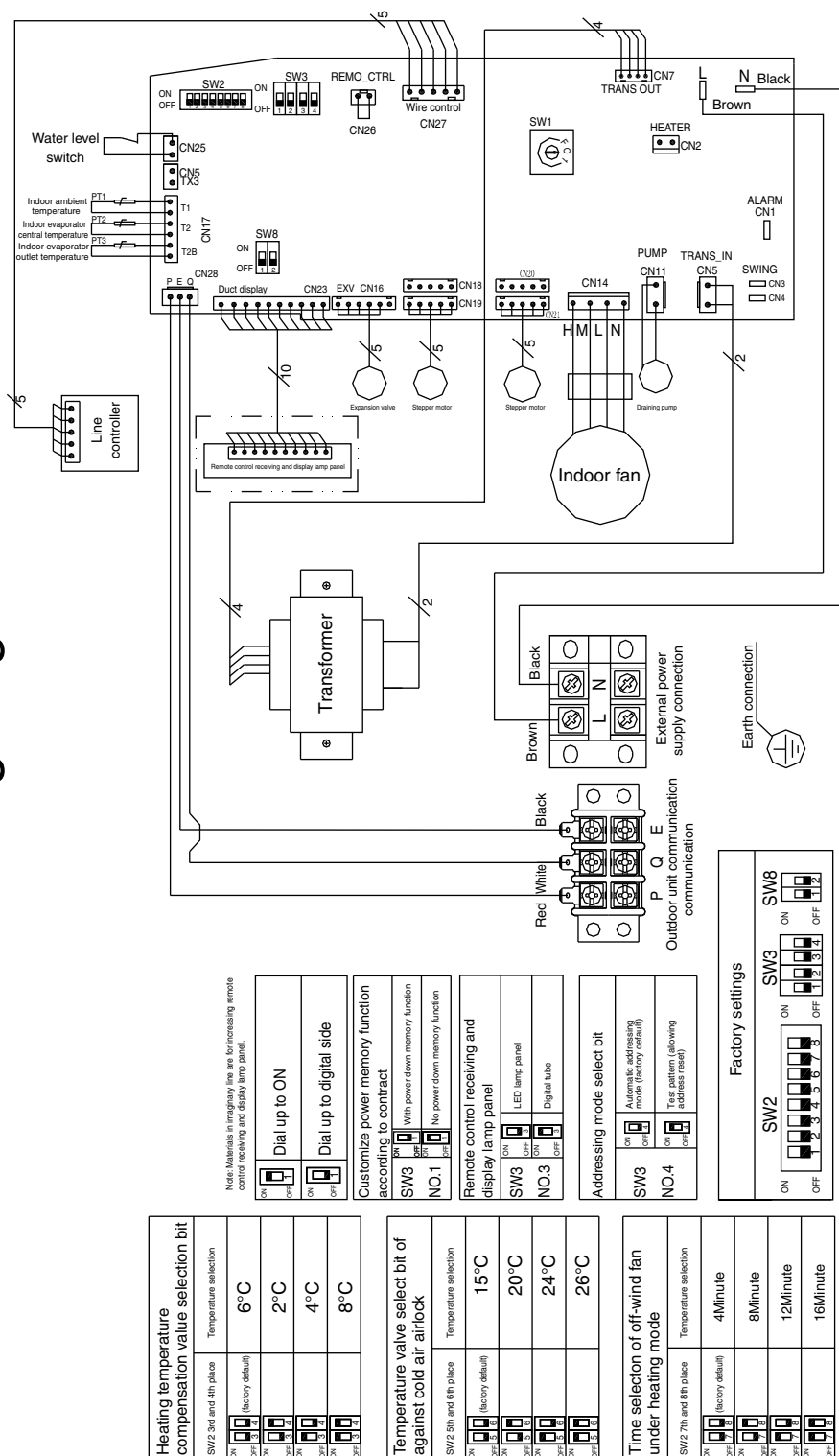


Model	MWB045~056AMN	MWB071~080AMN
Liquid pipe	Φ6.35(flaring connection)	Φ9.52(flaring connection)
Gas pipe	Φ12.7(flaring connection)	Φ15.88(flaring connection)

## 9 Electrical Wiring Diagram

MWB045~080AMN

### Electric wiring diagram



Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

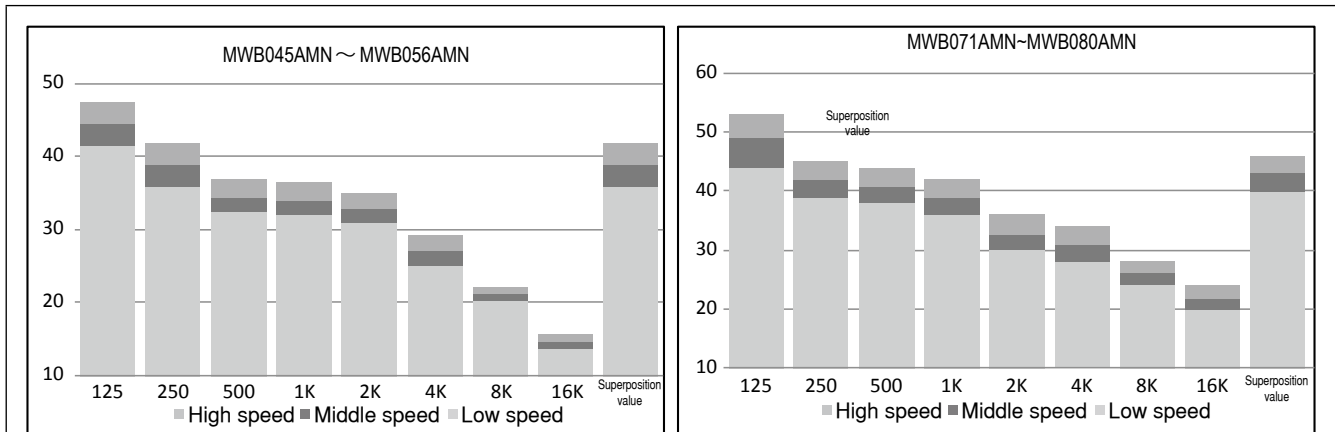
Floor Ceiling Unit

All Fresh Air Unit

The horsepower of indoor unit which has been set before delivery can be reset through dial switch SW1 (16 bit dial disk) on indoor board. The horsepower indoor unit includes types below:

HP	0.8	1	1.2	1.7	2	2.5	3	3.2	4	5	6
Power	18/22	25/26/28	32/35/36	40/45/46	51/56	60/66/71	80	88/92	100/110/112	120/125/140	150/160
Capacity dial-up	0	1	2	3	4	5	6	7	8	9	9

## 10 Sound Data

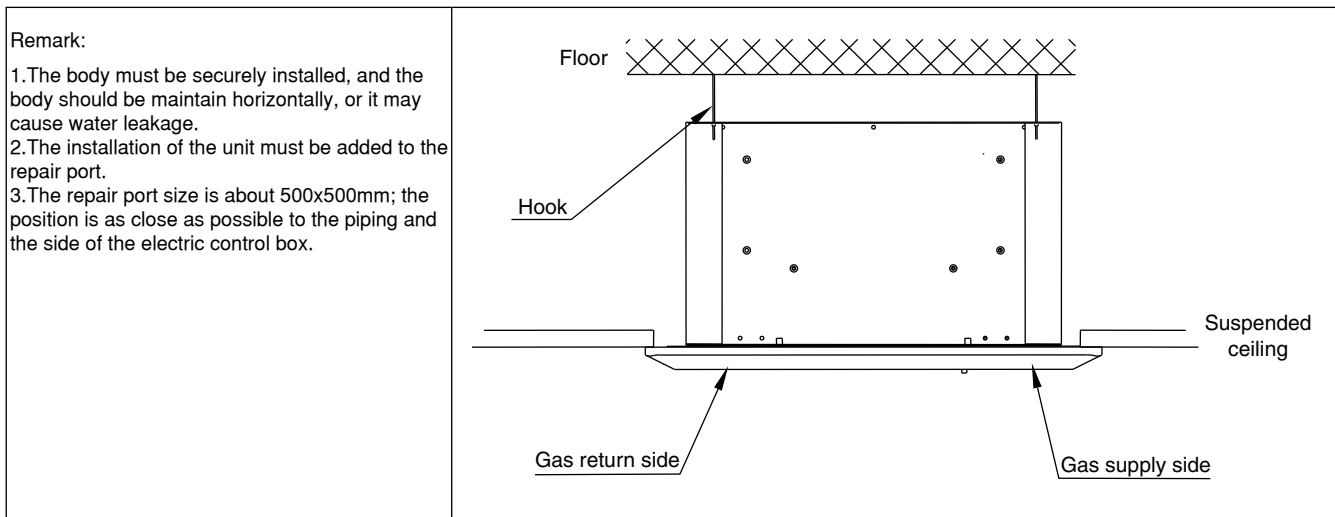


Description:

- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.

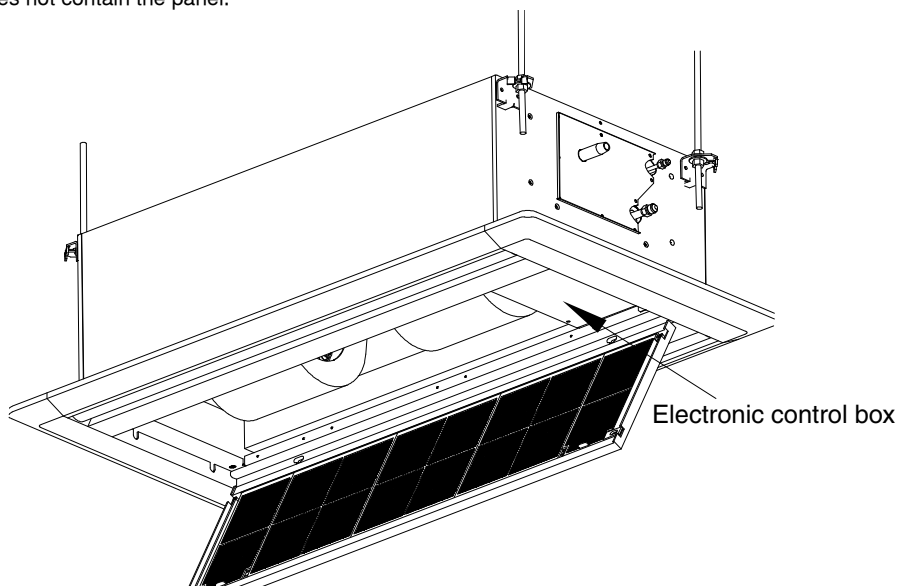
## 11 Installation

The embedded air duct unit with air outflow on two sides is installed as follows:

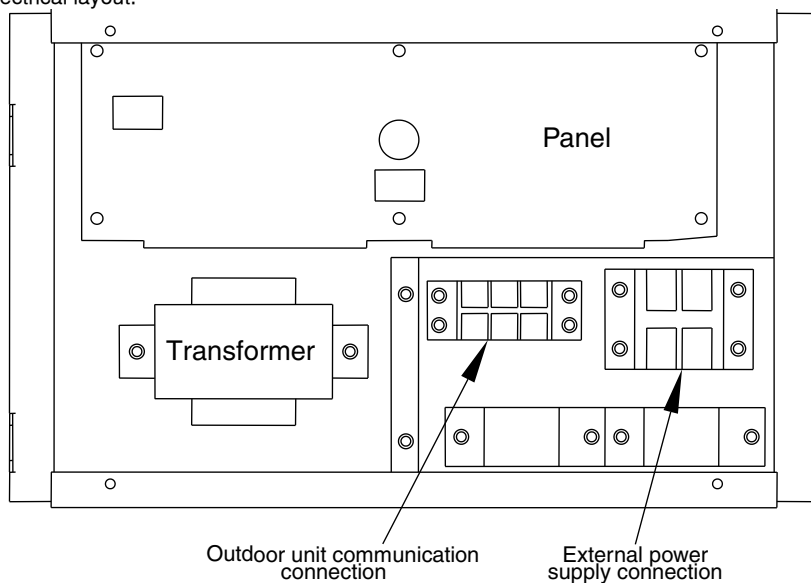


## 12 Electrical Box Connection

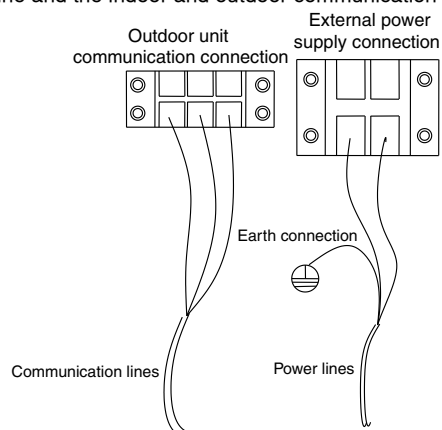
- 1.As shown below, after unscrewed the electrical control box fixing screws, pull down to get the electrical control box;  
 Note: The picture does not contain the panel.



- 2.Refer to the following electrical layout.



- 3.As shown below, connect the power line and the indoor and outdoor communication lines respectively.



Note: Due to continuous product updates and progress, the actual objects may differ from the wiring diagram, it is subject to the actual goods without prior notice.



## 4-way Cassette Unit



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# 1 Technical Specifications

## 1-1. Specifications of AC cassette indoor unit

Indoor units Model Specifications				MWC028AMNNAB MWC028AMNNBB MWC028AMNNCB		MWC036AMNNAB MWC036AMNNBB MWC036AMNNCB		MWC045AMNNAB MWC045AMNNBB MWC045AMNNCB		
Cooling capacity			kW		2.8		3.6		4.5	
Heating capacity			kW		3.2		4.0		5.0	
Rated input power		Cooling	kW		0.043		0.054		0.054	
		Heating	kW		0.043		0.054		0.054	
Appearance	Color				Lvory					
	Material				Galvanized steel sheet					
Size	Unit	Lengthx WidthxHeight	mm		900×833×232					
Weight	Unit		kg		22		24		24	
Heat exchanger	Fin type				Hydrophilic					
Fans	Type				Centrifugal fan					
	Quantity				1					
	Airflow	Cooling/ Heating	High	m³/h	650		810			
			Middle	m³/h	550		700			
			Low	m³/h	450		550			
	Static pressure		Pa		0					
Motor	Quantity				1					
	Rotate speed	Cooling/ Heating	High	rpm	500		620			
			Middle	rpm	440		570			
			Low	rpm	390		520			
	Power (high speed)		w		43		54		54	
	Drive mode				AC drive					
Noise	Cooling/ Heating	High	dBA	36		39		39		
		Middle	dBA	34		37		37		
		Low	dBA	32		35		35		
Refrigerant	Type				R410A					
	Flow control				Electronic expansion valve					
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ9.52		Φ12.7				
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ6.35						
	Drain pipe	Size (OD)		DN25						
		Drain-up height	mm	750						
Air Filer					ABS filter grille					
Remarks					1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.					

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor units Model Specifications				MWC056AMNNAB MWC056AMNNBB MWC056AMNNCB		MWC071AMNNAB MWC071AMNNBB MWC071AMNNCB		MWC080AMNNAB MWC080AMNNBB MWC080AMNNCB		
Cooling capacity			kW		5.6		7.1		8.0	
Heating capacity			kW		6.3		8.0		9.0	
Rated input power		Cooling	kW		0.054		0.093		0.093	
		Heating	kW		0.054		0.093		0.093	
Appearance	Color				Ivory					
	Material				Galvanized steel sheet					
Size	Unit	Length× Width×Height	mm		900×833×232					
Weight	Unit		kg		24		24		24	
Heat exchanger	Fin type				Hydrophilic					
Fans	Type				Centrifugal fan					
	Quantity				1					
	Airflow	Cooling/ Heating	High	m³/h	810		1050		1200	
			Middle	m³/h	700		950		1100	
			Low	m³/h	550		800		900	
Static pressure		Pa		0						
Motor	Quantity				1					
	Rotate speed	Cooling/ Heating	High	rpm	620		850			
			Middle	rpm	570		790			
			Low	rpm	520		600			
	Power (high speed)		w		54		93		93	
Drive mode				AC drive						
Noise	Cooling/ Heating	High	dBA	39		43		48		
		Middle	dBA	37		41		45		
		Low	dBA	35		39		43		
Refrigerant	Type				R410A					
	Flow control				Electronic expansion valve					
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ12.7		Φ15.88				
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ6.35		Φ9.52				
	Drain pipe	Size (OD)		DN25						
Drain-up height		mm	750							
Air Filter					ABS filter grille					
Remarks					1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.					

Indoor units Model Specifications				MWC090AMNNAB MWC090AMNNBB MWC090AMNNCB		MWC100AMNNAB MWC100AMNNBB MWC100AMNNCB		MWC112AMNNAB MWC112AMNNBB MWC112AMNNCB		
Cooling capacity			kW		9.0		10.0		11.2	
Heating capacity			kW		10.0		11.0		12.5	
Rated input power		Cooling	kW		0.16		0.16		0.16	
		Heating	kW		0.16		0.16		0.16	
Appearance	Color				Ivory					
	Material				Galvanized steel sheet					
Size	Unit	Length× Width×Height	mm		900×833×286					
Weight	Unit		kg		28.5		28.5		28.5	
Heat exchanger	Fin type				Hydrophilic					
Fans	Type				Centrifugal fan					
	Quantity				1					
	Airflow	Cooling/ Heating	High	m³/h	1550					
			Middle	m³/h	1250					
			Low	m³/h	1050					
	Static pressure		Pa		0					
Motor	Quantity				1					
	Rotate speed	Cooling/ Heating	High	rpm	750					
			Middle	rpm	650					
			Low	rpm	550					
	Power (high speed)		w		160					
	Drive mode				AC drive					
Noise	Cooling/ Heating	High	dBA	46						
		Middle	dBA	43						
		Low	dBA	41						
Refrigerant	Type				R410A					
	Flow control				Electronic expansion valve					
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ15.88						
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ9.52						
	Drain pipe	Size (OD)		DN25						
		Drain-up height	mm	750						
Air Filter					ABS filter grille					
Remarks					1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.					

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor units Model Specifications				MWC125AMNNAB MWC125AMNNBB MWC125AMNNCB		MWC140AMNNAB MWC140AMNNBB MWC140AMNNCB	
Cooling capacity			kW	12.5		14.0	
Heating capacity			kW	14.0		15.0	
Rated input power	Cooling	kW	0.16		0.16		
	Heating	kW	0.16		0.16		
Appearance	Color			Ivory			
	Material			Galvanized steel sheet			
Size	Unit	Length× Width×Height	mm	900×833×286			
Weight	Unit		kg	28.5		28.5	
Heat exchanger	Fin type			Hydrophilic			
Fans	Type			Centrifugal fan			
	Quantity			1			
	Airflow	Cooling/ Heating	High	m³/h	1600		
			Middle	m³/h	1450		
			Low	m³/h	1300		
	Static pressure		Pa		0		
Motor	Quantity			1			
	Rotate speed	Cooling/ Heating	High	rpm	750		
			Middle	rpm	650		
			Low	rpm	550		
	Power (high speed)		w		160		
	Drive mode			AC drive			
Noise	Cooling/ Heating	High	dBA	49			
		Middle	dBA	46			
		Low	dBA	43			
Refrigerant	Type			R410A			
	Flow control			Electronic expansion valve			
Connecting pipe	Gas pipe	Connection method		Flaring connection			
		Pipe diameter	mm	Φ15.88			
	Liquid pipe	Connection method		Flaring connection			
		Pipe diameter	mm	Φ9.52			
	Drain pipe	Size (OD)		DN25			
		Drain-up height	mm	750			
Air Filter				ABS filter grille			
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.			



## 1-2. Specifications of DC cassette indoor unit

Indoor units Model Specifications				MWC028BMNNAB MWC028BMNNBB MWC028BMNNCB		MWC036BMNNAB MWC036BMNNBB MWC036BMNNCB		MWC045BMNNAB MWC045BMNNBB MWC045BMNNCB		
Cooling capacity			kW	2.8		3.6		4.5		
Heating capacity			kW	3.2		4.0		5.0		
Rated input power		Cooling	kW	0.02		0.03		0.03		
		Heating	kW	0.02		0.03		0.03		
Appearance	Color			Ivory						
	Material			Galvanized steel sheet						
Size	Unit	Length× Width×Height	mm	900×833×232						
Weight	Unit		kg	20.5		22		22		
Heat exchanger	Fin type			Hydrophilic						
Fans	Type			Centrifugal fan						
	Quantity			1						
	Airflow	Cooling/ Heating	High	m³/h	650		810			
			Middle	m³/h	550		700			
			Low	m³/h	450		550			
	Static pressure		Pa		0					
Motor	Quantity			1						
	Rotate speed	Cooling/ Heating	High	rpm	500		620			
			Middle	rpm	440		570			
			Low	rpm	390		520			
	Power (high speed)		w		20		30		30	
	Drive mode			DC frequency inverter drive						
Noise	Cooling/ Heating	High	dBA	36		39				
		Middle	dBA	34		37				
		Low	dBA	32		35				
Refrigerant	Type			R410A						
	Flow control			Electronic expansion valve						
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ9.52		Φ12.7				
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ6.35						
	Drain pipe	Size (OD)		DN25						
		Drain-up height	mm	750						
Air Filer				ABS filter grille						
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35℃ DB/24℃ WB (outdoor), 27℃ DB/19℃ WB (indoor); heating 7℃ DB / 6℃ WB (outdoor), 20℃ DB/15℃ WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.						

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor units Model Specifications				MWC056BMNNAB MWC056BMNNBB MWC056BMNNCB		MWC071BMNNAB MWC071BMNNBB MWC071BMNNCB		MWC080BMNNAB MWC080BMNNBB MWC080BMNNCB		
Cooling capacity			kW	5.6		7.1		8.0		
Heating capacity			kW	6.3		8.0		9.0		
Rated input power		Cooling	kW	0.03		0.07		0.07		
		Heating	kW	0.03		0.07		0.07		
Appearance	Color			Ivory						
	Material			Galvanized steel sheet						
Size	Unit	Length×Width×Height	mm	900×833×232						
Weight	Unit		kg	22		22.5		22.5		
Heat exchanger	Fin type			Hydrophilic						
Fans	Type			Centrifugal fan						
	Quantity			1						
	Airflow	Cooling/Heating	High	m³/h	810		1050		1200	
			Middle	m³/h	700		950		1100	
			Low	m³/h	550		800		900	
	Static pressure		Pa		0					
Motor	Quantity			1						
	Rotate speed	Cooling/Heating	High	rpm	620		850			
			Middle	rpm	570		790			
			Low	rpm	520		600			
	Power (high speed)		w		30		70		70	
	Drive mode			DC frequency inverter drive						
Noise	Cooling/Heating	High	dBA	39		43		48		
		Middle	dBA	37		41		45		
		Low	dBA	35		39		43		
Refrigerant	Type			R410A						
	Flow control			Electronic expansion valve						
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ12.7		Φ15.88				
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ6.35		Φ9.52				
	Drain pipe	Size (OD)		DN25						
		Drain-up height	mm	750						
Air Filter				ABS filter grille						
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.						

Indoor units Model Specifications				MWC090BMNNAB MWC090BMNNBB MWC090BMNNCB		MWC100BMNNAB MWC100BMNNBB MWC100BMNNCB		MWC112BMNNAB MWC112BMNNBB MWC112BMNNCB			
Cooling capacity			kW		9.0		10.0		11.2		
Heating capacity			kW		10.0		11.0		12.5		
Rated input power		Cooling	kW		0.10		0.10		0.10		
		Heating	kW		0.10		0.10		0.10		
Appearance	Color				Ivory						
	Material				Galvanized steel sheet						
Size	Unit	Length× Width×Height		mm		900×833×286					
Weight	Unit			kg		27		27		27	
Heat exchanger	Fin type				Hydrophilic						
Fans	Type				Centrifugal fan						
	Quantity				1						
	Airflow	Cooling/ Heating	High	m³/h		1550					
			Middle	m³/h		1250					
			Low	m³/h		1050					
	Static pressure		Pa		0						
Motor	Quantity				1						
	Rotate speed	Cooling/ Heating	High	rpm		750					
			Middle	rpm		650					
			Low	rpm		550					
	Power (high speed)		w		100						
	Drive mode				DC frequency inverter drive						
Noise	Cooling/ Heating	High	dBA		46						
		Middle	dBA		43						
		Low	dBA		41						
Refrigerant	Type				R410A						
	Flow control				Electronic expansion valve						
Connecting pipe	Gas pipe	Connection method		Flaring connection							
		Pipe diameter	mm		Φ15.88						
	Liquid pipe	Connection method		Flaring connection							
		Pipe diameter	mm		Φ9.52						
	Drain pipe	Size (OD)		DN25							
		Drain-up height	mm		750						
Air Filer					ABS filter grille						
Remarks					1. This unit design and executive standard GB/T 18837-20015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.						

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## Technical Specifications

Indoor units Model Specifications				MWC125BMNNAB MWC125BMNNBB MWC125BMNNCB			MWC140BMNNAB MWC140BMNNBB MWC140BMNNCB		
Cooling capacity			kW	12.5			14.0		
Heating capacity			kW	14.0			15.0		
Rated input power		Cooling	kW	0.10			0.10		
		Heating	kW	0.10			0.10		
Appearance	Color			Ivory					
	Material			Galvanized steel sheet					
Size	Unit	Length× Width×Height	mm	900×833×286					
Weight	Unit		kg	27			27		
Heat exchanger	Fin type			Hydrophilic					
Fans	Type			Centrifugal fan					
	Quantity			1					
	Airflow	Cooling/ Heating	High	m³/h	1600				
			Middle	m³/h	1450				
			Low	m³/h	1300				
	Static pressure		Pa		0				
Motor	Quantity			1					
	Rotate speed	Cooling/ Heating	High	rpm	750				
			Middle	rpm	650				
			Low	rpm	550				
	Power (high speed)		w		100				
	Drive mode			DC frequency inverter drive					
Noise	Cooling/ Heating	High	dBA	49					
		Middle	dBA	46					
		Low	dBA	43					
Refrigerant	Type			R410A					
	Flow control			Electronic expansion valve					
Connecting pipe	Gas pipe	Connection method		Flaring connection					
		Pipe diameter	mm	Φ15.88					
	Liquid pipe	Connection method		Flaring connection					
		Pipe diameter	mm	Φ9.52					
	Drain pipe	Size (OD)		DN25					
		Drain-up height	mm	750					
Air Filer				ABS filter grille					
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35℃ DB/24℃ WB (outdoor), 27℃ DB/19℃ WB (indoor); heating 7℃ DB / 6℃ WB (outdoor), 20℃ DB/15℃ WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.					

## 2 Electrical Data

### 2-1. AC cassette indoor unit

Indoor Unit Model	Power supply					Running current	
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated current	Fusing current
MWC028AMNN**	AC	50Hz	220V	-10%	+10%	0.2A	5A
MWC036AMNN**						0.2A	5A
MWC045AMNN**						0.2A	5A
MWC056AMNN**						0.3A	5A
MWC071AMNN**						0.4A	5A
MWC080AMNN**						0.4A	5A
MWC090AMNN**			0.7A			5A	
MWC100AMNN**			0.7A			5A	
MWC112AMNN**			0.7A			5A	
MWC125AMNN**			0.7A			5A	
MWC140AMNN**			0.7A			5A	

Remark:

1. "\*" indicates that some model codes are omitted behind, but these codes do not affect the data in this form, as long as the model codes in front matches together, then the relevant data in the form can be applied.
2. Fusing current refers to the motherboard fusing current, excluding electric heating current.

### 2-2. DC cassette indoor unit

Indoor Unit Model	Power supply					Running current			
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated current	Fusing current		
MWC028BMNN**	AC	50Hz	220V	-10%	+10%	0.1A	5A		
MWC036BMNN**						0.1A	5A		
MWC045BMNN**						0.1A	5A		
MWC056BMNN**						0.1A	5A		
MWC071BMNN**						0.3A	5A		
MWC080BMNN**						0.3A	5A		
MWC090BMNN**						0.5A	5A		
MWC100BMNN**			220V			0.5A	5A		
MWC112BMNN**						0.5A	5A		
MWC125BMNN**						0.5A	5A		
MWC140BMNN**						0.5A	5A		

Remark:

1. "\*" indicates that some model codes are omitted behind, but these codes do not affect the data in this form, as long as the model codes in front matches together, then the relevant data in the form can be applied.
2. Fusing current refers to the motherboard fusing current, excluding electric heating current.

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit



### 3 Accessories Details

Name	Quantity
Accessory bag 1	
Hex nut	8 pcs
Flat pad	8 pcs
External water pipe	1 pcs
Hose clamp	2 pcs
ribbon	5 pcs
Accessory bag 2	
Remote Control	1 pcs
7 # battery	1 pair
Certificate	1 pcs
Self-tapping screws	2 pcs
Expansion rubber stopper	2 pcs
Instructions	1 pcs
Accessory bag 3	
High-pressure single-joint thermal insulation pipe	1 pcs
Low-pressure single-joint thermal insulation pipe	1 pcs
Large heat insulation pad	1 pcs
Fork shaped pre-insulated terminal	3 pcs
Round shaped pre-insulation terminal	6 pcs
Other	
Electronic expansion valve connection pipe	1 pcs
indoor unit panel	1 pcs

Note:

1. Warranty card is put in the accessory bag of outdoor unit.
2. Due to continuous product updates and progress, the actual accessories included may vary, so it is subject to the actual goods without further notice.

## 4 Capacity Tables

### 4-1. Cooling capacity tables

Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH
28	10.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.8	2.2
	12.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.7	2.1
	14.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.7	2.1
	16.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.6	2.1
	18.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.6	2.1
	20.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.5	2.1
	21.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.5	2.1
	23.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.1	3.5	2.1
	25.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.3	2.1	3.4	2.0
	27.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.3	2.1	3.4	2.0
	29.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.2	2.0	3.3	1.9
	31.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.2	2.0	3.3	1.9
	33.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.2	2.0	3.2	1.9
	35.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.0	3.1	2.0	3.2	1.9
36	37.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.0	3.1	2.0	3.1	1.8
	39.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.0	3.1	2.1	3.1	1.9
	10.0	2.6	2.2	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.4	2.6	4.8	2.7
	12.0	2.6	2.2	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.4	2.6	4.8	2.7
	14.0	2.6	2.2	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.4	2.6	4.7	2.6
	16.0	2.6	2.2	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.4	2.6	4.6	2.6
	18.0	2.6	2.2	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.4	2.6	4.6	2.6
	20.0	2.6	2.2	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.4	2.6	4.5	2.5
	21.0	2.6	2.2	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.4	2.6	4.5	2.5
	23.0	2.6	2.2	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.2	2.5	4.4	2.4
	25.0	2.6	2.2	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.2	2.5	4.3	2.4
	27.0	2.6	2.2	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.1	2.4	4.3	2.4
	29.0	2.6	2.2	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.1	2.4	4.2	2.4
	31.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.1	2.4	4.2	2.4
45	33.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.0	2.4	4.0	2.3
	35.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.7	4.0	2.3	4.0	2.3
	37.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.6	3.9	2.3	4.0	2.3
	39.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.6	3.9	2.3	3.9	2.3
	10.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.4	3.7	6.0	3.3
	12.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.4	3.7	6.0	3.3
	14.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.4	3.7	5.9	3.3
	16.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.4	3.7	5.7	3.2
	18.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.4	3.7	5.8	3.3
	20.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.4	3.7	5.8	3.3
	21.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.4	3.7	5.7	3.3
	23.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.4	3.7	5.6	3.2
	25.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.3	3.3	5.5	3.2
	27.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.2	3.2	5.3	3.1
	29.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.2	3.2	5.3	3.1
	31.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.1	3.1	5.2	3.0
	33.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	5.0	3.1	5.2	3.0
	35.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	4.9	3.0	5.1	3.0
	37.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.3	4.9	3.1	5.0	2.9
	39.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	4.8	3.1	4.9	2.9

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
56	10.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.4	3.9
	12.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.3	3.8
	14.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.2	3.8
	16.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.1	3.7
	18.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.9	3.7
	20.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.8	3.6
	21.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.7	3.6
	23.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.7	3.5
	25.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.6	3.5
	27.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.5	3.8	6.5	3.5
	29.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.4	3.8	6.5	3.6
	31.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.3	3.7	6.3	3.4
	33.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.3	3.7	6.3	3.4
	35.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.1	3.6	6.1	3.4
71	10.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	9.3	5.0
	12.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	9.2	4.9
	14.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	9.1	4.9
	16.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	9.0	4.8
	18.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.8	4.7
	20.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.6	4.6
	21.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.5	4.5
	23.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.3	4.5
	25.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.3	4.4
	27.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	8.2	4.7	8.3	4.5
	29.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	8.1	4.7	8.2	4.5
	31.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	8.0	4.6	7.9	4.3
	33.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	7.9	4.6	7.9	4.3
	35.0	5.0	3.9	5.9	4.2	6.7	4.7	7.1	4.9	7.6	4.8	7.7	4.5	7.8	4.2
80	10.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	10.5	5.8
	12.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	10.3	5.7
	14.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	10.3	5.7
	16.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	10.1	5.6
	18.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.9	5.6
	20.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.7	5.5
	21.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.5	5.4
	23.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.5	5.3
	25.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.4	5.3
	27.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	9.2	5.7	9.3	5.2
	29.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	9.1	5.6	9.2	5.2
	31.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	9.0	5.5	8.9	5.1
	33.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.7	5.8	8.9	5.5	8.9	5.1
	35.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.6	5.8	8.7	5.3	8.7	5.1
	37.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.3	5.6	8.5	5.2	8.7	5.1
	39.0	5.6	4.7	6.6	5.2	7.4	5.6	8.0	5.7	8.3	5.5	8.4	5.2	8.7	5.1

Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	10.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	12.8	6.6
	12.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.6	6.5
	14.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.5	6.4
	16.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.4	6.3
	18.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.1	6.3
	20.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.9	6.2
	21.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.7	6.1
	23.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.6	6.0
	25.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.5	6.0
	27.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.4	6.4	10.5	5.9
	29.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.2	6.2	10.4	5.8
	31.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.4	6.2	10.0	5.7
	33.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.0	6.1	10.0	5.7
	35.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.6	6.5	9.7	6.0	9.8	5.7
100	10.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	13.9	8.0
	12.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	12.9	7.5
	14.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	12.8	7.3
	16.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	12.7	7.3
	18.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	12.6	7.2
	20.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	12.5	7.2
	21.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	12.4	7.1
	23.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	11.8	7.2	12.3	7.1
	25.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	11.7	7.2	12.2	7.1
	27.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	11.6	7.1	12.1	7.0
	29.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	11.5	7.1	12.0	7.1
	31.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	11.4	7.0	11.5	6.7
	33.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	11.3	7.0	11.3	6.6
	35.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.6	7.1	11.2	6.9	11.1	6.5
112	10.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	15.6	9.0
	12.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	14.5	8.4
	14.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	14.3	8.2
	16.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	14.2	8.2
	18.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	14.1	8.1
	20.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	14.0	8.1
	21.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	13.9	8.0
	23.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	13.2	8.1	13.8	7.9
	25.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	13.1	8.1	13.7	7.9
	27.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	13.0	8.0	13.5	7.8
	29.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	12.9	7.9	13.4	7.9
	31.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	12.8	7.8	12.9	7.5
	33.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	12.0	8.1	12.6	7.8	12.6	7.4
	35.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	11.9	8.0	12.5	7.7	12.4	7.3
	37.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	11.7	7.9	12.4	7.6	12.2	7.1
	39.0	7.8	6.4	9.2	7.1	10.5	7.7	11.2	7.8	11.5	7.8	12.3	7.6	12.0	7.1

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## Capacity Tables

Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
125	10.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	15.0	9.1	16.4	9.1
	12.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	15.0	9.1	16.1	9.0
	14.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	15.0	9.1	16.0	8.9
	16.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	15.0	9.1	15.7	8.8
	18.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	15.0	9.1	15.4	8.5
	20.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	15.0	9.1	15.1	8.4
	21.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	15.0	9.1	14.9	8.3
	23.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	14.7	9.1	14.7	8.2
	25.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	14.6	9.0	14.6	8.1
	27.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	14.5	8.9	14.5	8.2
	29.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	14.4	8.8	14.4	8.1
	31.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	14.2	8.8	13.9	7.8
	33.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.4	8.7	14.1	8.7	13.9	7.8
	35.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.2	8.7	13.6	8.4	13.6	7.8
140	37.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	13.1	8.6	13.6	8.4	13.5	7.8
	39.0	8.7	7.0	10.3	7.7	11.9	8.6	12.5	8.8	12.9	8.4	13.1	8.2	13.5	7.9
	10.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	16.8	10.2	18.3	10.2
	12.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	16.8	10.2	18.0	10.0
	14.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	16.8	10.2	17.9	10.0
	16.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	16.8	10.2	17.6	9.8
	18.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	16.8	10.2	17.2	9.6
	20.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	16.8	10.2	16.9	9.4
	21.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	16.8	10.2	16.6	9.3
	23.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	16.5	10.2	16.5	9.2
	25.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	16.3	10.1	16.3	9.1
	27.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	16.2	10.0	16.2	9.2
	29.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	16.1	9.9	16.1	9.1
	31.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	15.9	9.8	15.5	8.8
	33.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.8	9.8	15.8	9.7	15.5	8.8
	35.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.7	9.7	15.2	9.4	15.2	8.8
	37.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.6	9.6	15.2	9.4	15.1	8.7
	39.0	9.8	7.8	11.5	8.6	13.3	9.6	14.0	9.8	14.4	9.4	14.7	9.2	15.1	8.7

### Remarks:

1. This unit design and executive standard GB/T 18837-2015.
2. The above-said indoor unit capacity test conditions: refrigerant piping equivalent length is of 5 meters; falling is 0 m.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.
4. TC: Total Cooling Capacity  
SH: Sensible Heat Capacity



## 4-2. Heating capacity tables

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH	TH	TH	TH	TH	TH
	WB	DB	kW	kW	kW	kW	kW	kW
28	-15.0	-14.7	2.03	2.03	2.02	2.02	2.01	2.01
	-13.0	-12.6	2.15	2.15	2.14	2.14	2.13	2.13
	-11.0	-10.5	2.25	2.25	2.24	2.24	2.23	2.23
	-10.0	-9.5	2.35	2.35	2.34	2.34	2.33	2.33
	-9.1	-8.5	2.41	2.41	2.40	2.40	2.39	2.39
	-7.6	-7.0	2.44	2.44	2.43	2.43	2.42	2.42
	-5.6	-5.0	2.54	2.54	2.53	2.53	2.52	2.52
	-3.7	-3.0	2.67	2.67	2.66	2.66	2.65	2.65
	-0.7	0.0	2.86	2.86	2.85	2.85	2.84	2.68
	2.2	3.0	3.02	3.02	3.01	3.01	2.93	2.68
	4.1	5.0	3.11	3.11	3.10	3.10	2.93	2.68
	6.0	7.0	3.21	3.21	3.20	3.10	2.93	2.68
	7.9	9.0	3.31	3.31	3.20	3.10	2.94	2.69
	9.8	11.0	3.40	3.39	3.20	3.10	2.94	2.69
36	11.8	13.0	3.53	3.47	3.20	3.10	2.95	2.70
	13.7	15.0	3.63	3.47	3.20	3.10	2.95	2.70
	-15.0	-14.7	2.53	2.53	2.52	2.52	2.51	2.51
	-13.0	-12.6	2.69	2.69	2.68	2.68	2.67	2.67
	-11.0	-10.5	2.81	2.81	2.80	2.80	2.79	2.79
	-10.0	-9.5	2.93	2.93	2.92	2.92	2.91	2.91
	-9.1	-8.5	3.01	3.01	3.00	3.00	2.99	2.99
	-7.6	-7.0	3.05	3.05	3.04	3.04	3.03	3.03
	-5.6	-5.0	3.17	3.17	3.16	3.16	3.15	3.15
	-3.7	-3.0	3.33	3.33	3.32	3.32	3.31	3.31
	-0.7	0.0	3.57	3.57	3.56	3.56	3.55	3.35
	2.2	3.0	3.78	3.78	3.76	3.76	3.67	3.35
	4.1	5.0	3.89	3.89	3.88	3.88	3.67	3.35
	6.0	7.0	4.01	4.01	4.00	3.88	3.68	3.36
	7.9	9.0	4.13	4.12	4.00	3.88	3.68	3.36
45	9.8	11.0	4.25	4.24	4.00	3.88	3.68	3.36
	11.8	13.0	4.41	4.33	4.00	3.88	3.69	3.37
	13.7	15.0	4.53	4.33	4.00	3.88	3.69	3.37
	-15.0	-14.7	3.16	3.16	3.15	3.15	3.14	3.14
	-13.0	-12.6	3.36	3.36	3.35	3.35	3.34	3.34
	-11.0	-10.5	3.52	3.52	3.51	3.51	3.50	3.50
	-10.0	-9.5	3.66	3.66	3.65	3.65	3.64	3.64
	-9.1	-8.5	3.76	3.76	3.75	3.75	3.74	3.74
	-7.6	-7.0	3.81	3.81	3.80	3.80	3.79	3.79
	-5.6	-5.0	3.96	3.96	3.95	3.95	3.94	3.94
	-3.7	-3.0	4.16	4.15	4.15	4.15	4.15	4.15
	-0.7	0.0	4.46	4.46	4.45	4.45	4.45	4.19
	2.2	3.0	4.71	4.71	4.70	4.70	4.59	4.19
	4.1	5.0	4.86	4.86	4.85	4.85	4.59	4.19
	6.0	7.0	5.01	5.00	5.00	4.85	4.60	4.20
	7.9	9.0	5.16	5.16	5.00	4.85	4.60	4.20
	9.8	11.0	5.31	5.31	5.00	4.85	4.61	4.21
	11.8	13.0	5.51	5.40	5.00	4.85	4.61	4.21
	13.7	15.0	5.66	5.41	5.00	4.85	4.61	4.21

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	kW	kW	kW	kW	kW	kW
56	-15.0	-14.7	3.98	3.98	3.97	3.97	3.96	3.96
	-13.0	-12.6	4.23	4.23	4.22	4.22	4.21	4.21
	-11.0	-10.5	4.42	4.42	4.41	4.41	4.40	4.40
	-10.0	-9.5	4.61	4.61	4.60	4.60	4.59	4.59
	-9.1	-8.5	4.74	4.74	4.73	4.73	4.72	4.72
	-7.6	-7.0	4.80	4.80	4.79	4.79	4.78	4.78
	-5.6	-5.0	4.99	4.99	4.98	4.98	4.97	4.97
	-3.7	-3.0	5.24	5.24	5.23	5.23	5.22	5.22
	-0.7	0.0	5.62	5.62	5.61	5.61	5.60	5.28
	2.2	3.0	5.93	5.93	5.92	5.92	5.79	5.28
	4.1	5.0	6.12	6.12	6.11	6.11	5.79	5.28
	6.0	7.0	6.31	6.31	6.30	6.11	5.80	5.29
	7.9	9.0	6.50	6.49	6.30	6.11	5.80	5.29
	9.8	11.0	6.69	6.69	6.30	6.11	5.80	5.29
	11.8	13.0	6.94	6.81	6.30	6.11	5.81	5.30
71	13.7	15.0	7.13	6.82	6.30	6.11	5.81	5.30
	-15.0	-14.7	5.05	5.05	5.04	5.04	5.03	5.03
	-13.0	-12.6	5.37	5.37	5.36	5.36	5.35	5.35
	-11.0	-10.5	5.61	5.61	5.60	5.60	5.59	5.59
	-10.0	-9.5	5.85	5.85	5.84	5.84	5.83	5.83
	-9.1	-8.5	6.01	6.01	6.00	6.00	5.99	5.99
	-7.6	-7.0	6.09	6.09	6.08	6.08	6.07	6.07
	-5.6	-5.0	6.33	6.33	6.32	6.32	6.31	6.31
	-3.7	-3.0	6.65	6.65	6.64	6.64	6.63	6.63
	-0.7	0.0	7.13	7.13	7.12	7.12	7.11	6.71
	2.2	3.0	7.53	7.53	7.52	7.52	7.35	6.71
	4.1	5.0	7.77	7.77	7.76	7.76	7.35	6.71
	6.0	7.0	8.01	8.01	8.00	7.76	7.35	6.71
	7.9	9.0	8.25	8.25	8.00	7.76	7.36	6.72
	9.8	11.0	8.49	8.49	8.00	7.76	7.36	6.72
80	11.8	13.0	8.81	8.65	8.00	7.76	7.37	6.73
	13.7	15.0	9.05	8.65	8.00	7.76	7.37	6.73
	-15.0	-14.7	5.68	5.68	5.67	5.67	5.66	5.66
	-13.0	-12.6	6.04	6.04	6.03	6.03	6.02	6.02
	-11.0	-10.5	6.31	6.31	6.30	6.30	6.29	6.29
	-10.0	-9.5	6.58	6.58	6.57	6.57	6.56	6.56
	-9.1	-8.5	6.76	6.76	6.75	6.75	6.74	6.74
	-7.6	-7.0	6.85	6.85	6.84	6.84	6.83	6.83
	-5.6	-5.0	7.12	7.12	7.11	7.11	7.10	7.10
	-3.7	-3.0	7.48	7.48	7.47	7.47	7.46	7.46
	-0.7	0.0	8.02	8.02	8.01	8.01	8.00	7.55
	2.2	3.0	8.47	8.47	8.46	8.46	8.27	7.55
	4.1	5.0	8.74	8.74	8.73	8.73	8.27	7.55
	6.0	7.0	9.01	9.01	9.00	8.73	8.27	7.55
	7.9	9.0	9.28	9.28	9.00	8.73	8.28	7.56
	9.8	11.0	9.56	9.56	9.00	8.73	8.28	7.56
	11.8	13.0	9.91	9.73	9.00	8.73	8.29	7.57
	13.7	15.0	10.18	9.73	9.00	8.73	8.29	7.57

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	kW	kW	kW	kW	kW	kW
90	-15.0	-14.7	6.31	6.31	6.30	6.30	6.29	6.29
	-13.0	-12.6	6.71	6.71	6.70	6.70	6.69	6.69
	-11.0	-10.5	7.01	7.01	7.00	7.00	5.99	5.99
	-10.0	-9.5	7.31	7.31	7.30	7.30	7.29	7.29
	-9.1	-8.5	7.51	7.51	7.50	7.50	7.49	7.49
	-7.6	-7.0	7.61	7.61	7.60	7.60	7.59	7.59
	-5.6	-5.0	7.91	7.91	7.90	7.90	7.89	7.89
	-3.7	-3.0	8.31	8.31	8.30	8.30	8.29	8.29
	-0.7	0.0	8.91	8.91	8.90	8.90	8.89	8.39
	2.2	3.0	9.41	9.41	9.40	9.40	9.19	8.39
	4.1	5.0	9.69	9.69	9.70	9.70	9.19	8.39
	6.0	7.0	10.01	10.00	10.00	9.70	9.20	8.40
	7.9	9.0	10.31	10.31	10.00	9.70	9.20	8.40
	9.8	11.0	10.59	10.59	10.00	9.70	9.20	8.40
	11.8	13.0	11.01	10.81	10.00	9.70	9.21	8.41
	13.7	15.0	11.31	10.81	10.00	9.70	9.21	8.41
100	-15.0	-14.7	6.94	6.94	6.93	6.93	6.92	6.92
	-13.0	-12.6	7.38	7.38	7.37	7.37	7.36	7.36
	-11.0	-10.5	7.71	7.71	7.70	7.70	7.69	7.69
	-10.0	-9.5	8.04	8.04	8.03	8.03	8.02	8.02
	-9.1	-8.5	8.26	8.26	8.25	8.25	8.24	8.24
	-7.6	-7.0	8.37	8.37	8.36	8.36	8.35	8.35
	-5.6	-5.0	8.70	8.70	8.69	8.69	8.68	8.68
	-3.7	-3.0	9.14	9.14	9.13	9.13	9.12	9.12
	-0.7	0.0	9.80	9.80	9.79	9.79	9.78	9.23
	2.2	3.0	10.35	10.35	10.34	10.34	10.12	9.23
	4.1	5.0	10.68	10.68	10.67	10.67	10.12	9.23
	6.0	7.0	11.01	11.00	11.00	10.67	10.12	9.24
	7.9	9.0	11.34	11.34	11.00	10.67	10.12	9.24
	9.8	11.0	11.67	11.67	11.00	10.67	10.12	9.24
	11.8	13.0	12.11	11.89	11.00	10.67	10.13	9.25
	13.7	15.0	12.44	11.89	11.00	10.67	10.13	9.25
112	-15.0	-14.7	7.89	7.89	7.88	7.88	7.87	7.87
	-13.0	-12.6	8.39	8.39	8.38	8.38	8.37	8.37
	-11.0	-10.5	8.76	8.76	8.75	8.75	8.74	8.74
	-10.0	-9.5	9.14	9.14	9.13	9.13	9.12	9.12
	-9.1	-8.5	9.39	9.39	9.38	9.38	9.37	9.37
	-7.6	-7.0	9.51	9.51	9.50	9.50	9.49	9.49
	-5.6	-5.0	9.89	9.89	9.88	9.88	9.87	9.87
	-3.7	-3.0	10.39	10.39	10.38	10.38	10.37	10.37
	-0.7	0.0	11.14	11.14	11.13	11.13	11.12	10.49
	2.2	3.0	12.76	12.76	12.75	12.75	11.49	10.49
	4.1	5.0	12.14	12.14	12.13	12.13	11.49	10.49
	6.0	7.0	12.51	12.51	12.50	12.13	11.50	10.50
	7.9	9.0	12.89	12.89	12.50	12.13	11.50	10.50
	9.8	11.0	13.26	13.26	12.50	12.13	11.50	10.50
	11.8	13.0	13.76	13.51	12.50	12.13	11.51	10.51
	13.7	15.0	14.14	13.51	12.50	12.13	11.51	10.51

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

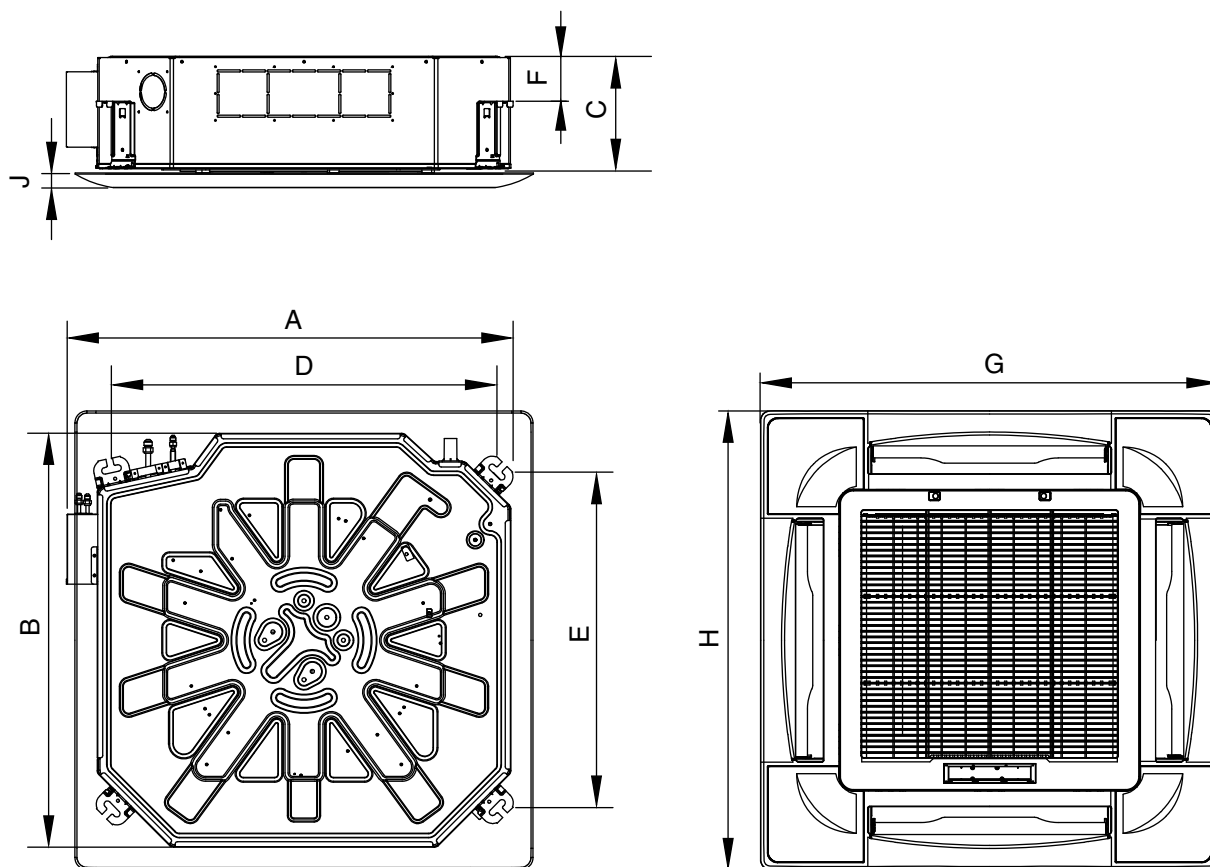
All Fresh Air Unit

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	kW	kW	kW	kW	kW	kW
125	-15.0	-14.7	8.52	8.52	8.52	8.51	8.50	8.50
	-13.0	-12.6	9.06	9.06	9.06	9.05	9.04	9.04
	-11.0	-10.5	9.46	9.46	9.46	9.45	9.44	9.44
	-10.0	-9.5	9.87	9.87	9.87	9.86	9.85	9.85
	-9.1	-8.5	10.14	10.14	10.14	10.13	10.12	10.12
	-7.6	-7.0	10.27	10.27	10.27	10.26	10.25	10.25
	-5.6	-5.0	10.68	10.68	10.68	10.67	10.66	10.66
	-3.7	-3.0	11.22	11.22	11.22	11.21	11.20	11.20
	-0.7	0.0	12.03	12.03	12.03	12.02	12.00	11.33
	2.2	3.0	12.70	12.70	12.70	12.69	12.41	11.33
	4.1	5.0	13.31	13.31	13.11	13.10	12.41	11.33
	6.0	7.0	14.05	14.05	14.00	13.60	12.82	11.64
	7.9	9.0	14.50	14.50	14.32	13.90	13.12	11.94
	9.8	11.0	15.05	15.00	14.52	14.10	13.42	12.34
	11.8	13.0	15.56	15.53	14.59	14.30	13.63	12.35
140	13.7	15.0	15.97	15.79	14.79	14.30	13.63	12.35
	-15.0	-14.7	9.46	9.46	9.45	9.45	9.44	9.44
	-13.0	-12.6	10.06	10.06	10.05	10.05	10.04	10.04
	-11.0	-10.5	10.51	10.51	10.50	10.50	10.49	10.49
	-10.0	-9.5	10.96	10.96	10.95	10.95	10.94	10.94
	-9.1	-8.5	11.26	11.26	11.25	11.25	11.24	11.24
	-7.6	-7.0	11.41	11.41	11.40	11.40	11.39	11.39
	-5.6	-5.0	11.86	11.86	11.85	11.85	11.84	11.84
	-3.7	-3.0	12.46	12.46	12.45	12.45	12.44	12.44
	-0.7	0.0	13.36	13.36	13.35	13.35	13.34	12.59
	2.2	3.0	14.11	14.11	14.10	14.10	13.79	12.59
	4.1	5.0	14.56	14.56	14.55	14.55	13.79	12.59
	6.0	7.0	15.01	15.01	15.00	14.55	13.80	12.60
	7.9	9.0	15.46	15.46	15.00	14.55	13.80	12.60
	9.8	11.0	15.91	15.91	15.00	14.55	13.80	12.60
	11.8	13.0	16.51	16.21	15.00	14.55	13.81	12.61
	13.7	15.0	16.96	16.21	15.00	14.55	13.81	12.61

Remarks:

1. This unit design and executive standard GB/T 18837-2015.
2. The above-said indoor unit capacity test conditions: refrigerant piping equivalent length is of 5 meters; falling is 0 m.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.
4. TH: Total heating capacity

# 5 Dimensions Drawings



The unit is mm

Indoor Unit model	Body dimension			Mounting dimensions			Panel dimension		
	A	B	C	D	E	F	G	H	J
MWC028~080	900	833	232	776	684	91	950	950	50
MWC090~140	900	833	286	776	684	150	950	950	50

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

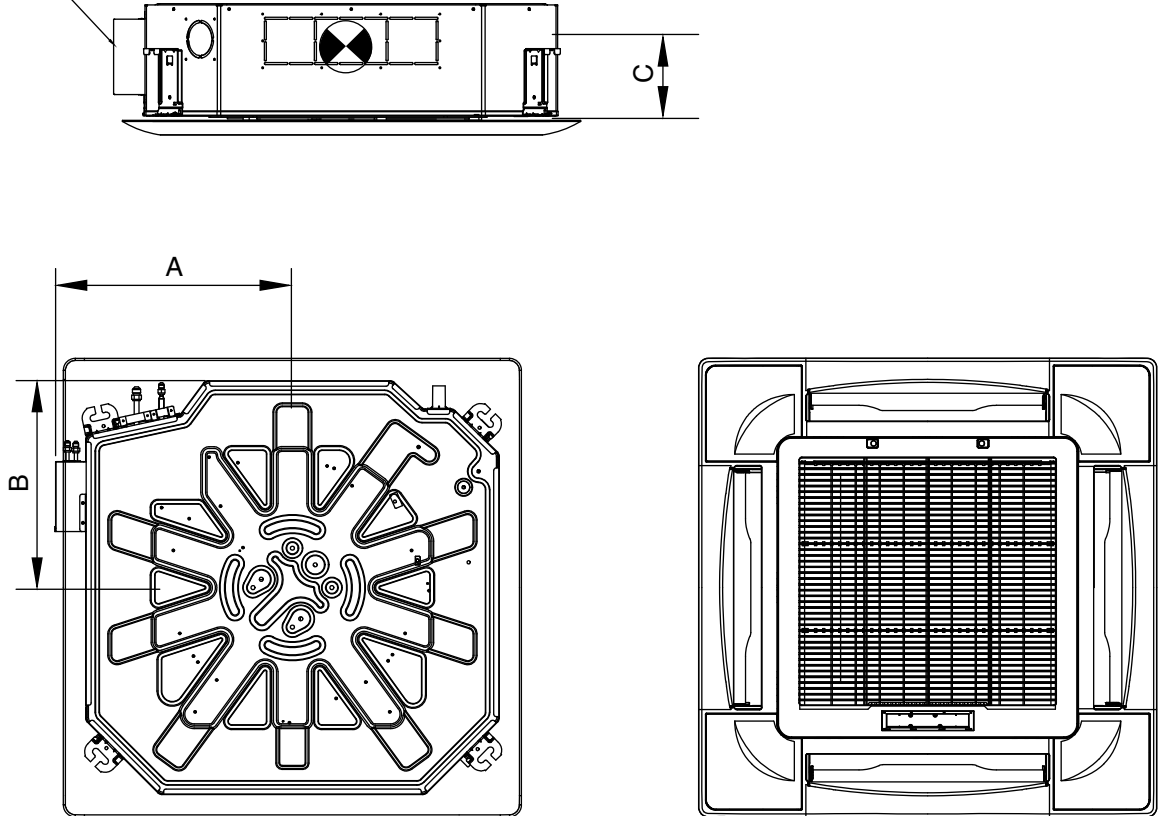
Floor Ceiling  
Unit

All Fresh Air  
Unit



## 6 Center of Gravity

Electronic expansion valve



The unit is mm

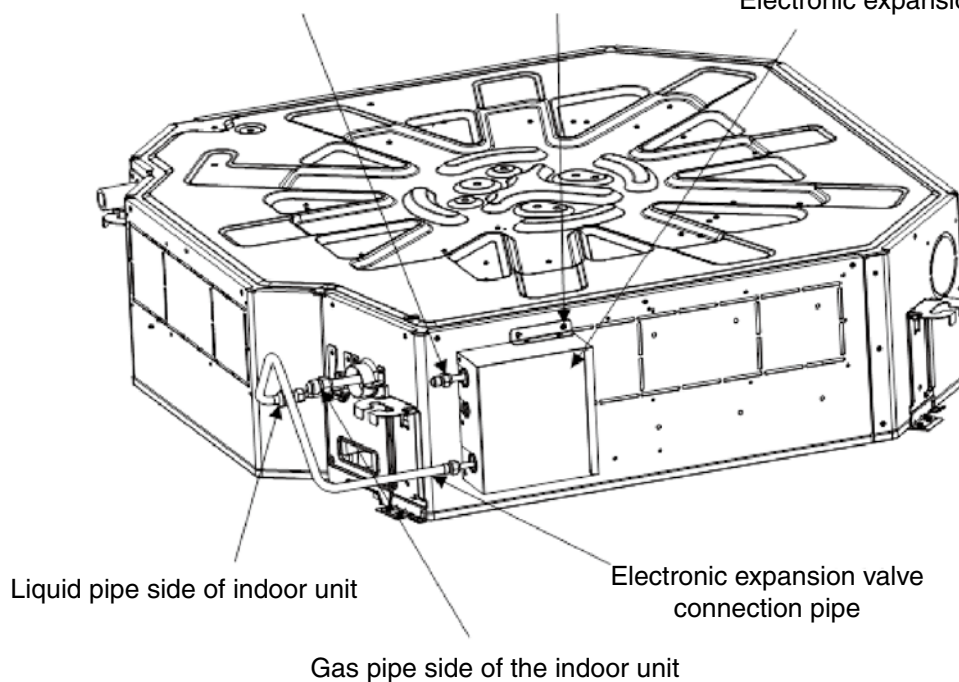
Indoor Unit model	Gravity center dimension		
	A	B	C
MWC028~080	450	416	150
MWC090~140	450	416	180

## 7 Pipe Connection

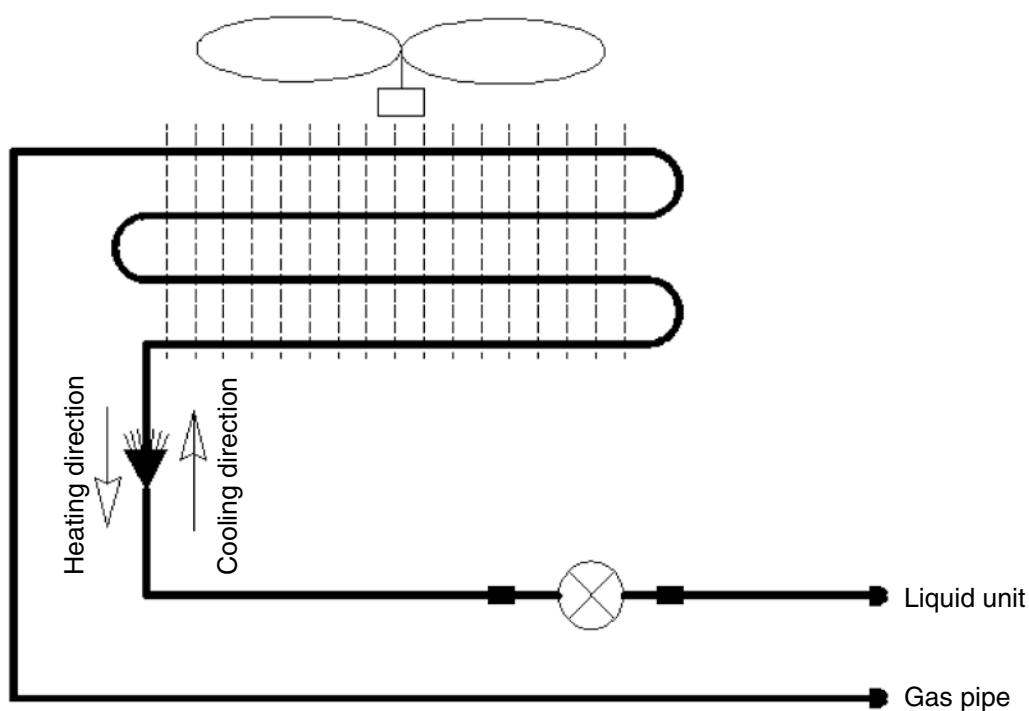
This terminal is connected to the liquid pipe side of outdoor unit

Fixing screws

Electronic expansion valve



## 8 Piping Diagram



Model	MWC028AMN	MWC036~056AMN	MWC071~080AMN	MWC090~140AMN
Liquid pipe	$\Phi 6.35$ (flaring connection)		$\Phi 9.52$ (flaring connection)	
Gas pipe	$\Phi 9.52$ (flaring connection)	$\Phi 12.7$ (flaring connection)	$\Phi 15.88$ (flaring connection)	

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

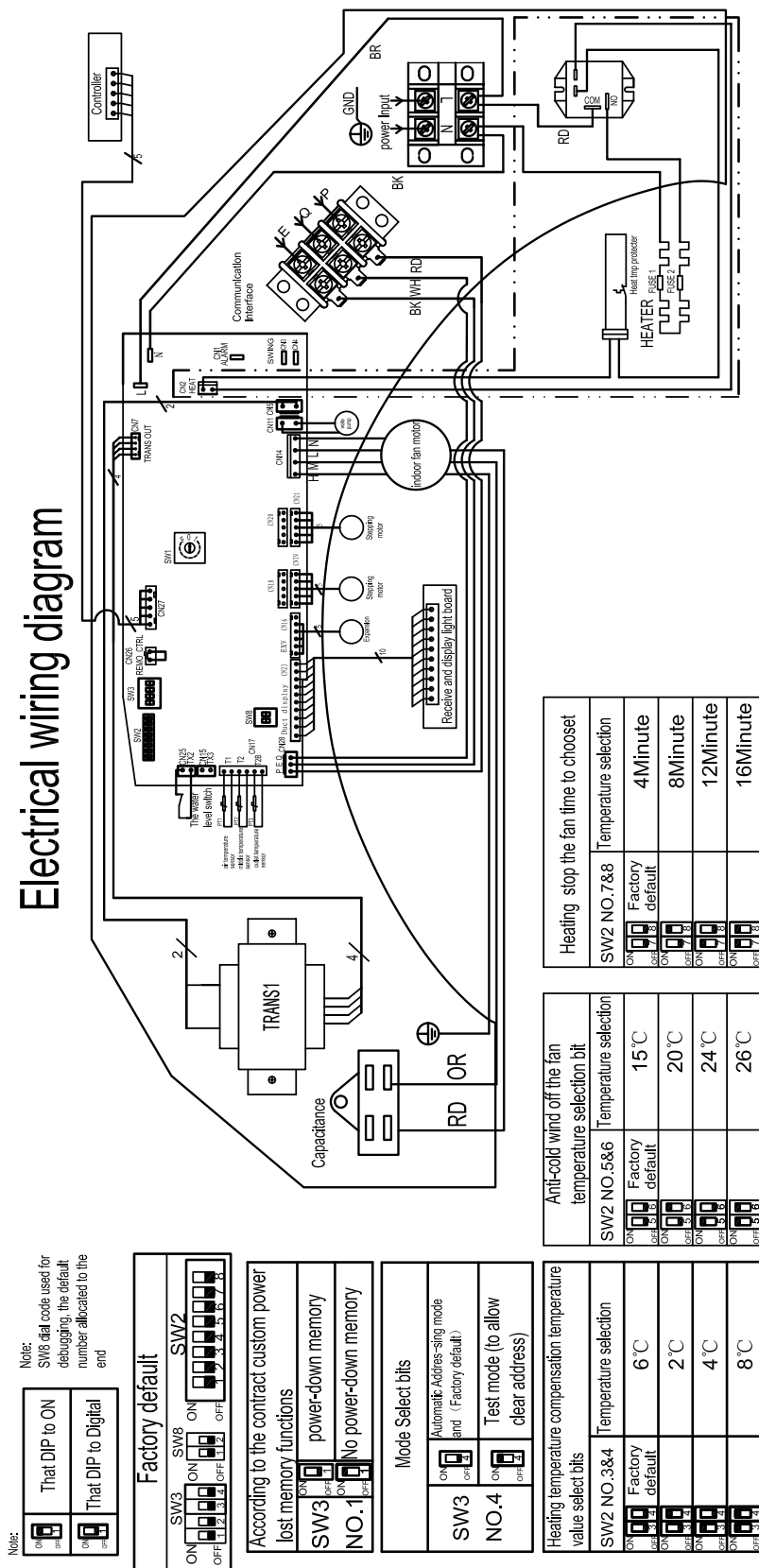
Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## 9 Electrical Wiring Diagram

### 9-1. AC 4-way cassette unit circuit diagram

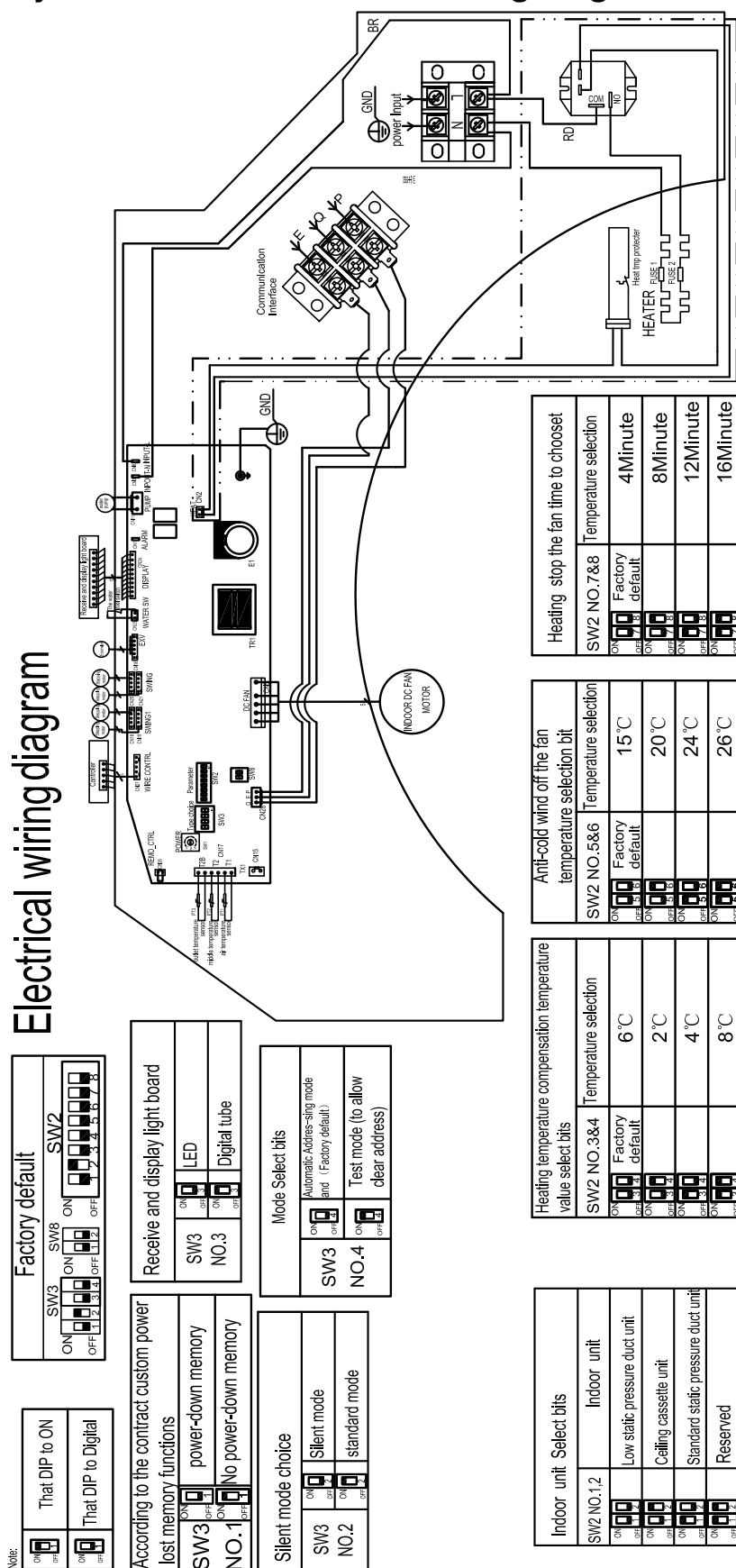


Note1: The dotted line in order to increase the electric heating of materials used.  
Note: Not specified dial code, the default allocated to the digital side.

#### Remarks:

- Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings;
- Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice;

## 9-2. DC 4-way cassette unit electrical wiring diagram

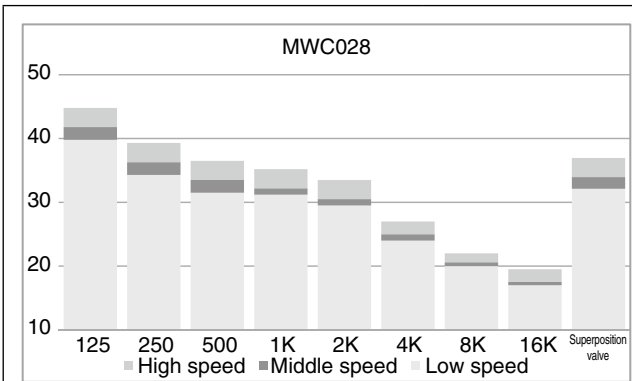


Note: 1, the dotted line in order to increase the electric heating of materials used.

### Remarks:

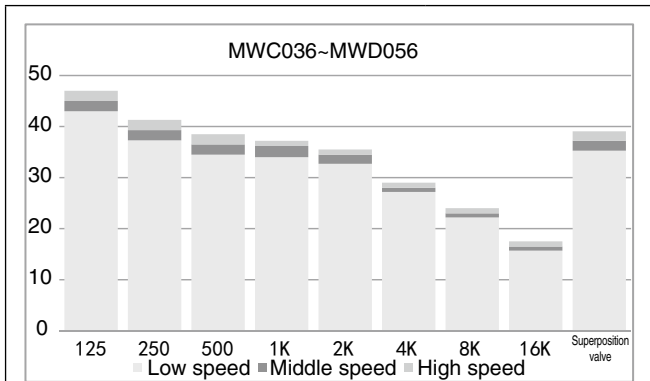
- Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings;
- Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice;

## 10 Sound Data



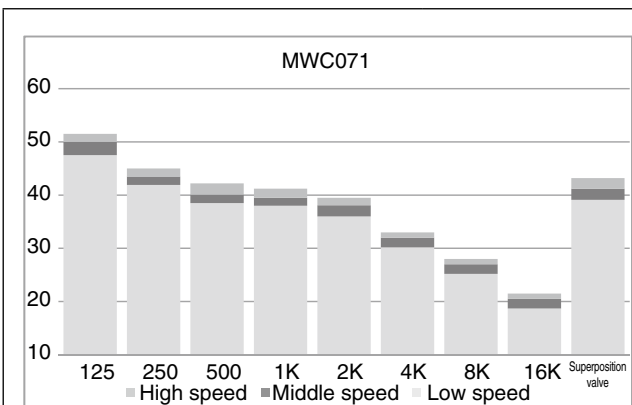
Description:

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



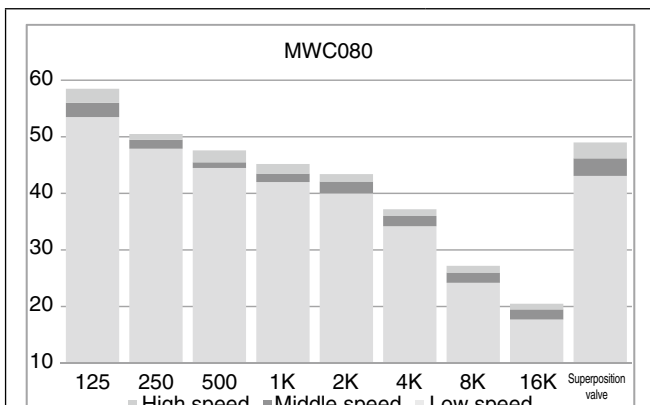
Description:

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



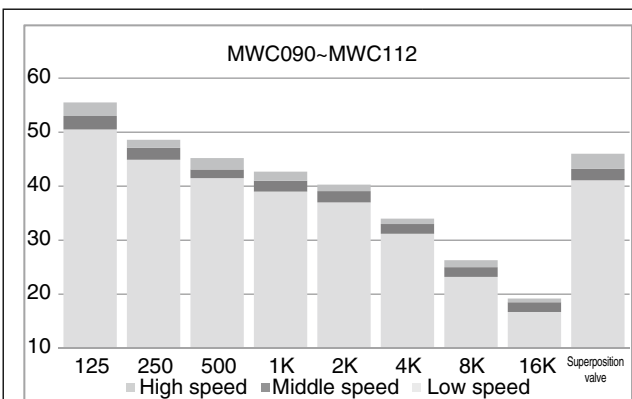
Description:

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



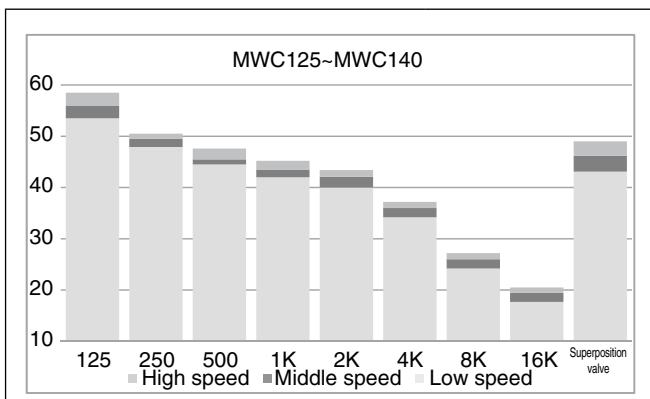
Description:

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



Description:

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



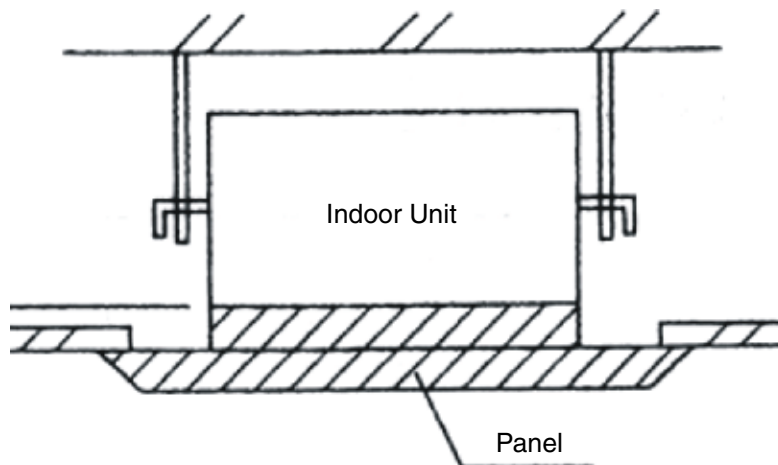
Description:

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.

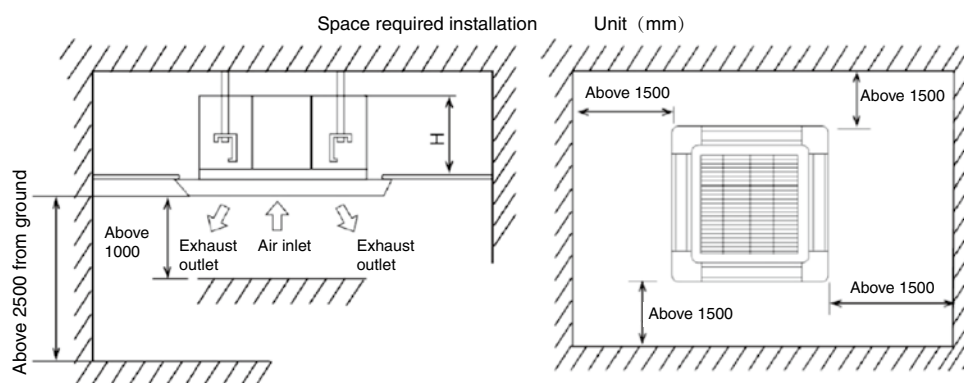


## 11 Installation

1. Hoisting method is used for 4-way cassette unit, as shown below



2. Schematic of installation space



Model	H
MWC028~080AMN	232
MWC090~140AMN	286

Remark:

- 1.The body must be securely installed, and the body should be maintain horizontally, or it may cause water leakage.
- 2.The installation of the unit must be added to the repair port.
- 3.The repair port size is about 500x500mm; the position is as close as possible to the piping and the side of the electric control box.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

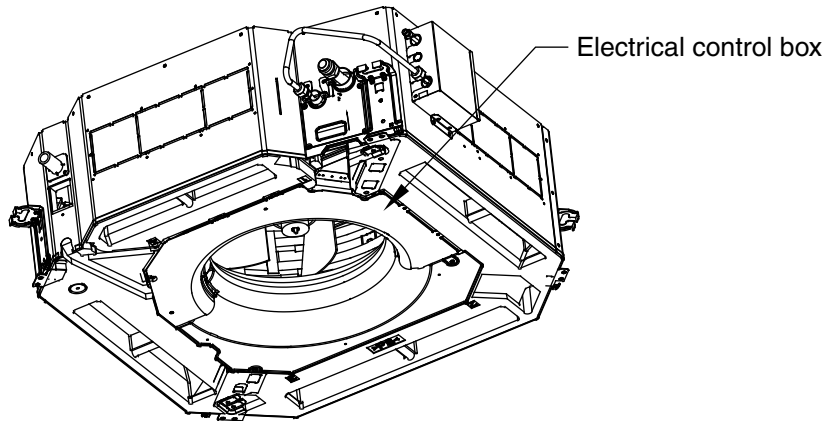
Wall-mounted  
Unit

Floor Ceiling  
Unit

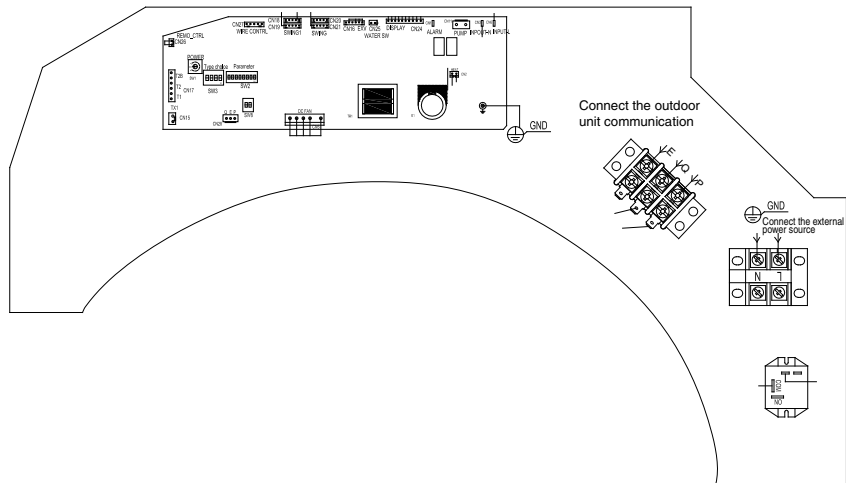
All Fresh Air  
Unit

## 12 Electrical Box Connection

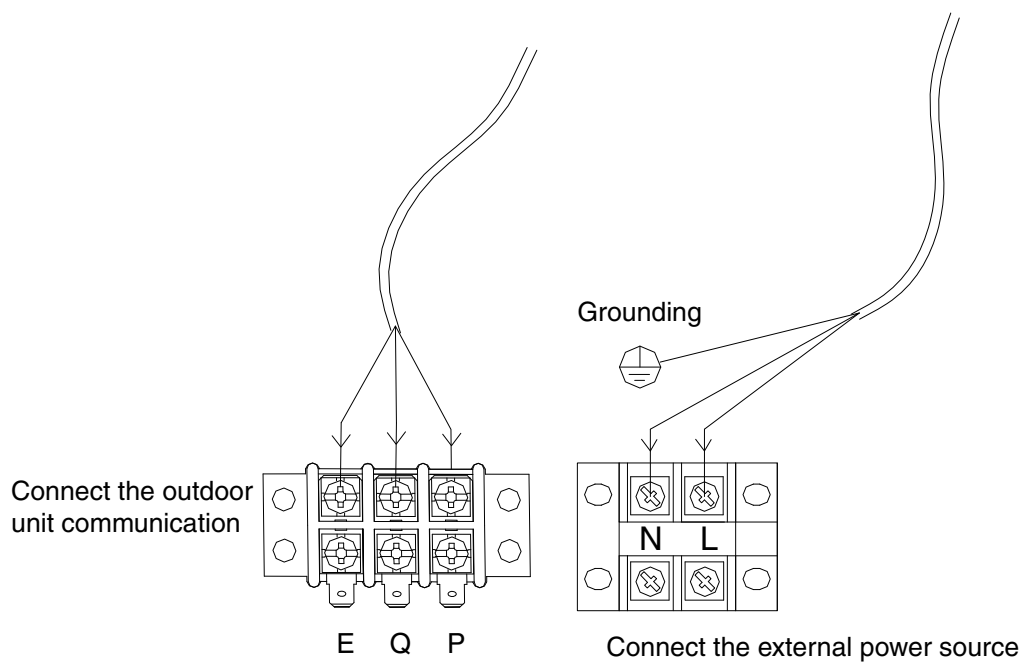
1. Take down the electronic control box cover pointed by the arrows as shown



2. Refer to the following electrical layout



3. As shown below, connect the power line and the indoor and outdoor communication lines respectively



Remark: Due to continuous product updates and progress, the actual objects may differ from the wiring diagram; it is subject to the actual goods without prior notice.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

All Fresh Air  
Unit

# Slim Duct Unit



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# 1 Technical Specifications

## 1-1. AC slim duct

Indoor units Model Specifications				MWD022AMLNAB MWD022AMLNBB MWD022AMLNCB		MWD025AMLNAB MWD025AMLNBB MWD025AMLNCB		MWD028AMLNAB MWD028AMLNBB MWD028AMLNCB	
Cooling capacity			kW	2.2		2.5		2.8	
Heating capacity			kW	2.5		2.8		3.2	
Rated input power		Cooling	kW	0.05		0.05		0.05	
		Heating	kW	0.05		0.05		0.05	
Material				Galvanized steel sheet with insulation materials					
Size	Unit	Lengthx WidthxHeight	mm	814×476×210					
Weight	Unit		kg	16		16		16	
Installation space			mm						
Heat exchanger	Fin type			Hydrophilic					
Fans	Type			Centrifugal fan					
	Quantity			1					
	Airflow	Cooling/ Heating	High	m³/h	450				
			Middle	m³/h	300				
			Low	m³/h	200				
	Static pressure		Pa		0/30				
Motor	Quantity			1					
	Rotate speed	Cooling/ Heating	High	rpm	840				
			Middle	rpm	640				
			Low	rpm	540				
	Power (high speed)		w		50				
	Drive mode			AC drive					
Noise	Cooling/ Heating	High	dBA	29					
		Middle	dBA	27					
		Low	dBA	24					
Refrigerant	Type			R410a					
	Flow control			Electronic expansion valve					
Connecting pipe	Gas pipe	Connection method		Flaring connection					
		Pipe diameter	mm	Φ9.52					
	Liquid pipe	Connection method		Flaring connection					
		Pipe diameter	mm	Φ6.35					
	Drain pipe	Size (OD)		DN25					
		Drain-up height	mm	700*					
Air Filer				ABS filter grille					
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate. 4. *Only available for model with pump.					

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## Technical Specifications

Indoor units Model Specifications				MWD032AMLNAB MWD032AMLNBB MWD032AMLNCB		MWD036AMLNAB MWD036AMLNBB MWD036AMLNCB		MWD040AMLNAB MWD040AMLNBB MWD040AMLNCB		
Cooling capacity			kW	3.2		3.6		4.0		
Heating capacity			kW	3.5		4.0		4.5		
Rated input power		Cooling	kW	0.07		0.07		0.07		
		Heating	kW	0.07		0.07		0.07		
Material				Galvanized steel sheet with insulation materials						
Size	Unit	Lengthx WidthxHeight	mm	814x476x210						
Weight	Unit			kg	16		16		16	
Installation space			mm							
Heat exchanger	Fin type			Hydrophilic						
Fans	Type			Centrifugal fan						
	Quantity			1						
	Airflow	Cooling/ Heating	High	m³/h	550			620		
			Middle	m³/h	400			480		
			Low	m³/h	300			350		
	Static pressure		Pa		0/30					
Motor	Quantity			1						
	Rotate speed	Cooling/ Heating	High	rpm	950			1180		
			Middle	rpm	750			1080		
			Low	rpm	650			980		
	Power (high speed)		w		70					
	Drive mode			AC drive						
Noise	Cooling/ Heating	High	dBA	32			36			
		Middle	dBA	29			33			
		Low	dBA	25			30			
Refrigerant	Type			R410a						
	Flow control			Electronic expansion valve						
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ12.7						
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ6.35						
	Drain pipe	Size (OD)		DN25						
		Drain-up height	mm	700*						
Air Filter				ABS filter grille						
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate. 4. *Only available for model with pump.						



Indoor units Model				MWD045AMLNAB MWD045AMLNBB MWD045AMLNCB		MWD050AMLNAB MWD050AMLNBB MWD050AMLNCB		MWD056AMLNAB MWD056AMLNBB MWD056AMLNCB		
Specifications										
Cooling capacity			kW	4.5		5.0		5.6		
Heating capacity			kW	5.0		5.6		6.3		
Rated input power		Cooling	kW	0.075		0.1				
		Heating	kW	0.075		0.1		0.1		
Material				Galvanized steel sheet with insulation materials						
Size	Unit	Length× Width×Height	mm	814×476×210		1010×476×210				
Weight	Unit		kg	16		21.5		21.5		
Installation space			mm							
Heat exchanger	Fin type			Hydrophilic						
Fans	Type			Centrifugal fan						
	Quantity			1						
	Airflow	Cooling/ Heating	High	m³/h	620		800			
			Middle	m³/h	480		600			
			Low	m³/h	350		450			
	Static pressure		Pa		0/30					
Motor	Quantity			1						
	Rotate speed	Cooling/ Heating	High	rpm	1180		1040			
			Middle	rpm	1080		840			
			Low	rpm	980		720			
	Power (high speed)		w		75		100			
	Drive mode			AC drive						
Noise	Cooling/ Heating	High	dBA	37		38				
		Middle	dBA	35		33				
		Low	dBA	32		28				
Refrigerant	Type			R410a						
	Flow control			Electronic expansion valve						
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ12.7						
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ6.35						
	Drain pipe	Size (OD)		DN25						
		Drain-up height	mm	700*						
Air Filer				ABS filter grille						
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate. 4. *Only available for model with pump.						

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor units Model Specifications				MWD063AMLNAB MWD063AMLNBB MWD063AMLNCB		MWD071AMLNAB MWD071AMLNBB MWD071AMLNCB			
Cooling capacity			kW		6.3		7.1		
Heating capacity			kW		7.1		8.0		
Rated input power	Cooling		kW		0.11		0.11		
	Heating		kW		0.11		0.11		
Appearance	Material				Galvanized steel sheet with insulation materials				
Size	Unit	Lengthx WidthxHeight		mm		1214×476×210			
Weight	Unit			kg		26		26	
Heat exchanger	Fin type				Hydrophilic				
Fans	Type				Centrifugal fan				
	Quantity				1				
	Airflow	Cooling/ Heating	High	m³/h		1000			
			Middle	m³/h		800			
			Low	m³/h		600			
	Static pressure		Pa		0/30				
Motor	Quantity				1				
	Rotate speed	Cooling/ Heating	High	rpm		1210			
			Middle	rpm		1040			
			Low	rpm		900			
	Power (high speed)		w		110				
	Drive mode				AC drive				
Noise	Cooling/ Heating	High	dBA		39				
		Middle	dBA		34				
		Low	dBA		30				
Refrigerant	Type				R410a				
	Flow control				Electronic expansion valve				
Connecting pipe	Gas pipe	Connection method		Flaring connection					
		Pipe diameter	mm		Φ15.88				
	Liquid pipe	Connection method		Flaring connection					
		Pipe diameter	mm		Φ9.52				
	Drain pipe	Size (OD)		DN25					
		Drain-up height	mm		700*				
Air Filer					ABS filter grille				
Remarks					1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate. 4. *Only available for model with pump.				

## 1-2. DC slim duct

Indoor units Model				MWD022BMLNAB MWD022BMLNBB MWD022BMLNCB		MWD025BMLNAB MWD025BMLNBB MWD025BMLNCB		MWD028BMLNAB MWD028BMLNBB MWD028BMLNCB			
Specifications											
Cooling capacity			kW		2.2		2.5		2.8		
Heating capacity			kW		2.5		2.8		3.2		
Rated input power		Cooling	kW		0.020						
		Heating	kW		0.020		0.020		0.020		
Material				Galvanized steel sheet with insulation materials							
Size	Unit	Length× Width×Height		mm		814×476×210					
Weight	Unit			kg		16.5		16.5		16.5	
Heat exchanger	Fin type				Hydrophilic						
Fans	Type				Centrifugal fan						
	Quantity				1						
	Airflow	Cooling/ Heating	High	m <sup>3</sup> /h	450						
			Middle	m <sup>3</sup> /h	300						
			Low	m <sup>3</sup> /h	200						
	Static pressure		Pa		0-30		0-30		0-30		
Motor	Quantity				1						
	Rotate speed	Cooling/ Heating	High	rpm	840						
			Middle	rpm	640						
			Low	rpm	540						
	Power (high speed)		w		20						
	Drive mode				DC frequency inverter drive						
Noise	Cooling/ Heating	High	dBA	29							
		Middle	dBA	27							
		Low	dBA	24							
Refrigerant	Type				R410a						
	Flow control				Electronic expansion valve						
Connecting pipe	Gas pipe	Connection method		Flaring connection							
		Pipe diameter	mm	Φ9.52							
	Liquid pipe	Connection method		Flaring connection							
		Pipe diameter	mm	Φ6.35							
	Drain pipe	Size (OD)		DN25							
		Drain-up height	mm	700*							
Air Filer				ABS filter grille							
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate. 4. *Only available for model with pump.							

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor units Model Specifications				MWD032BMLNAB MWD032BMLNBB MWD032BMLNCB		MWD036BMLNAB MWD036BMLNBB MWD036BMLNCB		MWD040BMLNAB MWD040BMLNBB MWD040BMLNCB		
Cooling capacity			kW	3.2		3.6		4.0		
Heating capacity			kW	3.5		4.0		4.5		
Rated input power	Cooling	kW		0.030				0.035		
	Heating	kW		0.030		0.030		0.035		
Material				Galvanized steel sheet with insulation materials						
Size	Unit	Lengthx WidthxHeight	mm	814×476×210						
Weight	Unit		kg	17		17		17		
Heat exchanger	Fin type			Hydrophilic						
Fans	Type			Centrifugal fan						
	Quantity			1						
	Airflow	Cooling/ Heating	High	m³/h	500			620		
			Middle	m³/h	400			480		
			Low	m³/h	300			350		
	Static pressure		Pa		0/30					
Motor	Quantity			1						
	Rotate speed	Cooling/ Heating	High	rpm	950			1180		
			Middle	rpm	750			1080		
			Low	rpm	650			980		
	Power (high speed)		w		30			35		
	Drive mode			DC frequency inverter drive						
Noise	Cooling/ Heating	High	dBA	32			36			
		Middle	dBA	29			33			
		Low	dBA	25			30			
Refrigerant	Type			R410a						
	Flow control			Electronic expansion valve						
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ12.7						
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ6.35						
	Drain pipe	Size (OD)		DN25						
		Drain-up height	mm	700*						
Air Filer				ABS filter grille						
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate. 4. *Only available for model with pump.						

Indoor units Model				MWD045BMLNAB MWD045BMLNBB MWD045BMLNCB		MWD050BMLNAB MWD050BMLNBB MWD050BMLNCB		MWD056BMLNAB MWD056BMLNBB MWD056BMLNCB		
Specifications										
Cooling capacity			kW	4.5		5.0		5.6		
Heating capacity			kW	5.0		5.6		6.3		
Rated input power		Cooling	kW	0.035		0.045				
		Heating	kW	0.035		0.045		0.045		
Material				Galvanized steel sheet with insulation materials						
Size	Unit	Lengthx WidthxHeight	mm	814×476×210		1010×476×210				
Weight	Unit		kg	17		20.5		20.5		
Heat exchanger	Fin type			Hydrophilic						
Fans	Type			Centrifugal fan						
	Quantity			1						
	Airflow	Cooling/ Heating	High	m³/h	620		800			
			Middle	m³/h	480		600			
			Low	m³/h	350		450			
	Static pressure		Pa		0/30					
Motor	Quantity			1						
	Rotate speed	Cooling/ Heating	High	rpm	1180		1040			
			Middle	rpm	1080		840			
			Low	rpm	980		720			
	Power (high speed)		w		35		45			
	Drive mode			DC frequency inverter drive						
Noise	Cooling/ Heating	High	dBA	37		38				
		Middle	dBA	35		33				
		Low	dBA	32		28				
Refrigerant	Type			R410a						
	Flow control			Electronic expansion valve						
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ12.7						
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ6.35						
	Drain pipe	Size (OD)		DN25						
		Drain-up height	mm	700*						
Air Filer				ABS filter grille						
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate. 4. *Only available for model with pump.						

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor units Model Specifications				MWD063BMLNAB MWD063BMLNBB MWD063BMLNCB			MWD071BMLNAB MWD071BMLNBB MWD071BMLNCB			
Cooling capacity			kW	6.3			7.1			
Heating capacity			kW	7.1			8.0			
Rated input power		Cooling	kW	0.055			0.055			
		Heating	kW	0.055			0.055			
Material				Galvanized steel sheet with insulation materials						
Size	Unit	Lengthx WidthxHeight		mm	1214×476×210					
Weight	Unit			kg	25.5			25.5		
Heat exchanger	Fin type				Hydrophilic					
Fans	Type				Centrifugal fan					
	Quantity				1					
	Airflow	Cooling/ Heating	High	m³/h	1000					
			Middle	m³/h	800					
			Low	m³/h	600					
	Static pressure		Pa		0/30					
Motor	Quantity				1					
	Rotate speed	Cooling/ Heating	High	rpm	1210					
			Middle	rpm	1040					
			Low	rpm	900					
	Power (high speed)		w		55					
	Drive mode				DC frequency inverter drive					
Noise	Cooling/ Heating	High	dBA	39						
		Middle	dBA	34						
		Low	dBA	30						
Refrigerant	Type				R410a					
	Flow control				Electronic expansion valve					
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ15.88						
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ9.52						
	Drain pipe	Size (OD)		DN25						
		Drain-up height	mm	700*						
Air Filer				ABS filter grille						
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate. 4. *Only available for model with pump.						



## 2 Electrical Data

### 2-1. AC slim duct

Indoor unit model	Power supply					Running current	
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated current	Fusing current
MWD022AMLN**	AC	50Hz	220V	-10%	+10%	0.2A	5A
MWD025AMLN**						0.2A	5A
MWD028AMLN**						0.2A	5A
MWD032AMLN**						0.3A	5A
MWD036AMLN**						0.3A	5A
MWD040AMLN**						0.3A	5A
MWD045AMLN**						0.3A	5A
MWD050AMLN**						0.5A	5A
MWD056AMLN**						0.5A	5A
MWD063AMLN**						0.5A	5A
MWD071AMLN**						0.5A	5A

Remark:

1. "\*" indicates that some model codes are omitted behind, but these codes do not affect the data in this form, as long as the model codes in front matches together, then the relevant data in the form can be applied.
2. Fusing current refers to the motherboard fusing current, excluding electric heating current.

### 2-2. DC silm duct

Indoor unit model	Power supply					Running current	
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated current	Fusing current
MWD022BMLN**	AC	50Hz	220V	-10%	+10%	0.1A	5A
MWD025BMLN**						0.1A	5A
MWD028BMLN**						0.1A	5A
MWD032BMLN**						0.1A	5A
MWD036BMLN**						0.1A	5A
MWD040BMLN**						0.2A	5A
MWD045BMLN**						0.2A	5A
MWD050BMLN**						0.2A	5A
MWD056BMLN**						0.2A	5A
MWD063BMLN**						0.3A	5A
MWD071BMLN**						0.3A	5A

Remark:

1. "\*" indicates that some model codes are omitted behind, but these codes do not affect the data in this form, as long as the model codes in front matches together, then the relevant data in the form can be applied.
2. Fusing current refers to the motherboard fusing current, excluding electric heating current.

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

### 3 Accessories Details

Name	Quantity
Accessory bag 1	
Wired controller	1 pcs
Wired controller connection line	1 pcs
Certificate	1 pcs
Wired controller warning identification	1 pcs
Instructions	1 pcs
Accessory bag 2	
High-pressure single-joint thermal insulation pipe	1 pcs
Low-pressure single-joint thermal insulation pipe	1 pcs
ribbon	6 pcs
Fork shaped pre-insulated terminal	3 pcs
Round shaped pre-insulated terminal	6 pcs
Other	
Electronic expansion valve connection pipe	1 pic

Note:

1. Warranty card is put in the accessory bag of outdoor unit.
2. Due to continuous product updates and progress, the actual accessories included may vary, so it is subject to the actual goods without further notice.

## 4 Capacity Tables

### 4-1. Cooling capacity tables

Indoor unit capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
22	10.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	3.0	1.7
	12.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.9	1.6
	14.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.9	1.6
	16.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.9	1.6
	18.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.9	1.6
	20.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.8	1.5
	21.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.8	1.5
	23.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.6	1.6	2.8	1.5
	25.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.6	1.6	2.7	1.5
	27.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.6	1.6	2.7	1.5
	29.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.5	1.5	2.6	1.5
	31.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.5	1.5	2.6	1.5
25	33.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.5	1.5	2.5	1.5
	35.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.4	1.5	2.5	1.5
	37.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.4	1.5	2.4	1.5
	39.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.5	2.4	1.5
	10.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.5	2.0
	12.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.2	1.9
	14.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.2	1.8
	16.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.2	1.8
	18.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.1	1.8
	20.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.1	1.8
	21.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.1	1.8
	23.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.9	1.8	3.1	1.8
28	25.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.9	1.8	3.1	1.8
	27.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.9	1.8	3.0	1.7
	29.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.9	1.8	3.0	1.8
	31.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.9	1.7	2.9	1.7
	33.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.8	1.7	2.8	1.7
	35.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.8	1.7	2.8	1.6
	37.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.6	1.8	2.8	1.7	2.7	1.6
	39.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.6	1.7	2.7	1.7	2.7	1.6
	10.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.8	2.2
	12.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.7	2.1
	14.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.7	2.1
	16.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.6	2.1
32	18.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.6	2.1
	20.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.5	2.1
	21.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.5	2.1
	23.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.1	3.5	2.1
	25.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.3	2.1	3.4	2.0
	27.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.3	2.1	3.4	2.0
	29.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.2	2.0	3.3	1.9
	31.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.2	2.0	3.3	1.9
	33.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.2	2.0	3.2	1.9
	35.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.0	3.1	2.0	3.2	1.9
	37.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.0	3.1	2.0	3.1	1.8
	39.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.0	3.1	2.0	3.1	1.8

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor unit capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
32	10.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	4.2	2.4
	12.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	4.1	2.3
	14.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	4.1	2.3
	16.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	4.0	2.3
	18.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	4.0	2.3
	20.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	3.9	2.3
	21.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	3.9	2.3
	23.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.3	3.9	2.3
	25.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.7	2.3	3.8	2.2
	27.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.7	2.3	3.8	2.2
	29.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.6	2.2	3.7	2.1
	31.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.6	2.2	3.7	2.1
	33.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.6	2.2	3.6	2.1
	35.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.3	2.3	3.5	2.2	3.6	2.1
	37.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.3	2.3	3.5	2.2	3.5	2.0
	39.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.3	2.3	3.5	2.1	3.5	2.0
36	10.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.8	2.7
	12.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.8	2.7
	14.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.7	2.6
	16.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.6	2.6
	18.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.6	2.6
	20.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.5	2.5
	21.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.5	2.5
	23.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.2	2.5	4.4	2.4
	25.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.2	2.5	4.3	2.4
	27.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.1	2.4	4.3	2.4
	29.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.1	2.4	4.2	2.4
	31.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.0	2.4	4.2	2.4
	33.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.0	2.4	4.0	2.3
	35.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.0	2.3	4.0	2.3
	37.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.5	3.9	2.3	4.0	2.3
	39.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.5	3.9	2.3	3.9	2.3
40	10.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.6	3.2
	12.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.2	3.0
	14.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.1	2.9
	16.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.1	2.9
	18.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.0	2.9
	20.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.0	2.9
	21.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.0	2.9
	23.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.7	2.9	4.9	2.8
	25.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.7	2.9	4.9	2.8
	27.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.6	2.9	4.8	2.8
	29.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.6	2.8	4.8	2.8
	31.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.6	2.8	4.6	2.7
	33.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.5	2.8	4.5	2.6
	35.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.5	2.8	4.4	2.6
	37.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.2	2.8	4.4	2.7	4.4	2.5
	39.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.1	2.8	4.4	2.7	4.3	2.5
45	10.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	6.0	3.3
	12.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	6.0	3.3
	14.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.9	3.3
	16.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.7	3.2
	18.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.8	3.3
	20.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.8	3.3
	21.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.7	3.3
	23.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.6	3.2
	25.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.3	3.3	5.5	3.2
	27.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.2	3.2	5.3	3.0
	29.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.2	3.2	5.3	3.0
	31.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.1	3.1	5.2	2.9
	33.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.0	3.1	5.2	2.9
	35.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	4.9	3.0	5.1	2.9
	37.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	4.9	3.1	5.0	2.8
	39.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.7	3.1	4.8	3.1	4.9	2.8

Indoor unit capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
50	10.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	7.0	4.0
	12.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	6.5	3.8
	14.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	6.4	3.7
	16.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	6.3	3.7
	18.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	6.3	3.6
	20.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	6.3	3.6
	21.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	6.2	3.6
	23.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	5.9	3.6	6.2	3.5
	25.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	5.8	3.6	6.1	3.5
	27.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	5.8	3.6	6.0	3.5
	29.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	5.8	3.5	6.0	3.5
	31.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	5.7	3.5	5.8	3.3
	33.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	5.6	3.5	5.6	3.3
	35.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.3	3.6	5.6	3.4	5.5	3.3
	37.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.2	3.5	5.5	3.4	5.4	3.2
	39.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.1	3.5	5.5	3.4	5.4	3.2
56	10.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.4	3.9
	12.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.3	3.8
	14.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.2	3.8
	16.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.1	3.7
	18.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.9	3.7
	20.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.8	3.6
	21.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.7	3.6
	23.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.7	3.5
	25.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.6	3.5
	27.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.5	3.8	6.5	3.5
	29.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.4	3.8	6.5	3.6
	31.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.3	3.7	6.3	3.4
	33.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.3	3.7	6.3	3.4
	35.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.1	3.6	6.1	3.4
	37.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.0	3.5	6.1	3.4
	39.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	5.8	3.7	5.9	3.5	6.1	3.4
63	10.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	8.8	5.1
	12.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	8.2	4.7
	14.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	8.0	4.6
	16.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	8.0	4.6
	18.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	7.9	4.6
	20.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	7.9	4.6
	21.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	7.8	4.5
	23.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.4	4.6	7.8	4.4
	25.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.4	4.6	7.7	4.4
	27.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.3	4.5	7.6	4.4
	29.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.3	4.4	7.5	4.4
	31.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.2	4.4	7.3	4.2
	33.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.1	4.4	7.1	4.2
	35.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.7	4.5	7.0	4.3	7.0	4.1
	37.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.6	4.4	7.0	4.3	6.9	4.0
	39.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.5	4.4	6.9	4.3	6.8	4.0
71	10.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.3	5.0
	12.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.2	4.9
	14.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.1	4.9
	16.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.0	4.8
	18.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.8	4.7
	20.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.6	4.6
	21.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.5	4.5
	23.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.4	4.5
	25.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.3	4.4
	27.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.2	4.7	8.3	4.5
	29.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.1	4.7	8.2	4.5
	31.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.0	4.6	7.9	4.3
	33.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.9	4.6	7.9	4.3
	35.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.7	4.5	7.8	4.2
	37.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.4	4.8	7.6	4.5	7.7	4.3
	39.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.2	4.7	7.5	4.4	7.7	4.3

## Remarks:

1. The unit design executive standard GB/T 18837-2015.
2. Test conditions of the indoor unit capacity: refrigerant piping equivalent length is of 5 m; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TC: Total Cooling Capacity  
SH: Sensible Heat Capacity

## 4-2. Heating capacity tables

Indoor unit capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH kW	TH kW	TH kW	TH kW	TH kW	TH kW
22	-15.0	-14.7	1.64	1.64	1.63	1.63	1.62	1.62
	-13.0	-12.6	1.74	1.74	1.73	1.73	1.72	1.72
	-11.0	-10.5	1.82	1.82	1.81	1.81	1.80	1.80
	-10.0	-9.5	1.90	1.90	1.89	1.89	1.88	1.88
	-9.1	-8.5	1.95	1.95	1.94	1.94	1.93	1.93
	-7.6	-7.0	1.98	1.98	1.97	1.97	1.96	1.96
	-5.6	-5.0	2.05	2.05	2.04	2.04	2.03	2.03
	-3.7	-3.0	2.16	2.16	2.15	2.15	2.14	2.14
	-0.7	0.0	2.31	2.31	2.30	2.30	2.29	2.16
	2.2	3.0	2.44	2.44	2.46	2.46	2.37	2.16
	4.1	5.0	2.52	2.52	2.48	2.48	2.37	2.16
	6.0	7.0	2.60	2.60	2.50	2.50	2.37	2.16
	7.9	9.0	2.68	2.68	2.50	2.50	2.37	2.16
	9.8	11.0	2.76	2.76	2.50	2.50	2.37	2.16
25	-15.0	-14.7	1.86	1.86	1.85	1.85	1.84	1.84
	-13.0	-12.6	1.98	1.98	1.97	1.97	1.95	1.95
	-11.0	-10.5	2.07	2.07	2.06	2.06	2.05	2.05
	-10.0	-9.5	2.16	2.16	2.15	2.15	2.14	2.14
	-9.1	-8.5	2.22	2.22	2.20	2.20	2.19	2.19
	-7.6	-7.0	2.25	2.25	2.24	2.24	2.23	2.23
	-5.6	-5.0	2.33	2.33	2.32	2.32	2.31	2.31
	-3.7	-3.0	2.45	2.45	2.44	2.44	2.43	2.43
	-0.7	0.0	2.63	2.63	2.61	2.61	2.60	2.45
	2.2	3.0	2.77	2.77	2.73	2.73	2.69	2.45
	4.1	5.0	2.86	2.84	2.79	2.78	2.69	2.45
	6.0	7.0	2.95	2.90	2.80	2.80	2.70	2.45
	7.9	9.0	3.05	3.05	2.89	2.89	2.70	2.45
	9.8	11.0	3.14	3.14	2.94	2.94	2.70	2.45
28	-15.0	-14.7	2.03	2.03	2.02	2.02	2.01	2.01
	-13.0	-12.6	2.15	2.15	2.14	2.14	2.13	2.13
	-11.0	-10.5	2.25	2.25	2.24	2.24	2.23	2.23
	-10.0	-9.5	2.35	2.35	2.34	2.34	2.33	2.33
	-9.1	-8.5	2.41	2.41	2.40	2.40	2.39	2.39
	-7.6	-7.0	2.44	2.44	2.43	2.43	2.42	2.42
	-5.6	-5.0	2.54	2.54	2.53	2.53	2.52	2.52
	-3.7	-3.0	2.67	2.67	2.66	2.66	2.65	2.65
	-0.7	0.0	2.86	2.86	2.85	2.85	2.84	2.68
	2.2	3.0	3.02	3.02	3.01	3.01	2.93	2.68
	4.1	5.0	3.11	3.11	3.10	3.10	2.93	2.68
	6.0	7.0	3.21	3.21	3.20	3.10	2.93	2.68
	7.9	9.0	3.31	3.31	3.20	3.10	2.94	2.69
	9.8	11.0	3.40	3.39	3.20	3.10	2.94	2.69
32	-15.0	-14.7	2.22	2.22	2.21	2.21	2.20	2.20
	-13.0	-12.6	2.36	2.36	2.35	2.35	2.34	2.34
	-11.0	-10.5	2.46	2.46	2.45	2.45	2.44	2.44
	-10.0	-9.5	2.57	2.57	2.56	2.56	2.55	2.55
	-9.1	-8.5	2.64	2.64	2.63	2.63	2.62	2.62
	-7.6	-7.0	2.67	2.67	2.66	2.66	2.65	2.65
	-5.6	-5.0	2.78	2.78	2.77	2.77	2.76	2.76
	-3.7	-3.0	2.92	2.92	2.91	2.91	2.90	2.90
	-0.7	0.0	3.13	3.13	3.12	3.12	3.11	2.93
	2.2	3.0	3.31	3.31	3.29	3.29	3.21	2.93
	4.1	5.0	3.41	3.41	3.40	3.40	3.21	2.93
	6.0	7.0	3.51	3.51	3.50	3.50	3.21	2.93
	7.9	9.0	3.62	3.62	3.50	3.50	3.22	2.94
	9.8	11.0	3.72	3.72	3.50	3.50	3.22	2.94
	11.8	13.0	3.86	3.79	3.50	3.50	3.23	2.95
	13.7	15.0	3.97	3.79	3.50	3.50	3.23	2.95



Indoor unit capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH kW	TH kW	TH kW	TH kW	TH kW	TH kW
36	-15.0	-14.7	2.53	2.53	2.52	2.52	2.51	2.51
	-13.0	-12.6	2.69	2.69	2.68	2.68	2.67	2.67
	-11.0	-10.5	2.81	2.81	2.80	2.80	2.79	2.79
	-10.0	-9.5	2.93	2.93	2.92	2.92	2.91	2.91
	-9.1	-8.5	3.01	3.01	3.00	3.00	2.99	2.99
	-7.6	-7.0	3.05	3.05	3.04	3.04	3.03	3.03
	-5.6	-5.0	3.17	3.17	3.16	3.16	3.15	3.15
	-3.7	-3.0	3.33	3.33	3.32	3.32	3.31	3.31
	-0.7	0.0	3.57	3.57	3.56	3.56	3.55	3.35
	2.2	3.0	3.78	3.78	3.76	3.76	3.67	3.35
	4.1	5.0	3.89	3.89	3.88	3.88	3.67	3.35
	6.0	7.0	4.01	4.01	4.00	3.88	3.68	3.36
	7.9	9.0	4.13	4.12	4.00	3.88	3.68	3.36
	9.8	11.0	4.25	4.24	4.00	3.88	3.68	3.36
40	11.8	13.0	4.41	4.33	4.00	3.88	3.69	3.37
	13.7	15.0	4.53	4.33	4.00	3.88	3.69	3.37
	-15.0	-14.7	2.81	2.81	2.80	2.80	2.79	2.79
	-13.0	-12.6	2.99	2.99	2.98	2.98	2.97	2.97
	-11.0	-10.5	3.12	3.12	3.11	3.11	3.10	3.10
	-10.0	-9.5	3.26	3.26	3.24	3.24	3.23	3.23
	-9.1	-8.5	3.34	3.34	3.33	3.33	3.32	3.32
	-7.6	-7.0	3.39	3.39	3.38	3.38	3.37	3.37
	-5.6	-5.0	3.52	3.52	3.51	3.51	3.50	3.50
	-3.7	-3.0	3.70	3.70	3.69	3.69	3.68	3.68
	-0.7	0.0	3.97	3.97	3.96	3.96	3.94	3.72
	2.2	3.0	4.20	4.20	4.18	4.08	4.08	3.72
	4.1	5.0	4.32	4.32	4.31	4.16	4.08	3.72
	6.0	7.0	4.56	4.56	4.50	4.28	4.09	3.73
	7.9	9.0	4.59	4.58	4.54	4.36	4.09	3.73
45	9.8	11.0	4.72	4.71	4.62	4.52	4.09	3.73
	11.8	13.0	4.90	4.81	4.62	4.52	4.10	3.74
	13.7	15.0	5.03	4.81	4.62	4.52	4.10	3.74
	-15.0	-14.7	3.16	3.16	3.15	3.15	3.14	3.14
	-13.0	-12.6	3.36	3.36	3.35	3.35	3.34	3.34
	-11.0	-10.5	3.52	3.52	3.51	3.51	3.50	3.50
	-10.0	-9.5	3.66	3.66	3.65	3.65	3.64	3.64
	-9.1	-8.5	3.76	3.76	3.75	3.75	3.74	3.74
	-7.6	-7.0	3.81	3.81	3.80	3.80	3.79	3.79
	-5.6	-5.0	3.96	3.96	3.95	3.95	3.94	3.94
	-3.7	-3.0	4.16	4.15	4.15	4.15	4.15	4.15
	-0.7	0.0	4.46	4.46	4.45	4.45	4.45	4.19
	2.2	3.0	4.71	4.71	4.70	4.70	4.59	4.19
	4.1	5.0	4.86	4.86	4.85	4.85	4.59	4.19
	6.0	7.0	5.01	5.00	5.00	4.85	4.60	4.20
50	7.9	9.0	5.16	5.16	5.00	4.85	4.60	4.20
	9.8	11.0	5.31	5.31	5.00	4.85	4.61	4.21
	11.8	13.0	5.51	5.40	5.00	4.85	4.61	4.21
	13.7	15.0	5.66	5.41	5.00	4.85	4.61	4.21
	-15.0	-14.7	3.51	3.51	3.50	3.50	3.49	3.49
	-13.0	-12.6	3.73	3.73	3.72	3.72	3.71	3.71
	-11.0	-10.5	3.91	3.91	3.90	3.90	3.89	3.89
	-10.0	-9.5	4.07	4.07	4.06	4.06	4.04	4.04
	-9.1	-8.5	4.18	4.18	4.17	4.17	4.16	4.16
	-7.6	-7.0	4.23	4.23	4.22	4.22	4.21	4.21
	-5.6	-5.0	4.40	4.40	4.39	4.39	4.38	4.38
	-3.7	-3.0	4.62	4.61	4.61	4.61	4.61	4.61
	-0.7	0.0	4.96	4.96	4.94	4.94	4.94	4.66
	2.2	3.0	5.23	5.23	5.22	5.22	5.10	4.66
	4.1	5.0	5.40	5.40	5.36	5.32	5.10	4.66
	6.0	7.0	5.67	5.63	5.60	5.49	5.11	4.67
	7.9	9.0	5.73	5.73	5.66	5.57	5.11	4.67
	9.8	11.0	5.90	5.90	5.76	5.63	5.12	4.68
	11.8	13.0	6.12	6.00	5.73	5.69	5.12	4.68
	13.7	15.0	6.29	6.01	5.81	5.72	5.12	4.68

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

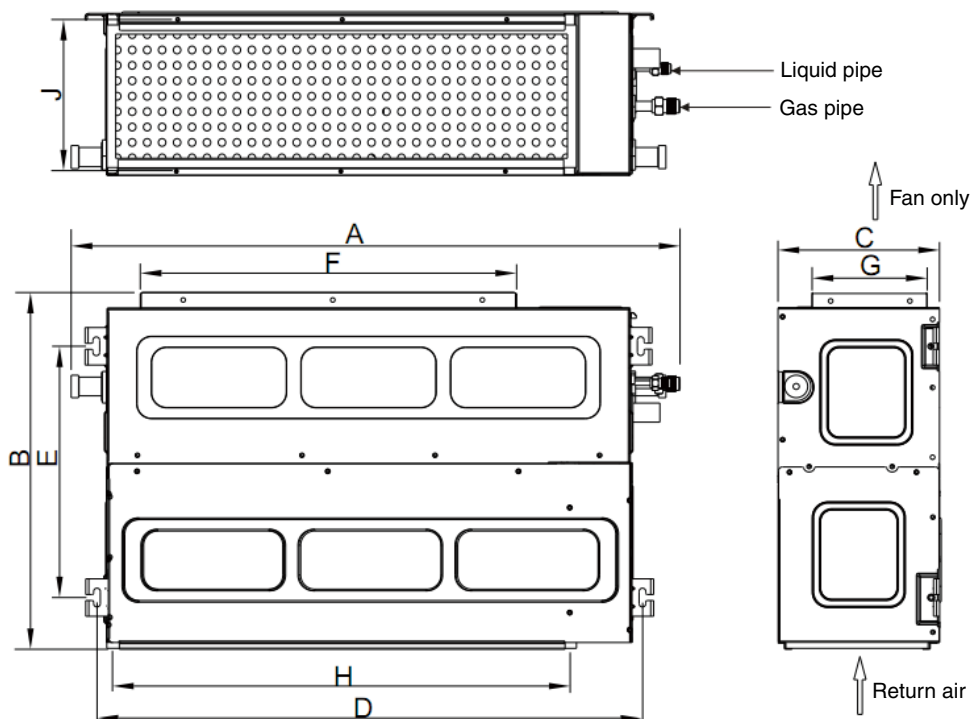
All Fresh Air Unit

Indoor unit capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH kW	TH kW	TH kW	TH kW	TH kW	TH kW
56	-15.0	-14.7	3.98	3.98	3.97	3.97	3.96	3.96
	-13.0	-12.6	4.23	4.23	4.22	4.22	4.21	4.21
	-11.0	-10.5	4.42	4.42	4.41	4.41	4.40	4.40
	-10.0	-9.5	4.61	4.61	4.60	4.60	4.59	4.59
	-9.1	-8.5	4.74	4.74	4.73	4.73	4.72	4.72
	-7.6	-7.0	4.80	4.80	4.79	4.79	4.78	4.78
	-5.6	-5.0	4.99	4.99	4.98	4.98	4.97	4.97
	-3.7	-3.0	5.24	5.24	5.23	5.23	5.22	5.22
	-0.7	0.0	5.62	5.62	5.61	5.61	5.60	5.60
	2.2	3.0	5.93	5.93	5.92	5.92	5.79	5.79
	4.1	5.0	6.12	6.12	6.11	6.11	5.79	5.79
	6.0	7.0	6.31	6.31	6.30	6.11	5.80	5.80
	7.9	9.0	6.50	6.49	6.30	6.11	5.80	5.80
	9.8	11.0	6.69	6.69	6.30	6.11	5.80	5.80
63	-15.0	-14.7	4.48	4.48	4.47	4.47	4.46	4.46
	-13.0	-12.6	4.76	4.76	4.75	4.75	4.74	4.74
	-11.0	-10.5	4.97	4.97	4.96	4.96	4.95	4.95
	-10.0	-9.5	5.19	5.19	5.18	5.18	5.16	5.16
	-9.1	-8.5	5.33	5.33	5.32	5.32	5.31	5.31
	-7.6	-7.0	5.40	5.40	5.39	5.39	5.38	5.38
	-5.6	-5.0	5.61	5.61	5.60	5.60	5.59	5.59
	-3.7	-3.0	5.90	5.90	5.88	5.88	5.87	5.87
	-0.7	0.0	6.32	6.32	6.31	6.31	6.30	6.30
	2.2	3.0	6.67	6.67	6.66	6.66	6.51	6.51
	4.1	5.0	6.99	6.89	6.78	6.73	6.51	6.51
	6.0	7.0	7.30	7.22	7.10	6.87	6.52	6.52
	7.9	9.0	7.39	7.31	7.26	6.87	6.53	6.53
	9.8	11.0	7.53	7.53	7.38	6.88	6.53	6.53
	11.8	13.0	7.81	7.66	7.49	6.89	6.54	6.54
71	-15.0	-14.7	4.83	4.83	4.82	4.82	4.81	4.81
	-13.0	-12.6	5.15	5.15	5.14	5.14	5.13	5.13
	-11.0	-10.5	5.40	5.40	5.39	5.39	5.38	5.38
	-10.0	-9.5	5.63	5.63	5.62	5.62	5.61	5.61
	-9.1	-8.5	5.79	5.79	5.78	5.78	5.77	5.77
	-7.6	-7.0	5.87	5.87	5.86	5.86	5.85	5.85
	-5.6	-5.0	6.11	6.11	6.10	6.09	6.08	6.08
	-3.7	-3.0	6.42	6.42	6.41	6.41	6.40	6.40
	-0.7	0.0	6.91	6.91	6.90	6.90	6.89	6.89
	2.2	3.0	7.31	7.31	7.30	7.30	7.15	6.50
	4.1	5.0	7.55	7.55	7.54	7.54	7.15	6.50
	6.0	7.0	8.08	8.02	8.0	7.56	7.15	6.50
	7.9	9.0	8.20	8.15	8.15	7.60	7.16	6.51
	9.8	11.0	8.27	8.27	8.22	7.65	7.16	6.51
	11.8	13.0	8.79	8.79	8.30	7.82	7.17	6.52
	13.7	15.0	8.84	8.43	8.35	8.01	7.17	6.52

## Remarks:

1. This unit design and executive standard QB/T 18837-2015
2. The above-said indoor unit capacity test conditions: refrigerant piping equivalent length is of 5 meters; falling is 0 m.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.
4. TH: Total heating capacity

## 5 Dimensions Drawings



The unit is mm

Indoor Unit Model	Dimension Code	Body Dimension			Mounting Dimensions		Air Outlet Dimension		Return Air Inlet Dimension	
		A	B	C	D	E	F	G	H	J
MWD022~045		814	476	210	728	335	503	150	611	200
MWD050~056		1010	476	210	928	335	705	150	811	200
MWD063~071		1214	476	210	1128	335	905	150	1011	200

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

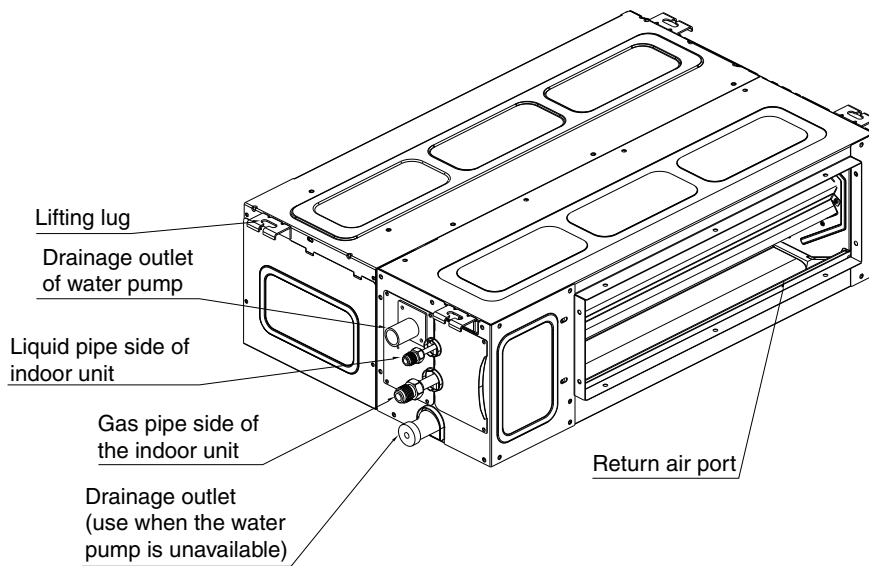
High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

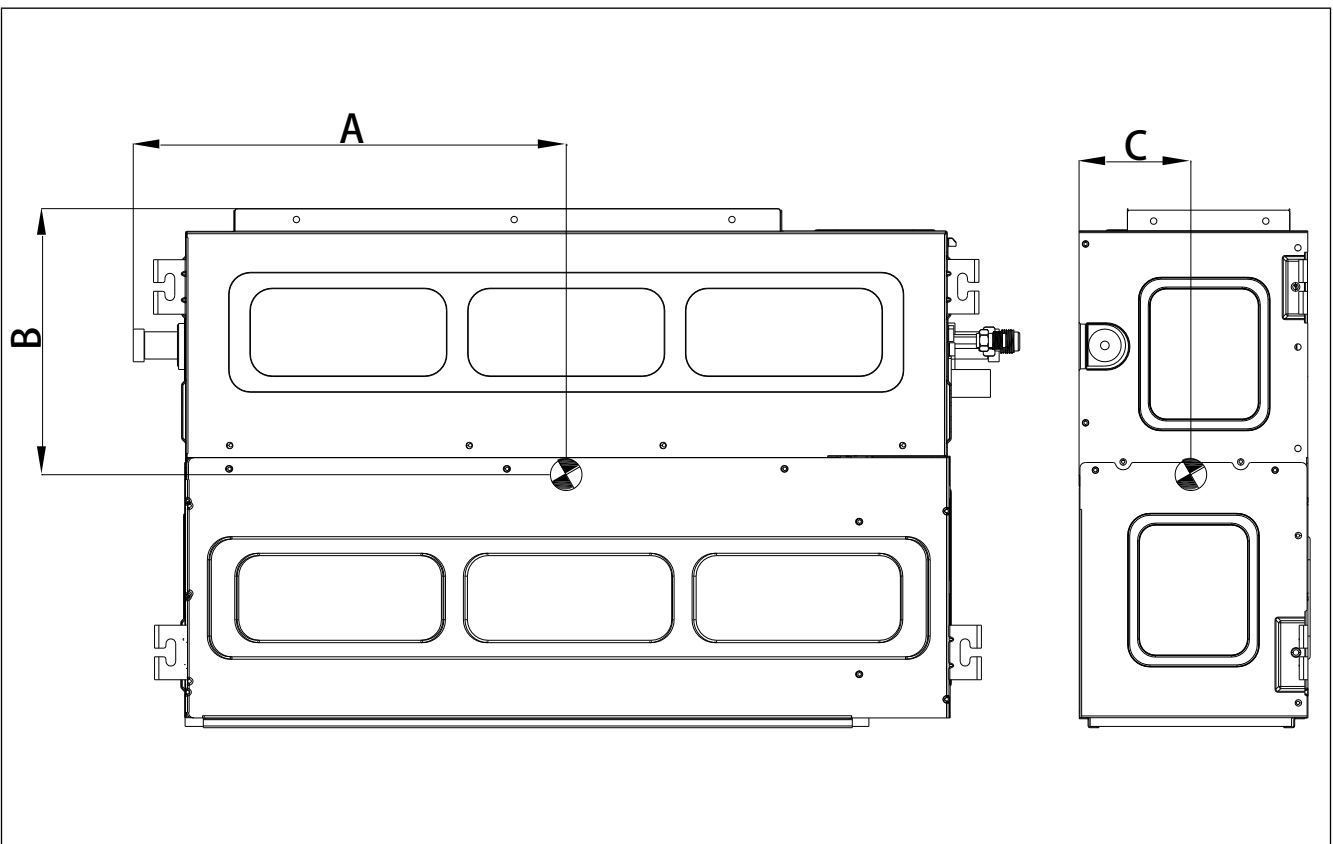
All Fresh Air Unit

## 6 Pipe Connection



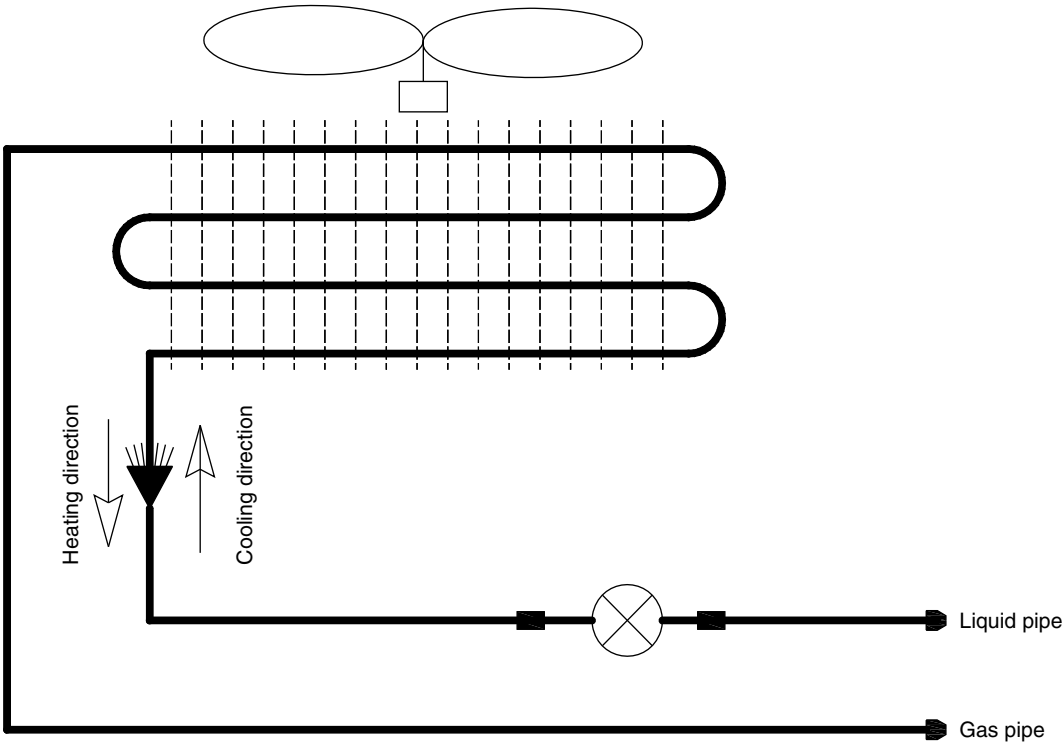
Note: The electronic expansion valve for short fan model is the unit built-in.

## 7 Center of Gravity



Indoor unit model	Dimension Code	Gravity center dimension		
		A	B	C
MWD022~045		410	280	105
MWD050~056		510	280	105
MWD063~071		610	280	105

8 Piping Diagram



Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

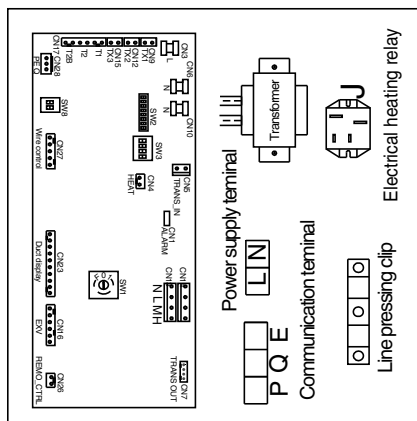
All Fresh Air  
Unit

Model	MWD022~028AML	MWD036~056AML	MWD063~071AML
Liquid pipe	$\Phi 6.35$ (flaring connection)		$\Phi 9.52$ (flaring connection)
Gas pipe	$\Phi 9.52$ (flaring connection)	$\Phi 12.7$ (flaring connection)	$\Phi 15.88$ (flaring connection)

## 9 Electrical Wiring Diagram



### 9-1. AC slim duct

### Short air hose electrical elements arrangement diagram











**Notice:** Terminal has no earth connection bit, but needs to install earthing screws on electronic control box metal plate earth connection mark for field installation.







**Note:**



	Dial up to ON
	Dial up to digital side



**Note:** SW8 dial-up is for debugging, to digital side default.  
if dial isn't stated, acquiesce in dialing up to digital side.

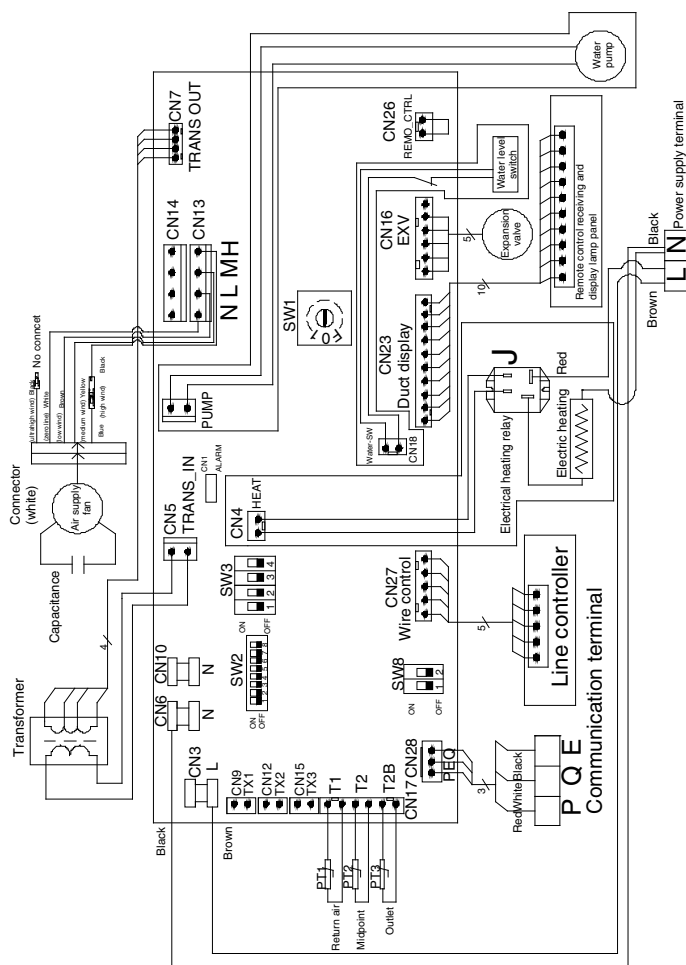
Heating temperature compensation value selection bit		Temperature selection
SW2 3rd and 4th place	 3N 4N 3rd place 4th place	6°C
	 2N 4N 3rd place 4th place	2°C
	 2N 4N 3rd place 4th place	4°C
	 2N 4N 3rd place 4th place	8°C

Temperature valve select bit of against cold air airflow		SW2 5th and 6th place	Temperature selection
	2N 5 5 2N	(factory default)	15°C
	2N 5 4 2N		20°C
	2N 5 5 2N		24°C
	2N 5 4 2N		26°C

Time selection of off-wind fan under heating mode		Temperature selection
SW2 7th and 8th place	(factory default)	4 min
		8 min
		12 min
		16 min

Customize power down memory function according to contract	SW3	 ON	With power down memory function
	The 1st place	 OFF	No power down memory function

SW3 The 4th place		automatic addressing mode (factory default)
		test pattern (allowing address reset)



The horsepower of indoor unit which has been set before delivery can be reset through dial switch SW1 (16 bit dial disk ) on indoor board. The horsepower indoor unit includes types below:

HP	0.8	1	1.2	1.7	2	2.5	3	3.2	4	5	6
Power	18/22	25/26/28	32/35/36	40/45/46	50/51/56	60/63/66/71	80	88/90	100/110/112	120/125/140	150/160
Capacity dial-up	0	1	2	3	4	5	6	7	8	9	9

Note:

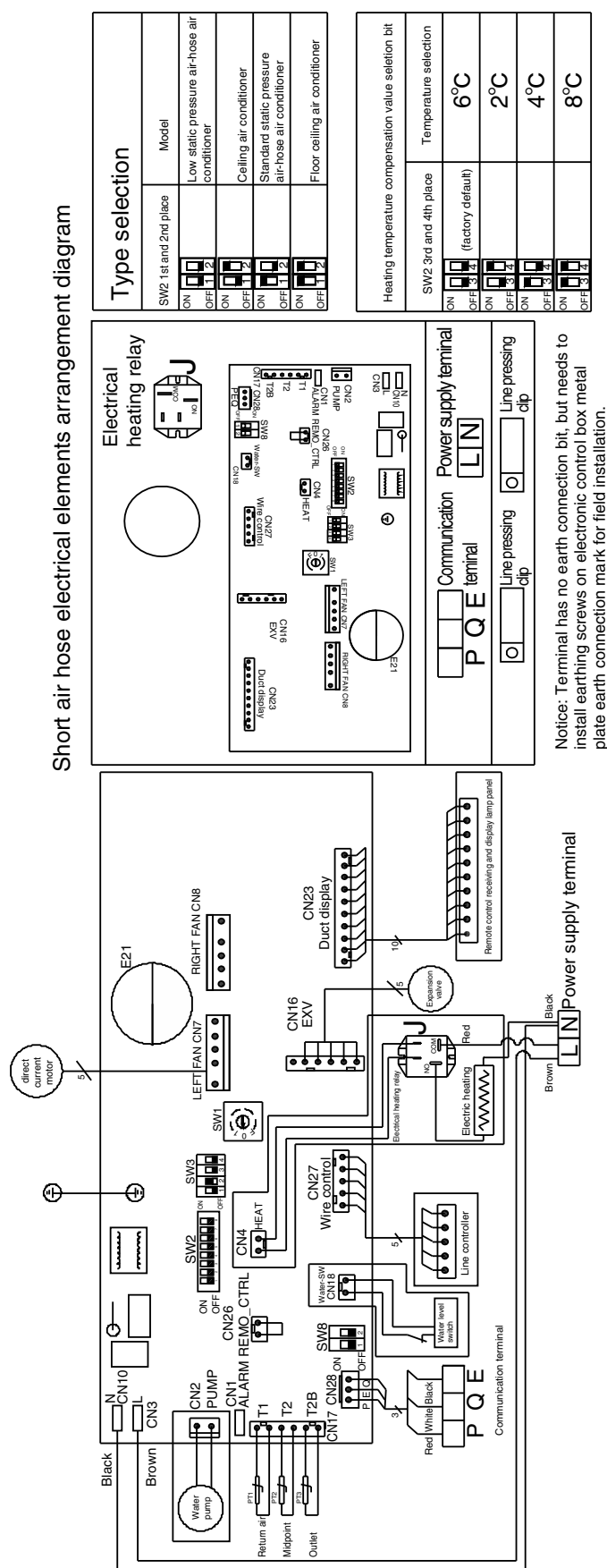
1. Indoor electrical motor connects high wind when leaving the factory, and brace connecting line butt joints with blue.
2. Only charged heating type needs to install electrical heating relay and related connecting lines.
3. Change to high wind on field installation according to the length of return air box and noise.
4. According to the type, connect the water pump and water level switches or not.

## Remarks:

1. Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings.
2. Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.



### Short air hose electrical elements arrangement diagram



Note:

The horsepower of indoor unit which has been set before delivery can be reset through dial switch SW1 (16 bit dial disk) on indoor board. The horsepower indoor unit includes types below:





HP	0.8	1	1.2	1.7	2	2.5	3	3.2	4	5	6
Power	18/22	25/26/28	32/35/36/40	45/46	50/51/56	60/63/66/71	80/88/90	100/110/112	120/125/140	150/160	
Capacity dial-up	0	1	2	3	4	5	6	7	8	9	9





**Note:** 1. Only charged heating type needs to install electrical heating relay and related connecting lines.

2. The type CN18 without water pump function needs to be short circuited by shorting stub.
3. Only the output of the type with water pump needs to be connected.

Type selection		Model
SW2 1st and 2nd place	<input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF	Low static pressure air-hose air conditioner
	<input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF	Ceiling air conditioner
	<input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF	Standard static pressure air-hose air conditioner
	<input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF	Floor ceiling air conditioner

Heating temperature compensation value selection bit		Temperature selection
SW2 3rd and 4th place		
<div> <div> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> </div> 3 4 DFE	(factory default)	6°C
<div> <div> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> </div> 3 4 DFE		2°C
<div> <div> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> </div> 3 4 DFE		4°C
<div> <div> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> </div> 3 4 DFE		8°C

Temperature valve select bit of against cold air airflow	Temperature selection	
	SW2 5th and 6th place	
	 2N DPF 5,6	15°C
	 2N DPF 5,6	20°C
	 2N DPF 5,6	24°C
	 2N DPF 5,6	26°C

Time selection of off-wind fan under heating mode	
SW2 7th and 8th place (factory default)	Temperature selection
	4 min
	8 min
	12 min
	16 min

**Notice:** Terminal has no earth connection bit, but needs to install earthing screws on electronic control box metal plate earth connection mark for field installation.

Note:





Dial up to ON

up to digital side

The dial-up of this type is factory settings.

SW3			SW8		SW2									
IN					ON									
FF					OFF									
	1	2	3	4	1	2	3	4	5	6	7			

SW3	ON	Automatic addressing mode (factory default)	Addressing mode select bit
	OFF		
The 4th place	ON	Test pattern (allowing address reset)	
	OFF		

Select lamp panel	SW3	 ON  OFF	Equip LED lamp panel
	The 3rd place	 ON  OFF	Equip Nixie tube lamp panel

High/ultrahigh wind selection	SW3	ON OFF	High wind grade
	The 2nd place	ON OFF	Ultrahigh wind grade

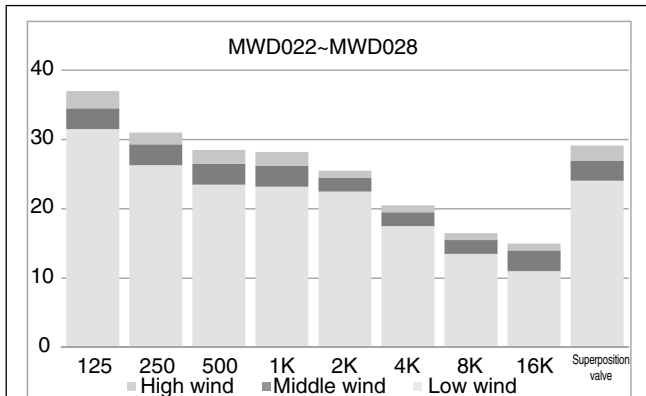
SW3	ON	With power down memory function
	OFF	
The 1st place on the PCB	ON	No power down memory function
	OFF	

<b>Indoor unit</b>
1-way cassette Unit
2-way Cassette Unit
4-way Cassette Unit
<b>Slim Duct Unit</b>
Standard ESP Duct Unit
Medium ESP Duct Unit
High ESP Duct Unit
Wall-mounted Unit
Floor Ceiling Unit
All Fresh Air Unit

Remarks:

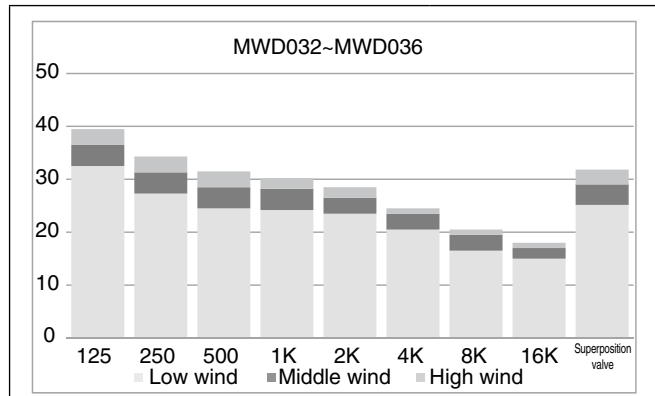
1. Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings.
2. Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.

## 10 Sound Data



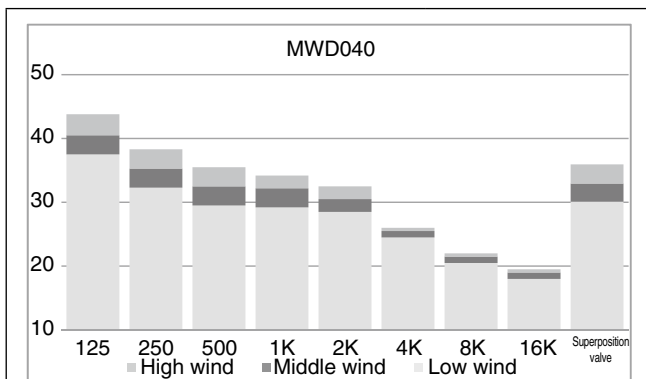
**Description:**

- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



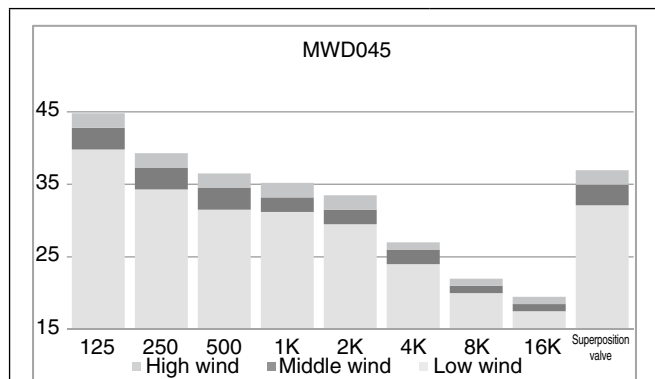
**Description:**

- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



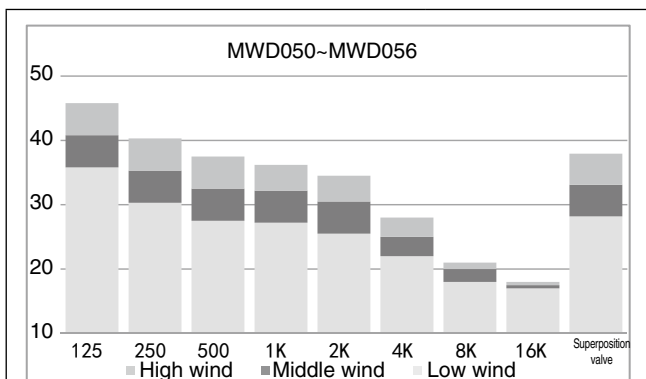
**Description:**

- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



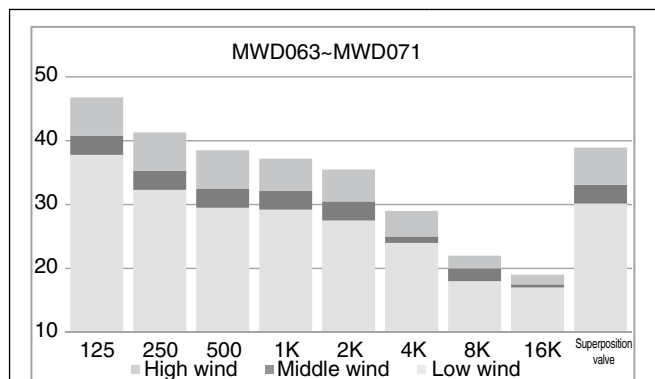
**Description:**

- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



**Description:**

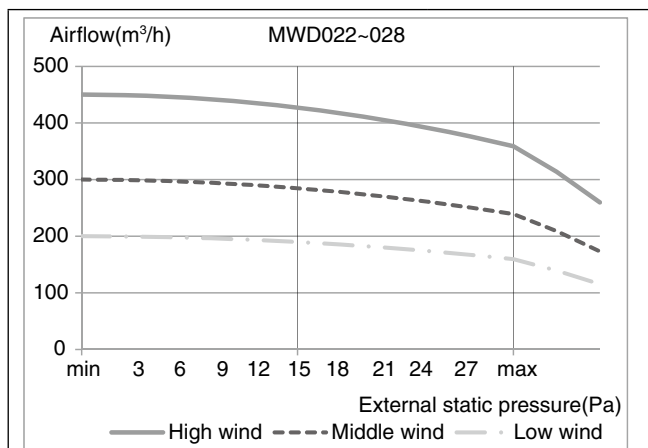
- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



**Description:**

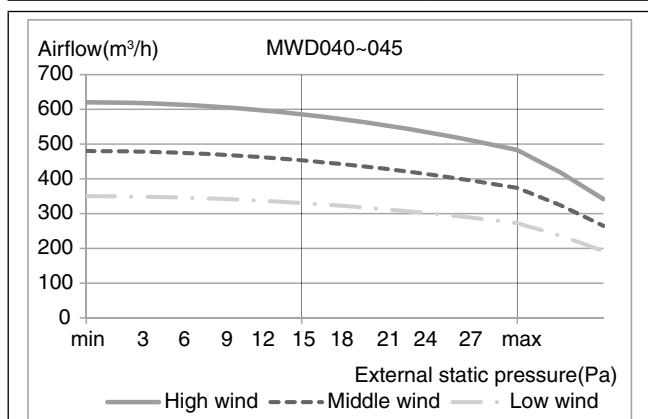
- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.

## 11 Fan Characteristics



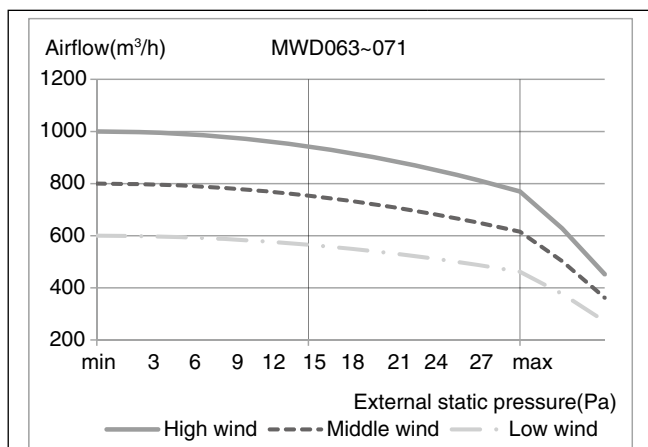
**Remark:**

1. This curve is the variation curve of air flow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.



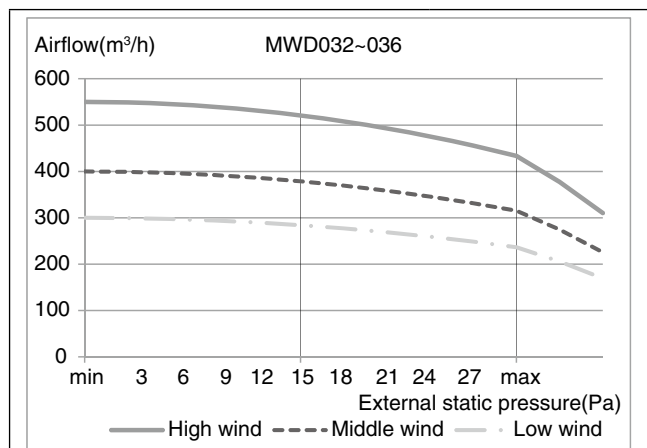
**Remark:**

1. This curve is the variation curve of air flow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.



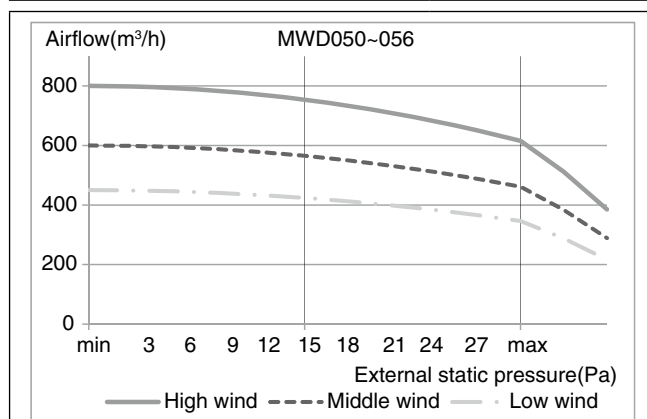
**Remark:**

1. This curve is the variation curve of air flow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.



**Remark:**

1. This curve is the variation curve of air flow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.



**Remark:**

1. This curve is the variation curve of air flow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

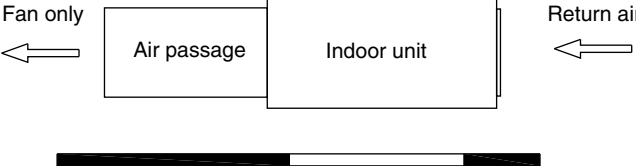
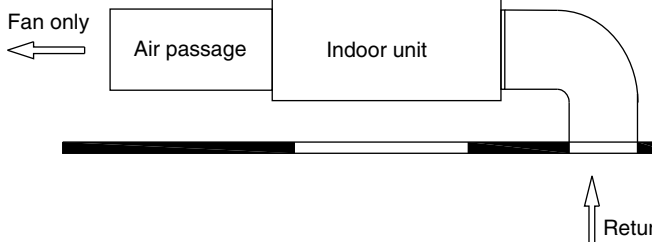
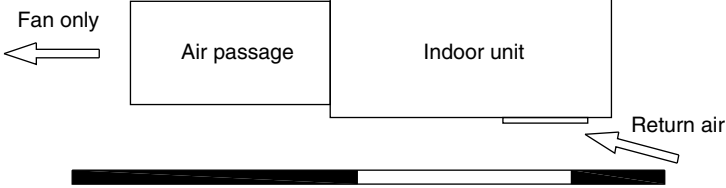
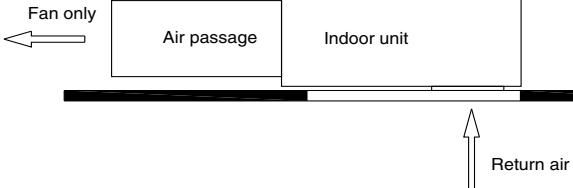
Wall-mounted  
Unit

Floor Ceiling  
Unit

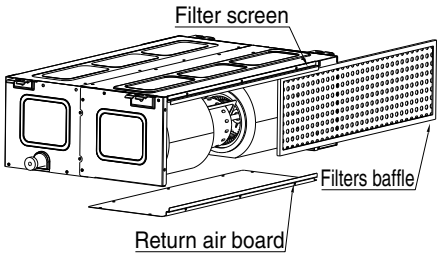
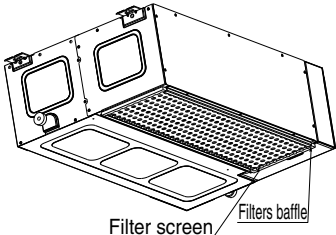
All Fresh Air  
Unit

## 12 Installation

There are two installation methods of short duct pipe models, rear return air and down return air, which are as follows:

1.Rear return air,Without building air passage for return air	
2.Rear return air,building air passage for return air Note: When connected to the air passage of return air, remove the automatic filter of indoor unit, and install at the new return air outlet	
3.Down return air	
4.Down return air, Direct return air	

The on-site adjustment methods for the rear return air and down return air of short return air duct model are as follows:

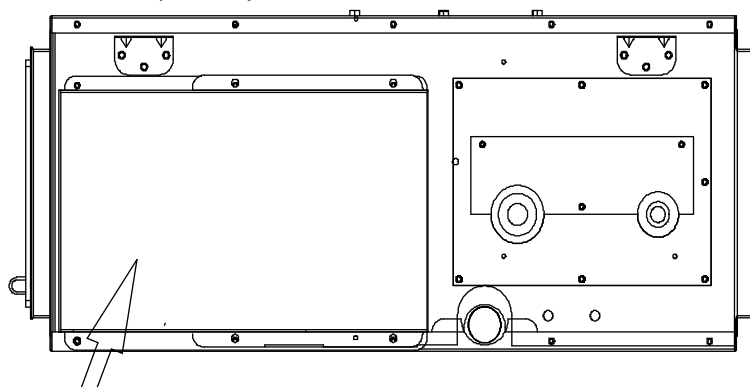
1.The rear return air method is the factory default mode; when there is a need to turn to the down return air, first remove the filter and return air board as shown	Take down the return air board, filter screens and filter baffles 
2.Install reversely the return air board and filter screen, which becomes the down return air method	Installation of return air board, filter screens and filter baffles 

Remark:

- 1.The body must be securely installed, and the body should be maintain horizontally, or it may cause water leakage.
- 2.The installation of the unit must be added to the repair port.
- 3.The repair port size is about 500x500mm; the position is as close as possible to the piping and the side of the electric control box.

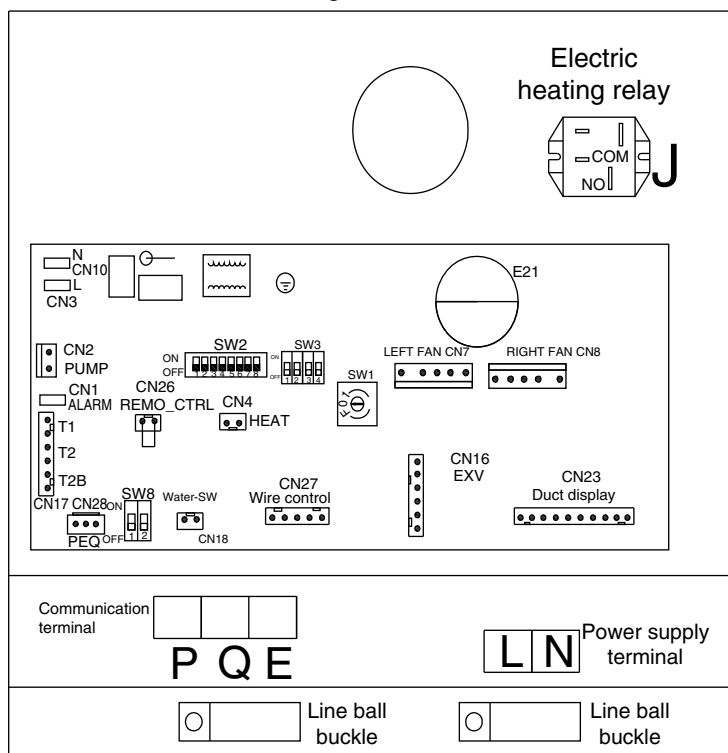
# 13 Electrical Box Connection

1. Take down the electronic control box cover pointed by the arrows as shown

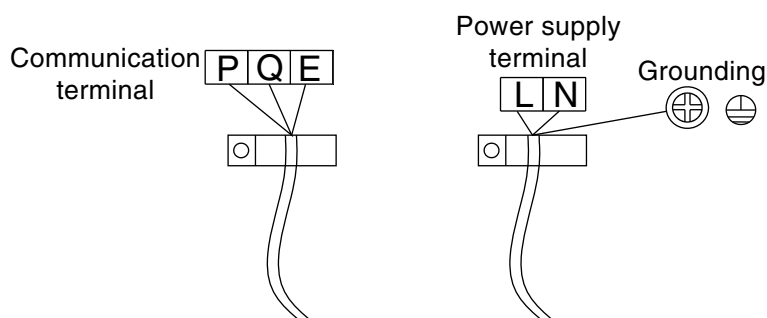


2. Refer to the following electrical layout

Arrangement diagram for electrical element of Short ceiling concealed ducted unit



3. As shown below, connect the power line and the indoor and outdoor communication lines respectively



Remarks:

- Between the different models, the wiring position may be slightly different; it is subject to the actual objects.
- Due to continuous product updates and progress, the actual goods may differ from the wiring diagram; hence it is subject to the actual goods without prior notice.

# Standard ESP Duct Unit



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# 1 Technical Specifications

Indoor units Model Specifications				MWD071AMSNAB MWD071AMSNBB MWD071AMSNCB		MWD080AMSNAB MWD080AMSNBB MWD080AMSNCB		
Cooling capacity			kW		7.1		8	
Heating capacity			kW		8.0		9.0	
Rated input power		Cooling	kW		0.13		0.13	
		Heating	kW		0.13		0.13	
Appearance	Color			\				
	Material			Galvanized steel sheet with insulation materials				
Size	Unit	Lengthx WidthxHeight	mm		1190x643x260			
Weight	Unit		kg		35		35	
Heat exchanger	Fin type			Hydrophilic				
Fans	Type			Centrifugal fan				
	Quantity			2				
	Airflow	Cooling/ Heating	High	m³/h	1050			
			Middle	m³/h	900			
			Low	m³/h	750			
	Static pressure		Pa		30			
Motor	Quantity			1				
	Rotate speed	Cooling/ Heating	High	rpm	880			
			Middle	rpm	780			
			Low	rpm	680			
	Power (high speed)		w		130			
	Drive mode			AC drive				
Noise	Cooling/ Heating	High	dBA	38				
		Middle	dBA	36				
		Low	dBA	33				
Refrigerant	Type			R410a				
	Flow control			Electronic expansion valve				
Connecting pipe	Gas pipe	Connection method		Flaring connection				
		Pipe diameter	mm	Φ15.88				
	Liquid pipe	Connection method		Flaring connection				
		Pipe diameter	mm	Φ9.52				
	Drain pipe	Size (OD)		DN25				
		Drain-up height	mm	700				
Air Filer				PP+Nylon mesh				
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.				

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## Technical Specifications

Indoor units Model Specifications				MWD090AMSAB MWD090AMSNBB MWD090AMSNCB		MWD100AMSAB MWD100AMSNBB MWD100AMSNCB	
Cooling capacity			kW	9		10	
Heating capacity			kW	10.0		11	
Rated input power		Cooling	kW	0.24		0.24	
		Heating	kW	0.24		0.24	
Appearance	Color						
	Material			Galvanized steel sheet with insulation materials			
Size	Unit	Length× Width×Height	mm	1425×643×260			
Weight	Unit		kg	45		45	
Heat exchanger	Fin type			Hydrophilic			
Fans	Type			Centrifugal fan			
	Quantity			3			
	Airflow	Cooling/ Heating	High	m³/h	1800		
			Middle	m³/h	1600		
			Low	m³/h	1300		
	Static pressure		Pa		30		
Motor	Quantity			2			
	Rotate speed	Cooling/ Heating	High	rpm	Single-axis motor: 1080; Double-axis motor: 1100		
			Middle	rpm	Single-axis motor: 980; Double-axis motor: 980		
			Low	rpm	Single-axis motor: 820; Double-axis motor: 820		
	Power (high speed)		w		240		
	Drive mode			AC drive			
Noise	Cooling/ Heating	High	dBA	45			
		Middle	dBA	42			
		Low	dBA	39			
Refrigerant	Type			R410a			
	Flow control			Electronic expansion valve			
Connecting pipe	Gas pipe	Connection method		Flaring connection			
		Pipe diameter	mm	Φ15.88			
	Liquid pipe	Connection method		Flaring connection			
		Pipe diameter	mm	Φ9.52			
	Drain pipe	Size (OD)		DN25			
		Drain-up height	mm	700			
Air Filter				PP+Nylon mesh			
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.			

Indoor units Model Specifications				MWD120AMSNAB MWD120AMSNBB MWD120AMSNCB		MWD150AMSNAB MWD150AMSNBB MWD150AMSNCB	
Cooling capacity			kW	12		15	
Heating capacity			kW	13		17	
Rated input power		Cooling	kW	0.24		0.24	
		Heating	kW	0.24		0.24	
Appearance	Color			Galvanized steel sheet with insulation materials			
	Material						
Size	Unit	Length× Width×Height	mm	1425×643×260			
Weight	Unit		kg	45		45	
Heat exchanger	Fin type			Hydrophilic			
Fans	Type			Centrifugal fan			
	Quantity			3			
	Airflow	Cooling/ Heating	High	m³/h	1800		
			Middle	m³/h	1600		
			Low	m³/h	1300		
	Static pressure		Pa		30		
Motor	Quantity			2			
	Rotate speed	Cooling/ Heating	High	rpm	Single-axis motor: 1080; Double-axis motor: 1100		
			Middle	rpm	Single-axis motor: 980; Double-axis motor: 980		
			Low	rpm	Single-axis motor: 820; Double-axis motor: 820		
	Power (high speed)		w		240		
	Drive mode			AC drive			
Noise	Cooling/ Heating	High	dBA	45			
		Middle	dBA	42			
		Low	dBA	39			
Refrigerant	Type			R410a			
	Flow control			Electronic expansion valve			
Connecting pipe	Gas pipe	Connection method		Flaring connection			
		Pipe diameter	mm	Φ15.88			
	Liquid pipe	Connection method		Flaring connection			
		Pipe diameter	mm	Φ9.52			
	Drain pipe	Size (OD)		DN25			
		Drain-up height	mm	700			
Air Filter				PP+Nylon mesh			
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.			

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## 2 Electrical Data

Indoor Unit model	Power supply					Running current	
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated Current	Fusing current
MWD071AMSNAB**	AC	50Hz	220V	-10%	+10%	0.6A	5A
MWD080AMSNAB**						0.6A	5A
MWD090AMSNAB**						1.1A	5A
MWD100AMSNAB**						1.1A	5A
MWD120AMSNAB**						1.1A	5A
MWD150AMSNAB**						1.1A	5A

Remark:

1. "" indicates that some model codes are omitted behind, but these codes do not affect the data in this form, as long as the model codes in front matches together, then the relevant data in the form can be applied.
2. Fusing current refers to the motherboard fusing current, excluding electric heating current.

### 3 Accessories Details

Accessory bag 1	
Name	Quantity
Wired controller	1 pcs
Wired controller connection line	1 pcs
Certificate	1 pcs
Wired controller warning identification	1 pcs
Instructions	1 pcs
Accessory bag 2	
High-pressure single-joint thermal insulation pipe	1 pcs
Low-pressure single-joint thermal insulation pipe	1 pcs
ribbon	6 pcs
Fork shaped pre-insulated terminal	3 pcs
Round shaped pre-insulated terminal	6 pcs
Other	
Electronic expansion valve connection pipe	1 pic

Note:

1. Warranty card is put in the accessory bag of outdoor unit.
2. Due to continuous product updates and progress, the actual accessories included may vary, so it is subject to the actual goods without further notice.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

All Fresh Air  
Unit

## 4 Capacity Tables

### 4-1. Cooling capacity tables

Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
71	10.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.3	5.0
	12.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.2	4.9
	14.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.1	4.9
	16.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.0	4.8
	18.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.8	4.7
	20.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.6	4.6
	21.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.5	4.5
	23.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.4	4.5
	25.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.3	4.4
	27.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.2	4.7	8.3	4.5
	29.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.1	4.7	8.2	4.5
	31.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.0	4.6	7.9	4.3
	33.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.9	4.6	7.9	4.3
	35.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.7	4.5	7.8	4.2
80	37.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.4	4.8	7.6	4.5	7.7	4.3
	39.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.2	4.7	7.5	4.4	7.7	4.3
	10.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	10.5	5.8
	12.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	10.3	5.7
	14.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	10.3	5.7
	16.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	10.1	5.6
	18.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.9	5.6
	20.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.7	5.5
	21.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.5	5.4
	23.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.5	5.3
	25.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.4	5.3
	27.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.2	5.7	9.3	5.2
	29.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.1	5.6	9.2	5.2
	31.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.0	5.5	8.9	5.1
90	33.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	8.9	5.5	8.9	5.1
	35.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.5	5.8	8.7	5.3	8.7	5.1
	37.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.2	5.6	8.5	5.2	8.7	5.1
	39.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.2	5.5	8.4	5.2	8.7	5.1
	10.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.8	6.6
	12.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.6	6.5
	14.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.5	6.4
	16.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.4	6.3
	18.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.1	6.3
	20.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.9	6.2
	21.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.7	6.1
	23.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.6	6.0
	25.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.5	6.0
	27.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.4	6.4	10.5	5.9
90	29.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.2	6.2	10.4	5.8
	31.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.1	6.2	10.0	5.7
	33.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.0	6.1	10.0	5.7
	35.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.6	6.5	9.7	6.0	9.8	5.7
	37.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.4	6.3	9.6	5.9	9.7	5.8
	39.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.3	6.2	9.5	5.8	9.7	5.8



Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
100	10.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	13.1	7.6
	12.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	13.0	7.5
	14.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	12.8	7.3
	16.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	12.7	7.3
	18.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	12.6	7.2
	20.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	12.5	7.2
	21.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	12.4	7.1
	23.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	11.8	7.3	12.3	7.0
	25.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	11.7	7.3	12.2	7.0
	27.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	11.6	7.2	12.0	6.9
	29.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	11.5	7.1	11.9	7.0
	31.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	11.4	7.0	11.4	6.6
	33.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	11.2	7.0	11.1	6.5
120	35.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.7	7.2	11.1	6.9	10.9	6.4
	37.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.6	7.1	11.0	6.8	10.7	6.2
	39.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.5	7.0	10.9	6.8	10.5	6.2
	10.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	15.7	8.9
	12.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	15.4	8.8
	14.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	15.3	8.7
	16.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	15.1	8.6
	18.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	14.7	8.3
	20.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	14.4	8.2
	21.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	14.2	8.1
	23.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.0	8.5	14.0	8.0
	25.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.9	8.4	13.9	7.9
	27.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.8	8.3	13.8	8.0
150	29.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.7	8.2	13.7	7.9
	31.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.5	8.2	13.2	7.6
	33.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.4	8.1	13.2	7.6
	35.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	12.9	8.5	12.9	7.8	12.9	7.6
	37.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	12.8	8.4	12.9	7.8	12.8	7.6
	39.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	12.6	8.3	12.4	7.6	12.8	7.7
	10.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	19.6	10.9
	12.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	19.3	10.8
	14.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	19.2	10.7
	16.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	18.9	10.5
	18.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	18.4	10.2
	20.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	18.1	10.1
	21.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	17.8	9.9
150	23.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.7	10.9	17.7	9.8
	25.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.5	10.8	17.5	9.7
	27.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.4	10.7	17.4	9.8
	29.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.2	10.6	17.2	9.7
	31.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.1	10.5	16.6	9.4
	33.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	16.9	10.4	16.6	9.4
	35.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.8	10.4	16.3	10.0	16.3	9.4
	37.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.6	10.3	16.3	10.0	16.2	9.3
	39.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.3	10.1	15.7	9.8	16.2	9.5

Remark:

1. This unit design and executive standard GB/T 18837-2015.
2. The above-said indoor unit capacity test conditions: refrigerant piping equivalent length is of 5 m; falling is 0 m.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.
4. TC: Total Cooling Capacity  
SH: Sensible Heat Capacity

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## 4-2. Heating capacity tables

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH kW	TH kW	TH kW	TH kW	TH kW	TH kW
71	-15.0	-14.7	5.05	5.05	5.04	5.04	5.03	5.03
	-13.0	-12.6	5.37	5.37	5.36	5.36	5.35	5.35
	-11.0	-10.5	5.61	5.61	5.60	5.60	5.59	5.59
	-10.0	-9.5	5.85	5.85	5.84	5.84	5.83	5.83
	-9.1	-8.5	6.01	6.01	6.00	6.00	5.99	5.99
	-7.6	-7.0	6.09	6.09	6.08	6.08	6.07	6.07
	-5.6	-5.0	6.33	6.33	6.32	6.32	6.31	6.31
	-3.7	-3.0	6.65	6.65	6.64	6.64	6.63	6.63
	-0.7	0.0	7.13	7.13	7.12	7.12	7.11	6.71
	2.2	3.0	7.53	7.53	7.52	7.52	7.35	6.71
	4.1	5.0	7.77	7.77	7.76	7.76	7.35	6.71
	6.0	7.0	8.01	8.01	8.00	7.76	7.35	6.71
	7.9	9.0	8.25	8.25	8.08	7.79	7.36	6.72
	9.8	11.0	8.49	8.49	8.15	7.82	7.36	6.72
80	-15.0	-14.7	5.68	5.68	5.67	5.67	5.66	5.66
	-13.0	-12.6	6.04	6.04	6.03	6.03	6.02	6.02
	-11.0	-10.5	6.31	6.31	6.30	6.30	6.29	6.29
	-10.0	-9.5	6.58	6.58	6.57	6.57	6.56	6.56
	-9.1	-8.5	6.76	6.76	6.75	6.75	6.74	6.74
	-7.6	-7.0	6.85	6.85	6.84	6.84	6.83	6.83
	-5.6	-5.0	7.12	7.12	7.11	7.11	7.10	7.10
	-3.7	-3.0	7.48	7.48	7.47	7.47	7.46	7.46
	-0.7	0.0	8.02	8.02	8.01	8.01	8.00	7.55
	2.2	3.0	8.47	8.47	8.46	8.46	8.27	7.55
	4.1	5.0	8.74	8.74	8.73	8.73	8.27	7.55
	6.0	7.0	9.01	9.01	9.00	8.73	8.27	7.55
	7.9	9.0	9.28	9.28	9.04	8.78	8.28	7.56
	9.8	11.0	9.56	9.56	9.11	8.84	8.28	7.56
90	-15.0	-14.7	6.31	6.31	6.30	6.30	6.29	6.29
	-13.0	-12.6	6.71	6.71	6.70	6.70	6.69	6.69
	-11.0	-10.5	7.01	7.01	7.00	7.00	5.99	5.99
	-10.0	-9.5	7.31	7.31	7.30	7.30	7.29	7.29
	-9.1	-8.5	7.51	7.51	7.50	7.50	7.49	7.49
	-7.6	-7.0	7.61	7.61	7.60	7.60	7.59	7.59
	-5.6	-5.0	7.91	7.91	7.90	7.90	7.89	7.89
	-3.7	-3.0	8.31	8.31	8.30	8.30	8.29	8.29
	-0.7	0.0	8.91	8.91	8.90	8.90	8.89	8.39
	2.2	3.0	9.41	9.41	9.40	9.40	9.19	8.39
	4.1	5.0	9.82	9.79	9.70	9.60	9.19	8.39
	6.0	7.0	10.01	10.00	10.00	9.70	9.20	8.40
	7.9	9.0	10.31	10.31	10.07	9.75	9.23	8.40
	9.8	11.0	10.59	10.59	10.15	9.82	9.28	8.41
100	-15.0	-14.7	6.94	6.94	6.93	6.93	6.92	6.92
	-13.0	-12.6	7.38	7.38	7.37	7.37	7.36	7.36
	-11.0	-10.5	7.71	7.71	7.70	7.70	7.69	7.69
	-10.0	-9.5	8.04	8.04	8.03	8.03	8.02	8.02
	-9.1	-8.5	8.26	8.26	8.25	8.25	8.24	8.24
	-7.6	-7.0	8.37	8.37	8.36	8.36	8.35	8.35
	-5.6	-5.0	8.70	8.70	8.69	8.69	8.68	8.68
	-3.7	-3.0	9.14	9.14	9.13	9.13	9.12	9.12
	-0.7	0.0	9.80	9.80	9.79	9.79	9.78	9.23
	2.2	3.0	10.35	10.35	10.34	10.34	10.12	9.23
	4.1	5.0	10.68	10.68	10.67	10.67	10.12	9.23
	6.0	7.0	11.01	11.00	11.00	10.69	10.13	9.24
	7.9	9.0	11.34	11.34	11.08	10.74	10.15	9.26
	9.8	11.0	11.67	11.67	11.15	10.79	10.19	9.28
	11.8	13.0	12.11	11.89	11.22	10.85	10.22	9.31
	13.7	15.0	12.44	11.89	11.31	10.88	10.25	9.35

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	kW	kW	kW	kW	kW	kW
120	-15.0	-14.7	8.33	8.33	8.31	8.31	8.30	8.30
	-13.0	-12.6	8.87	8.87	8.85	8.85	8.84	8.84
	-11.0	-10.5	9.27	9.27	9.25	9.25	9.24	9.24
	-10.0	-9.5	9.68	9.68	9.66	9.66	9.65	9.65
	-9.1	-8.5	9.95	9.95	9.93	9.93	9.92	9.92
	-7.6	-7.0	10.08	10.08	10.06	10.06	10.05	10.05
	-5.6	-5.0	10.49	10.49	10.47	10.47	10.46	10.46
	-3.7	-3.0	11.03	11.03	11.01	11.01	11.00	11.00
	-0.7	0.0	11.84	11.84	11.82	11.82	11.80	11.13
	2.2	3.0	12.51	12.51	12.49	12.49	12.21	11.13
	4.1	5.0	12.92	12.92	12.90	12.90	12.21	11.13
	6.0	7.0	13.32	13.02	13.00	12.95	12.22	11.14
	7.9	9.0	13.73	13.73	13.08	12.99	12.25	11.19
	9.8	11.0	14.43	14.13	13.13	13.05	12.29	11.24
150	11.8	13.0	14.67	14.63	13.21	13.11	12.33	11.25
	13.7	15.0	15.08	14.88	13.28	13.19	12.38	11.25
	-15.0	-14.7	10.72	10.72	10.71	10.71	10.70	10.70
	-13.0	-12.6	11.40	11.40	11.39	11.39	11.38	11.38
	-11.0	-10.5	11.91	11.91	11.90	11.90	11.89	11.89
	-10.0	-9.5	12.42	12.42	12.41	12.41	12.40	12.40
	-9.1	-8.5	12.76	12.76	12.75	12.75	12.74	12.74
	-7.6	-7.0	12.93	12.93	12.92	12.92	12.91	12.91
	-5.6	-5.0	13.44	13.44	13.43	13.43	13.42	13.42
	-3.7	-3.0	14.12	14.12	14.11	14.11	14.10	14.10
	-0.7	0.0	15.14	15.14	15.13	15.13	15.12	14.27
	2.2	3.0	15.99	15.99	15.98	15.98	15.63	14.27
	4.1	5.0	16.50	16.50	16.49	16.49	15.63	14.27
	6.0	7.0	17.01	17.01	17.00	16.55	15.63	14.28
	7.9	9.0	17.52	17.52	17.09	16.62	15.64	14.29
	9.8	11.0	18.03	18.03	17.15	16.69	15.66	14.32
	11.8	13.0	18.71	18.37	17.21	16.75	15.69	14.35
	13.7	15.0	19.22	18.37	17.28	16.86	15.73	14.38

Remark:

1. This unit design and executive standard GB/T 18837-2015.
2. The above-said indoor unit capacity test conditions: refrigerant piping equivalent length is of 5 m; falling is 0 m.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.
4. TH: Total heating capacity

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

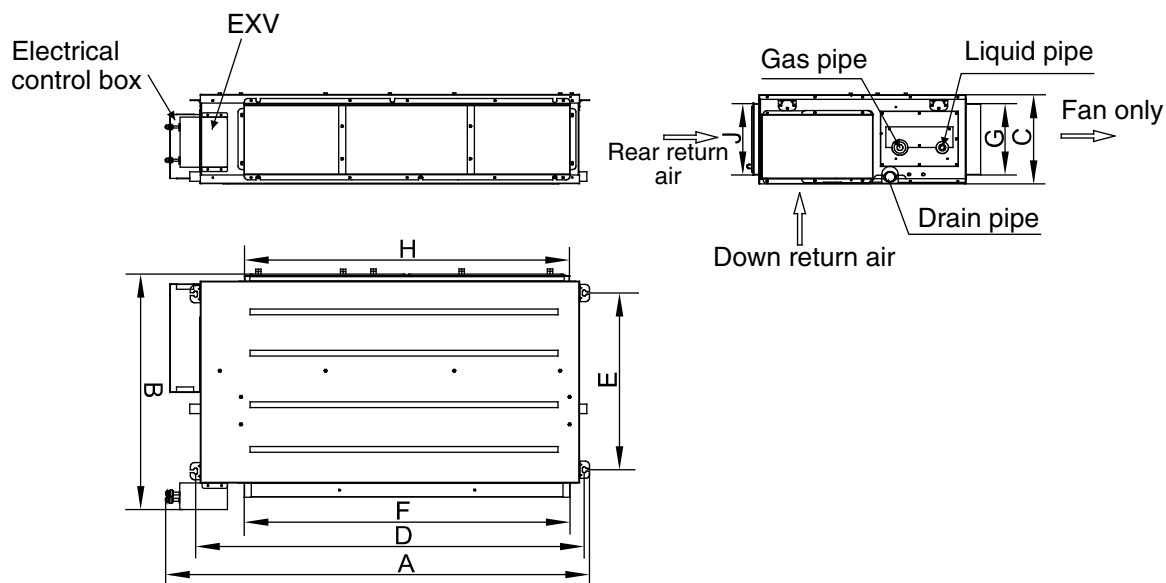
High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

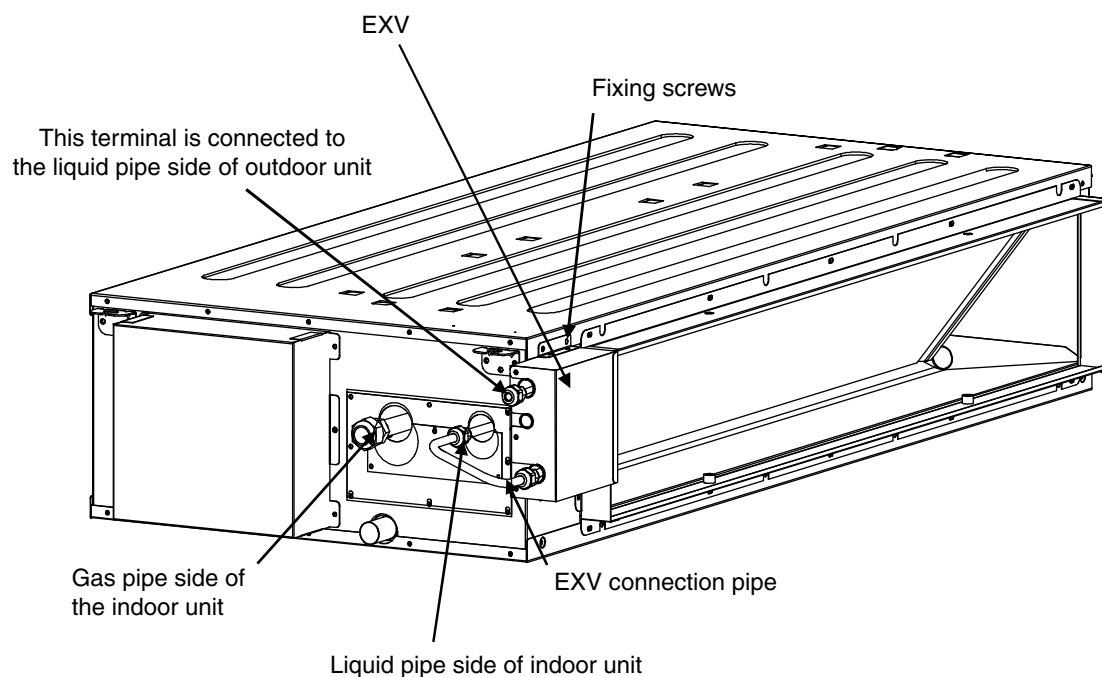
## 5 Dimensions Drawings



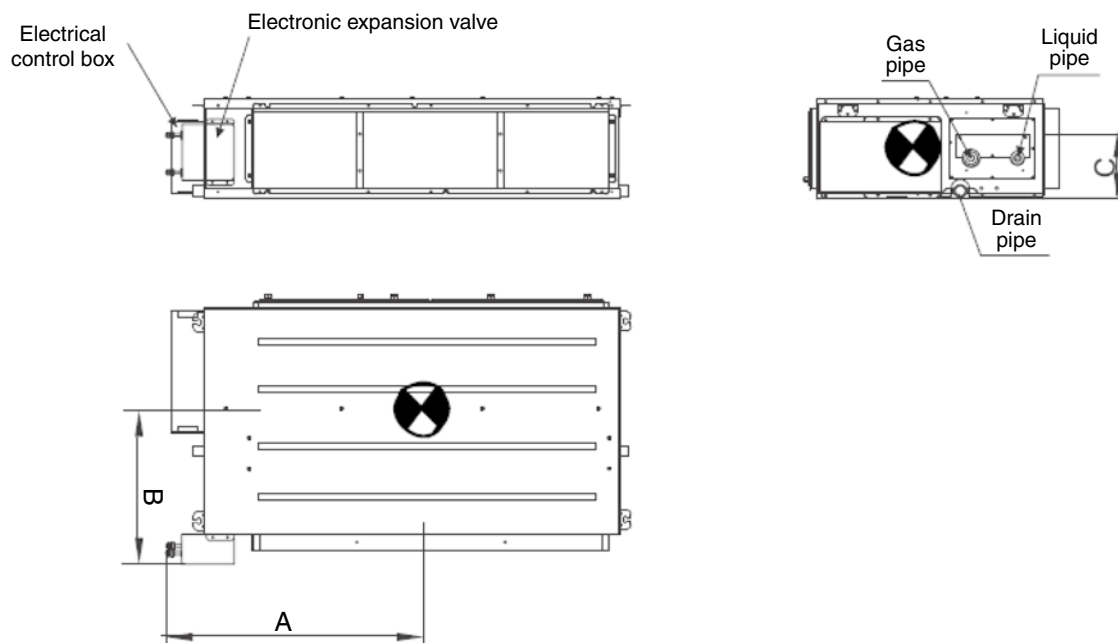
Unit: mm

Indoor Unit model	Dimension code	Body dimension			Mounting Dimensions		Air outlet dimension		Return air inlet dimension	
		A	B	C	D	E	F	G	H	J
MWD071~080AMS		1209	680	260	1100	515	920	197	920	207
MWD090~150AMS		1445	680	260	1337	515	1156	197	1156	207

## 6 Pipe Connection

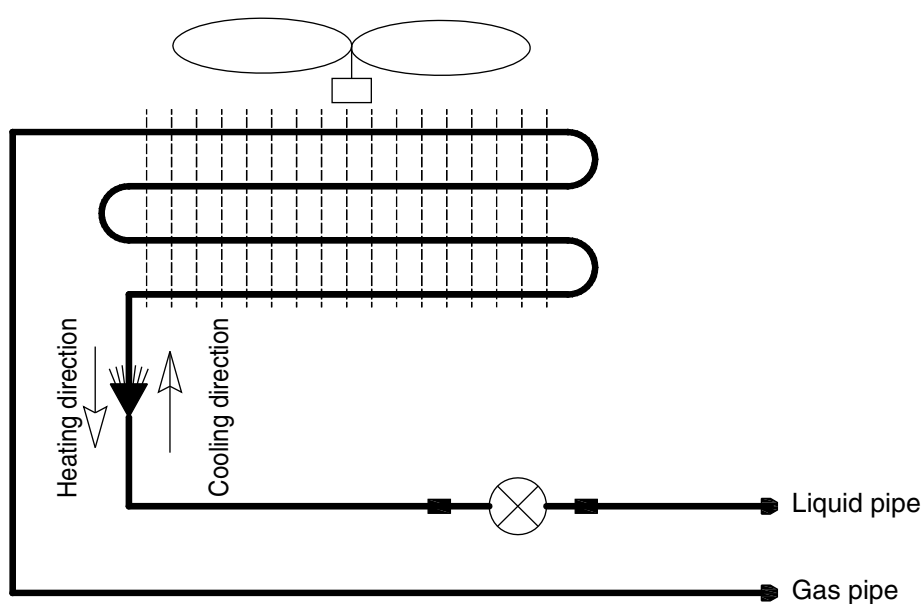


## 7 Center of Gravity



Indoor Unit model	Dimension code	Dimension of gravity center		
		A	B	C
MWD071~080AMS		600	320	130
MWD090~150AMS		710	320	130

## 8 Piping Diagram



Model	MWD071~150AMS
Liquid pipe	Φ9.52(flaring connection)
Gas pipe	Φ15.88(flaring connection)

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

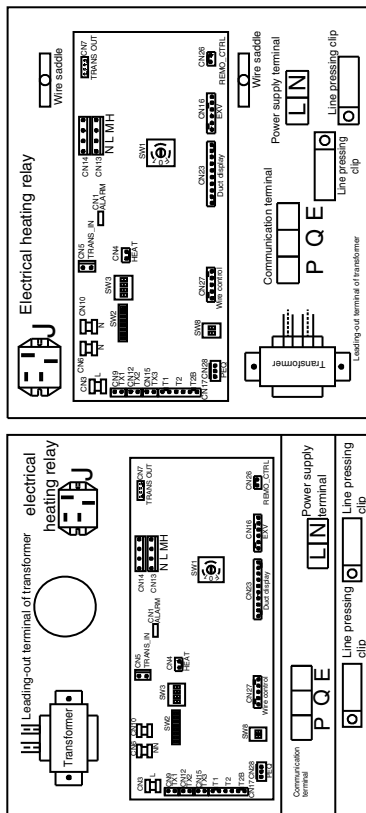
Wall-mounted Unit

Floor Ceiling Unit

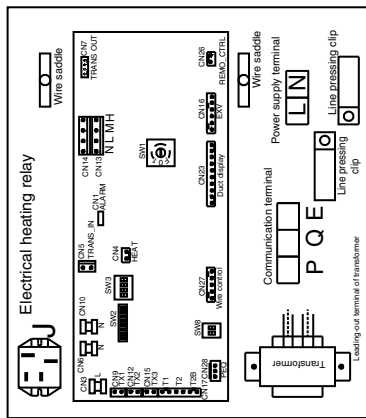
All Fresh Air Unit

## 9 Electrical Wiring Diagram

Low static pressure air hose electrical elements arrangement diagram



Standard static pressure air hose electrical elements arrangement diagram















Notice: Terminal has no earth connection bit, but needs to install earthing screws on electronic control box metal plate earth connection mark for field installation.

Note:



ON	OFF	Dial up to ON
ON	OFF	Dial up to digital side



Note: SW8 dial is for debugging, acquiesce in dialing up to digital side.

Heating temperature compensation value selection bit		
SW2 3rd and 4th place		Temperature selection
	(factory default)	6°C
		2°C
		4°C
		8°C

Temperature valve select bit of against cold air airlock		
SW2 5th and 6th place      Temperature selection		
 	(factory default)	15°C
 		20°C
 		24°C
 		26°C

Time selection of off-wind fan under heating mode		
SW2 7th and 8th place		Temperature selection
		(factory default)
		4 min
		8 min
		12 min
		16 min

Customize power down memory function according to contract		
SW3		With power down memory function
The 1st place		No power down memory function

Addressing mode select bit		
SW3		Automatic addressing mode (factory default)
		Test pattern (allowing address reset)
The 4th place		

Factory settings	
SW3	SW8
ON	ON
OFF	OFF
1	2
3	4
5	6
7	8

The horsepower of indoor unit which has been set before delivery can be reset through dial switch SW1 (16 bit dial disk) on indoor board. The horsepower indoor unit includes types below:

HP	0.8	1	1.2	1.7	2	2.5	3	3.2	4	5	6
Power	18/22	25/26	28/32	35/36	40/45	46/50	51/56	60/63	66/71	80/88	90/100
Capacity dial-up	0	1	2	3	4	5	6	7	8	9	9

Note:

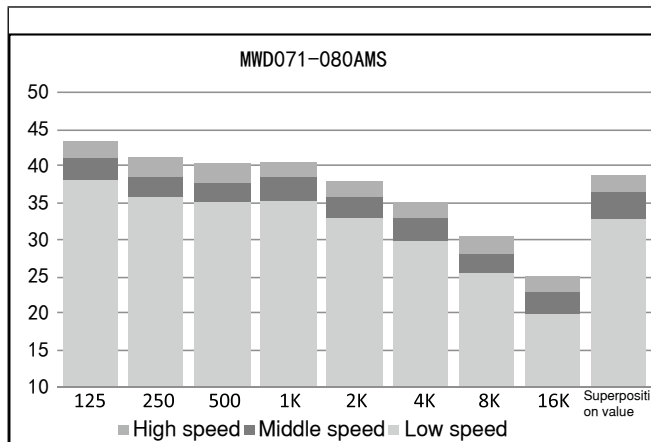
- Indoor electrical motor connects ultrahigh wind when leaving the factory, and place connecting line butt joints with black.
- If two of them are electrical motors, both connect ultrahigh wind when leaving the factory.
- Only charged heating type needs to install electrical heating relay and related connecting lines.
- Change to high wind on field installation according to the length of return air box and noise.

Remark:

- Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings.
- Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.

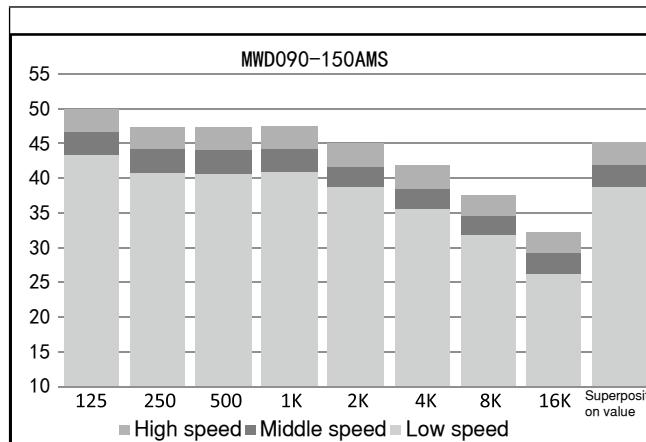


## 10 Sound Data



**Description:**

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of Indoor Unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



**Description:**

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of Indoor Unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.

**Indoor unit**

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

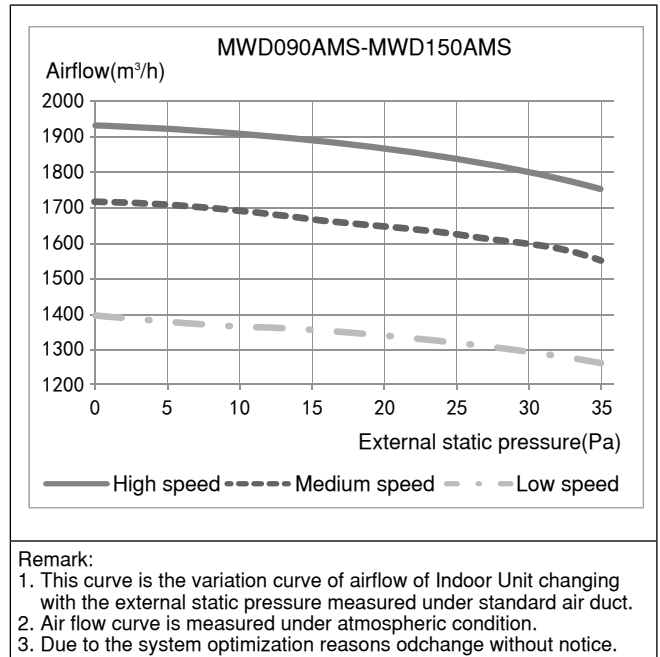
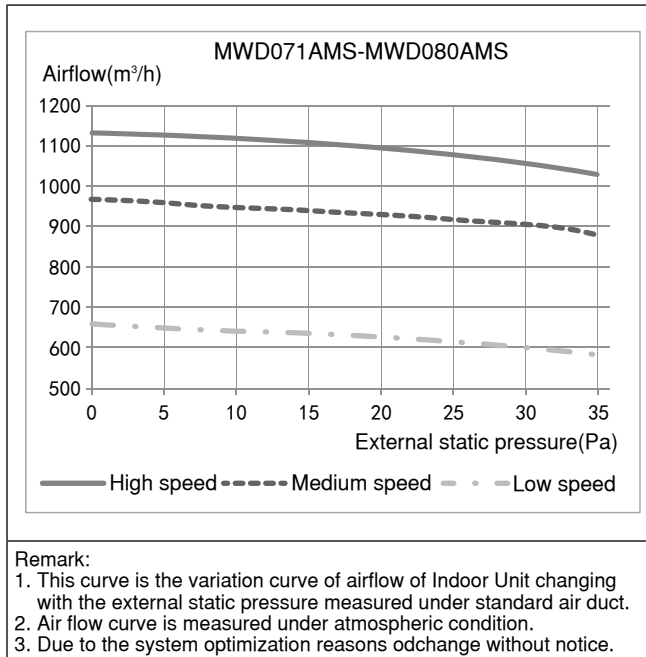
High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## 11 Fan Characteristics



## 12 Installation

There are two installation methods for Standard ESP Duct Unit: rear return air and down return air, which are as follows:

1. Rear return air, without building air passage for return air	
2. Rear return air, building air passage for return air Note: When connected to the air passage of return air, remove the automatic filter of Indoor Unit, and install at the new return air outlet	
3. Down return air	
4. Down return air, direct return air	

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

The on-site adjustment methods for the two installation methods of Standard ESP Duct Unit rear return air and the down return air are as follows:

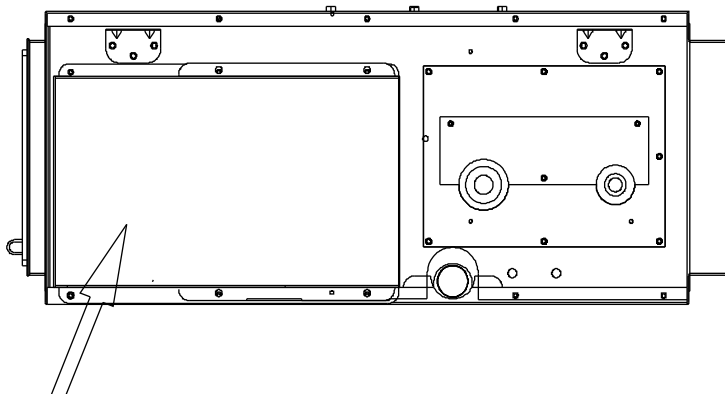
1. The rear return air method is the factory default mode; when there is a need to turn to the down return air, first remove the filter and return air board as shown	
2. Install reversely the return air board and filter screen, which becomes the down return air method	

Remark:

- 1.The body must be securely installed, and the body should be maintain horizontally, or it may cause water leakage.
- 2.The installation of the unit must be added to the repair port.
- 3.The repair port size is about 500x500mm; the position is as close as possible to the piping and the side of the electric control box.

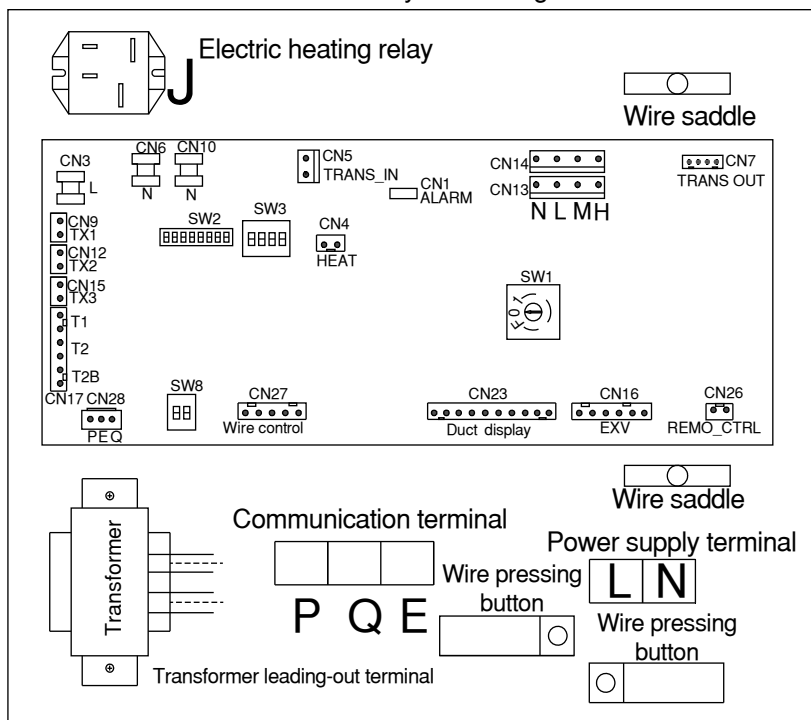
## 13 Electrical Box Connection

1. Take down the electronic control box cover pointed by the arrows as shown

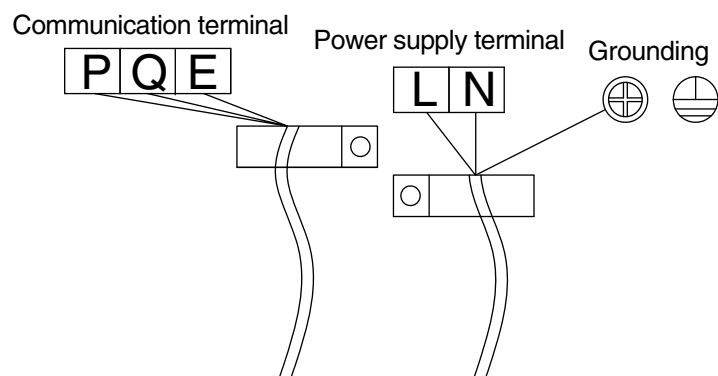


2. Refer to the following electrical layout

Standard ESP Duct Unit  
electric element layout drawing



3. As shown below, connect the power line and the indoor and outdoor communication lines respectively



Note: Due to continuous product updates and progress, the actual objects may differ from the wiring diagram, it is subject to the actual goods without prior notice.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

All Fresh Air  
Unit

# Medium ESP Duct Unit (50Pa Standard Static Pressure Duct Unit)



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# 1 Technical Specifications

Indoor units Model				MWD071AMMNAC MWD071AMMNBC MWD071AMMNCC		MWD080AMMNAC MWD080AMMNBC MWD080AMMNCC		
Cooling capacity			kW		7.1		8.0	
Heating capacity			kW		8.0		9.0	
Rated input power		Cooling	kW		0.16		0.16	
		Heating	kW		0.16		0.16	
Appearance	Color			\				
	Material			Galvanized steel sheet with insulation materials				
Size	Unit	Lengthx WidthxHeight	mm		1190x643x260			
Weight	Unit		kg		35		35	
Heat exchanger	Fin type			Hydrophilic				
Fans	Type			Centrifugal fan				
	Quantity			2				
	Airflow	Cooling/ Heating	High	m³/h		1150		
			Middle	m³/h		900		
			Low	m³/h		700		
	Static pressure		Pa		50			
Motor	Quantity			1				
	Rotate speed	Cooling/ Heating	High	rpm		1100		
			Middle	rpm		980		
			Low	rpm		820		
	Power (high speed)		w		160			
	Drive mode			AC drive				
Noise	Cooling/ Heating	High	dBA		43			
		Middle	dBA		40			
		Low	dBA		38			
Refrigerant	Type			R410a				
	Flow control			Electronic expansion valve				
Connecting pipe	Gas pipe	Connection method		Flaring connection				
		Pipe diameter	mm		Φ15.88			
	Liquid pipe	Connection method		Flaring connection				
		Pipe diameter	mm		Φ9.52			
	Drain pipe	Size (OD)		DN25				
		Drain-up height	mm		700			
Air Filer				PP+Nylon mesh				
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.				

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor units Model				MWD090AMMNAC MWD090AMMNBC MWD090AMMNCC		MWD100AMMNAC MWD100AMMNBC MWD100AMMNCC		
Specifications								
Cooling capacity			kW		9.0		10.0	
Heating capacity			kW		10.0		11.0	
Rated input power		Cooling	kW		0.3		0.3	
		Heating	kW		0.3		0.3	
Appearance	Color							
	Material				Galvanized steel sheet with insulation materials			
Size	Unit	Lengthx WidthxHeight	mm		1425×643×260			
Weight	Unit		kg		45		45	
Heat exchanger	Fin type				Hydrophilic			
Fans	Type				Centrifugal fan			
	Quantity				3			
	Airflow	Cooling/ Heating	High	m³/h		1800		
			Middle	m³/h		1550		
			Low	m³/h		1350		
	Static pressure		Pa		50			
Motor	Quantity				2			
	Rotate speed	Cooling/ Heating	High	rpm		1250		
			Middle	rpm		1100		
			Low	rpm		950		
	Power (high speed)		w		300			
	Drive mode				AC drive			
Noise	Cooling/ Heating	High	dBA		47			
		Middle	dBA		45			
		Low	dBA		43			
Refrigerant	Type				R410a			
	Flow control				Electronic expansion valve			
Connecting pipe	Gas pipe	Connection method		Flaring connection				
		Pipe diameter	mm	Φ15.88				
	Liquid pipe	Connection method		Flaring connection				
		Pipe diameter	mm	Φ9.52				
	Drain pipe	Size (OD)		DN25				
		Drain-up height	mm	700				
Air Filer				PP+Nylon mesh				
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.				

Indoor units Model				MWD120AMMNAC MWD120AMMNBC MWD120AMMNCC		MWD150AMMNAC MWD150AMMNBC MWD150AMMNCC		
Specifications								
Cooling capacity			kW		12.0		15.0	
Heating capacity			kW		13.0		17.0	
Rated input power		Cooling	kW		0.3		0.3	
		Heating	kW		0.3		0.3	
Appearance	Color							
	Material			Galvanized steel sheet with insulation materials				
Size	Unit	Length× Width×Height	mm		1425×643×260			
Weight	Unit		kg		45		45	
Heat exchanger	Fin type			Hydrophilic				
Fans	Type			Centrifugal fan				
	Quantity			3				
	Airflow	Cooling/ Heating	High	m³/h		1800		
			Middle	m³/h		1550		
			Low	m³/h		1350		
	Static pressure		Pa		50			
Motor	Quantity			2				
	Rotate speed	Cooling/ Heating	High	rpm		1250		
			Middle	rpm		1100		
			Low	rpm		950		
	Power (high speed)		w		300			
	Drive mode			AC drive				
Noise	Cooling/ Heating	High	dBA		47			
		Middle	dBA		45			
		Low	dBA		43			
Refrigerant	Type			R410a				
	Flow control			Electronic expansion valve				
Connecting pipe	Gas pipe	Connection method		Flaring connection				
		Pipe diameter	mm	Φ15.88				
	Liquid pipe	Connection method		Flaring connection				
		Pipe diameter	mm	Φ9.52				
	Drain pipe	Size (OD)		DN25				
		Drain-up height	mm	700				
Air Filer				PP+Nylon mesh				
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice. the unit parameters are subject to the factory nameplate.				

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## 2 Electrical Data

Indoor Unit model	Power supply					Running current	
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated Current	Fusing current
MWDO071AMMNAC**	AC	50Hz	220V	-10%	+10%	0.7A	5A
MWDO080AMMNAC**						0.7A	5A
MWDO090AMMNAC**						1.4A	5A
MWDO100AMMNAC**						1.4A	5A
MWDO120AMMNAC**						1.4A	5A
MWDO150AMMNAC**						1.4A	5A

Remark:

1. "\*\*\*\*" indicates that some model codes are omitted behind, but these codes do not affect the data in this form, as long as the model codes in front matches together, then the relevant data in the form can be applied.
2. Fusing current refers to the motherboard fusing current, excluding electric heating current.

## 3 Accessories Details

Accessory bag 1	
Name	Quantity
Wired controller	1 pcs
Wired controller connection line	1 pcs
Certificate	1 pcs
Wired controller warning identification	1 pcs
Instructions	1 pcs
Accessory bag 2	
High-pressure single-joint thermal insulation pipe	1 pcs
Low-pressure single-joint thermal insulation pipe	1 pcs
ribbon	6 pcs
Fork shaped pre-insulated terminal	3 pcs
Round shaped pre-insulated terminal	6 pcs

Note:

1. Warranty card is put in the accessory bag of outdoor unit.
2. Due to continuous product updates and progress, the actual accessories included may vary, so it is subject to the actual goods without

## 4 Performance table

### 4-1. Cooling capacity tables

Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TH	SH	TH	SH	TH	SH	TH	SH	TH	SH	TH	SH	TH	SH
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
71	10.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.3	5.0
	12.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.2	4.9
	14.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.1	4.9
	16.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.0	4.8
	18.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.8	4.7
	20.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.6	4.6
	21.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.5	4.5
	23.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.4	4.5
	25.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.3	4.4
	27.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.2	4.7	8.3	4.5
	29.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.1	4.7	8.2	4.5
	31.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.0	4.6	7.9	4.3
	33.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.9	4.6	7.9	4.3
	35.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.7	4.5	7.8	4.2
80	10.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	10.5	5.8
	12.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	10.3	5.7
	14.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	10.3	5.7
	16.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	10.1	5.6
	18.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.9	5.6
	20.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.7	5.5
	21.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.5	5.4
	23.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.5	5.3
	25.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.5	5.9	9.4	5.3
	27.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.2	5.7	9.3	5.2
	29.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.1	5.6	9.2	5.2
	31.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	9.0	5.5	8.9	5.1
	33.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	8.9	5.5	8.9	5.1
	35.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.5	5.8	8.7	5.3	8.7	5.1
90	10.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.8	6.6
	12.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.6	6.5
	14.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.5	6.4
	16.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.4	6.3
	18.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.1	6.3
	20.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.9	6.2
	21.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.7	6.1
	23.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.6	6.0
	25.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.5	6.0
	27.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.4	6.4	10.5	5.9
	29.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.2	6.2	10.4	5.8
	31.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.1	6.2	10.0	5.7
	33.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.0	6.1	10.0	5.7
	35.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.6	6.5	9.7	6.0	9.8	5.7
	37.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.4	6.3	9.6	5.9	9.7	5.8
	39.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.3	6.2	9.5	5.8	9.7	5.8

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TH	SH	TH	SH	TH	SH	TH	SH	TH	SH	TH	SH	TH	SH
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
71	10.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	13.1	7.6
	12.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	13.0	7.5
	14.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	12.8	7.3
	16.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	12.7	7.3
	18.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	12.6	7.2
	20.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	12.5	7.2
	21.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	12.0	7.5	12.4	7.1
	23.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	11.8	7.3	12.3	7.0
	25.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	11.7	7.3	12.2	7.0
	27.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	11.6	7.2	12.0	6.9
	29.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	11.5	7.1	11.9	7.0
	31.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	11.4	7.0	11.4	6.6
	33.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.8	7.3	11.2	7.0	11.1	6.5
	35.0	7.0	5.8	8.3	6.5	9.4	7.0	10.0	7.1	10.7	7.2	11.1	6.9	10.9	6.4
80	10.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	15.7	8.9
	12.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	15.4	8.8
	14.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	15.3	8.7
	16.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	15.1	8.6
	18.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	14.7	8.3
	20.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	14.4	8.2
	21.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	14.2	8.1
	23.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.0	8.5	14.0	8.0
	25.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.9	8.4	13.9	7.9
	27.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.8	8.3	13.8	8.0
	29.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.7	8.2	13.7	7.9
	31.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.5	8.2	13.2	7.6
	33.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.4	8.1	13.2	7.6
	35.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	12.9	8.5	12.9	7.8	12.9	7.6
90	10.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	19.6	10.9
	12.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	19.3	10.8
	14.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	19.2	10.7
	16.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	18.9	10.5
	18.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	18.4	10.2
	20.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	18.1	10.1
	21.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	17.8	9.9
	23.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.7	10.9	17.7	9.8
	25.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.5	10.8	17.5	9.7
	27.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.4	10.7	17.4	9.8
	29.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.2	10.6	17.2	9.7
	31.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.1	10.5	16.6	9.4
	33.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	16.9	10.4	16.6	9.4
	35.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.8	10.4	16.3	10.0	16.3	9.4
	37.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.6	10.3	16.3	10.0	16.2	9.3
	39.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.3	10.1	15.7	9.8	16.2	9.5

Remark:

1. This unit design and executive standard GB/T 18837-2015.
2. The above-said indoor unit capacity test conditions: refrigerant piping equivalent length is of 5 m; falling is 0 m.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.
4. TC: Total Cooling Capacity  
SH: Sensible Heat Capacity



## 4-2. Heating capacity tables

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	KW	KW	KW	KW	KW	KW
71	-15.0	-14.7	5.05	5.05	5.04	5.04	5.03	5.03
	-13.0	-12.6	5.37	5.37	5.36	5.36	5.35	5.35
	-11.0	-10.5	5.61	5.61	5.60	5.60	5.59	5.59
	-10.0	-9.5	5.85	5.85	5.84	5.84	5.83	5.83
	-9.1	-8.5	6.01	6.01	6.00	6.00	5.99	5.99
	-7.6	-7.0	6.09	6.09	6.08	6.08	6.07	6.07
	-5.6	-5.0	6.33	6.33	6.32	6.32	6.31	6.31
	-3.7	-3.0	6.65	6.65	6.64	6.64	6.63	6.63
	-0.7	0.0	7.13	7.13	7.12	7.12	7.11	6.71
	2.2	3.0	7.53	7.53	7.52	7.52	7.35	6.71
	4.1	5.0	7.77	7.77	7.76	7.76	7.35	6.71
	6.0	7.0	8.01	8.01	8.00	7.76	7.35	6.71
	7.9	9.0	8.25	8.25	8.08	7.79	7.36	6.72
	9.8	11.0	8.49	8.49	8.15	7.82	7.36	6.72
80	11.8	13.0	8.81	8.65	8.21	7.87	7.37	6.73
	13.7	15.0	9.05	8.65	8.26	7.92	7.37	6.73
	-15.0	-14.7	5.68	5.68	5.67	5.67	5.66	5.66
	-13.0	-12.6	6.04	6.04	6.03	6.03	6.02	6.02
	-11.0	-10.5	6.31	6.31	6.30	6.30	6.29	6.29
	-10.0	-9.5	6.58	6.58	6.57	6.57	6.56	6.56
	-9.1	-8.5	6.76	6.76	6.75	6.75	6.74	6.74
	-7.6	-7.0	6.85	6.85	6.84	6.84	6.83	6.83
	-5.6	-5.0	7.12	7.12	7.11	7.11	7.10	7.10
	-3.7	-3.0	7.48	7.48	7.47	7.47	7.46	7.46
	-0.7	0.0	8.02	8.02	8.01	8.01	8.00	7.55
	2.2	3.0	8.47	8.47	8.46	8.46	8.27	7.55
	4.1	5.0	8.74	8.74	8.73	8.73	8.27	7.55
	6.0	7.0	9.01	9.01	9.00	8.73	8.27	7.55
90	7.9	9.0	9.28	9.28	9.04	8.78	8.28	7.56
	9.8	11.0	9.56	9.56	9.11	8.84	8.28	7.56
	11.8	13.0	9.91	9.73	9.16	8.89	8.29	7.57
	13.7	15.0	10.18	9.73	9.23	9.02	8.32	7.59
	-15.0	-14.7	6.31	6.31	6.30	6.30	6.29	6.29
	-13.0	-12.6	6.71	6.71	6.70	6.70	6.69	6.69
	-11.0	-10.5	7.01	7.01	7.00	7.00	5.99	5.99
	-10.0	-9.5	7.31	7.31	7.30	7.30	7.29	7.29
	-9.1	-8.5	7.51	7.51	7.50	7.50	7.49	7.49
	-7.6	-7.0	7.61	7.61	7.60	7.60	7.59	7.59
	-5.6	-5.0	7.91	7.91	7.90	7.90	7.89	7.89
	-3.7	-3.0	8.31	8.31	8.30	8.30	8.29	8.29
	-0.7	0.0	8.91	8.91	8.90	8.90	8.89	8.39
	2.2	3.0	9.41	9.41	9.40	9.40	9.19	8.39
	4.1	5.0	9.82	9.79	9.70	9.60	9.19	8.39
	6.0	7.0	10.01	10.00	10.00	9.70	9.20	8.40
	7.9	9.0	10.31	10.31	10.07	9.75	9.23	8.40
	9.8	11.0	10.59	10.59	10.15	9.82	9.28	8.41
	11.8	13.0	11.01	10.81	10.21	9.86	9.32	8.43
	13.7	15.0	11.31	10.81	10.29	9.90	9.37	8.44

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

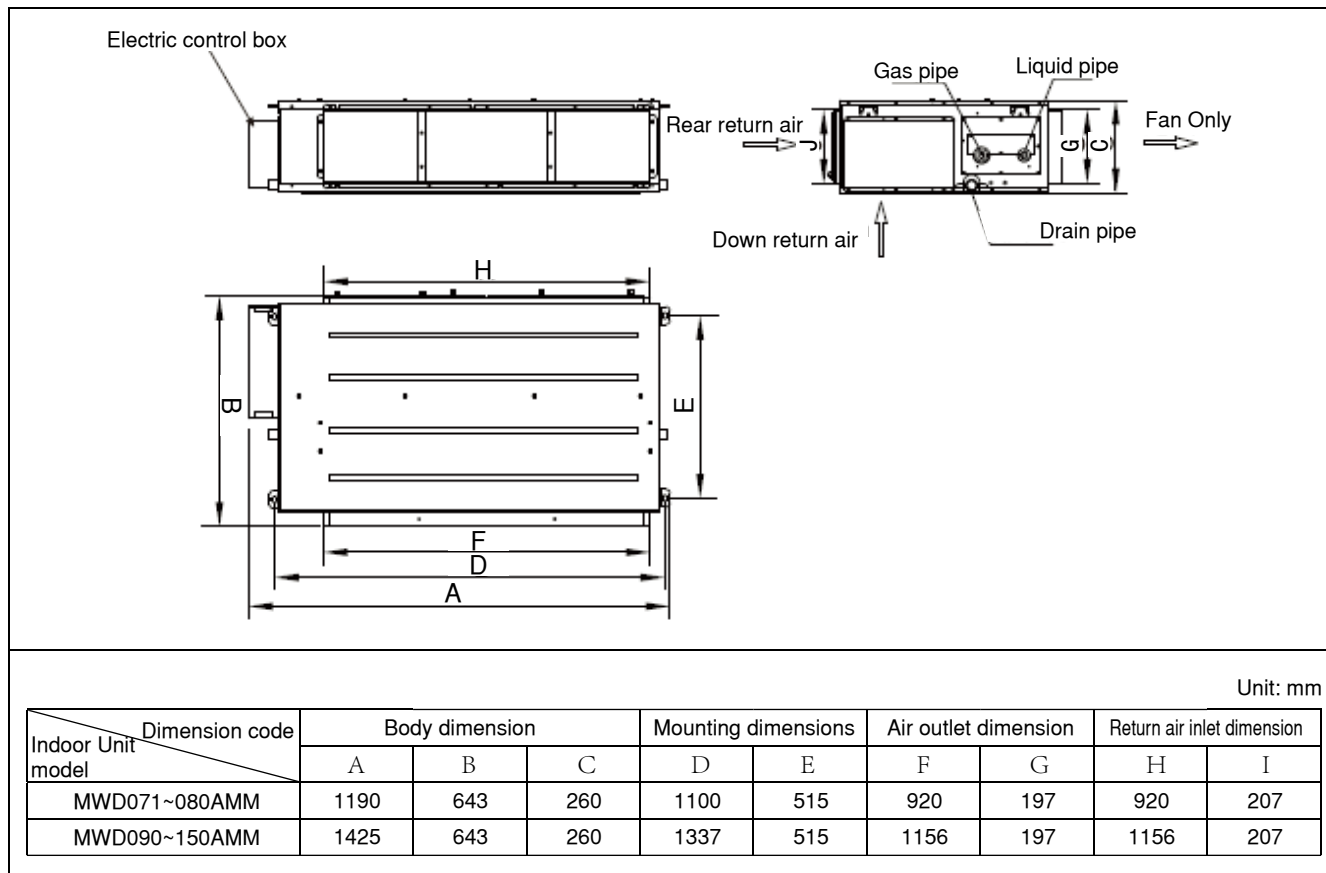
All Fresh Air Unit

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	KW	KW	KW	KW	KW	KW
100	-15.0	-14.7	6.94	6.94	6.93	6.93	6.92	6.92
	-13.0	-12.6	7.38	7.38	7.37	7.37	7.36	7.36
	-11.0	-10.5	7.71	7.71	7.70	7.70	7.69	7.69
	-10.0	-9.5	8.04	8.04	8.03	8.03	8.02	8.02
	-9.1	-8.5	8.26	8.26	8.25	8.25	8.24	8.24
	-7.6	-7.0	8.37	8.37	8.36	8.36	8.35	8.35
	-5.6	-5.0	8.70	8.70	8.69	8.69	8.68	8.68
	-3.7	-3.0	9.14	9.14	9.13	9.13	9.12	9.12
	-0.7	0.0	9.80	9.80	9.79	9.79	9.78	9.23
	2.2	3.0	10.35	10.35	10.34	10.34	10.12	9.23
	4.1	5.0	10.68	10.68	10.67	10.67	10.12	9.23
	6.0	7.0	11.01	11.00	11.00	10.69	10.13	9.24
	7.9	9.0	11.34	11.34	11.08	10.74	10.15	9.26
	9.8	11.0	11.67	11.67	11.15	10.79	10.19	9.28
120	-15.0	-14.7	8.33	8.33	8.31	8.31	8.30	8.30
	-13.0	-12.6	8.87	8.87	8.85	8.85	8.84	8.84
	-11.0	-10.5	9.27	9.27	9.25	9.25	9.24	9.24
	-10.0	-9.5	9.68	9.68	9.66	9.66	9.65	9.65
	-9.1	-8.5	9.95	9.95	9.93	9.93	9.92	9.92
	-7.6	-7.0	10.08	10.08	10.06	10.06	10.05	10.05
	-5.6	-5.0	10.49	10.49	10.47	10.47	10.46	10.46
	-3.7	-3.0	11.03	11.03	11.01	11.01	11.00	11.00
	-0.7	0.0	11.84	11.84	11.82	11.82	11.80	11.13
	2.2	3.0	12.51	12.51	12.49	12.49	12.21	11.13
	4.1	5.0	12.92	12.92	12.90	12.90	12.21	11.13
	6.0	7.0	13.32	13.02	13.00	12.95	12.22	11.14
	7.9	9.0	13.73	13.73	13.08	12.99	12.25	11.19
	9.8	11.0	14.43	14.13	13.13	13.05	12.29	11.24
150	-15.0	-14.7	10.72	10.72	10.71	10.71	10.70	10.70
	-13.0	-12.6	11.40	11.40	11.39	11.39	11.38	11.38
	-11.0	-10.5	11.91	11.91	11.90	11.90	11.89	11.89
	-10.0	-9.5	12.42	12.42	12.41	12.41	12.40	12.40
	-9.1	-8.5	12.76	12.76	12.75	12.75	12.74	12.74
	-7.6	-7.0	12.93	12.93	12.92	12.92	12.91	12.91
	-5.6	-5.0	13.44	13.44	13.43	13.43	13.42	13.42
	-3.7	-3.0	14.12	14.12	14.11	14.11	14.10	14.10
	-0.7	0.0	15.14	15.14	15.13	15.13	15.12	14.27
	2.2	3.0	15.99	15.99	15.98	15.98	15.63	14.27
	4.1	5.0	16.50	16.50	16.49	16.49	15.63	14.27
	6.0	7.0	17.01	17.01	17.00	16.55	15.63	14.28
	7.9	9.0	17.52	17.52	17.09	16.62	15.64	14.29
	9.8	11.0	18.03	18.03	17.15	16.69	15.66	14.32
	11.8	13.0	18.71	18.37	17.21	16.75	15.69	14.35
	13.7	15.0	19.22	18.37	17.28	16.86	15.73	14.38

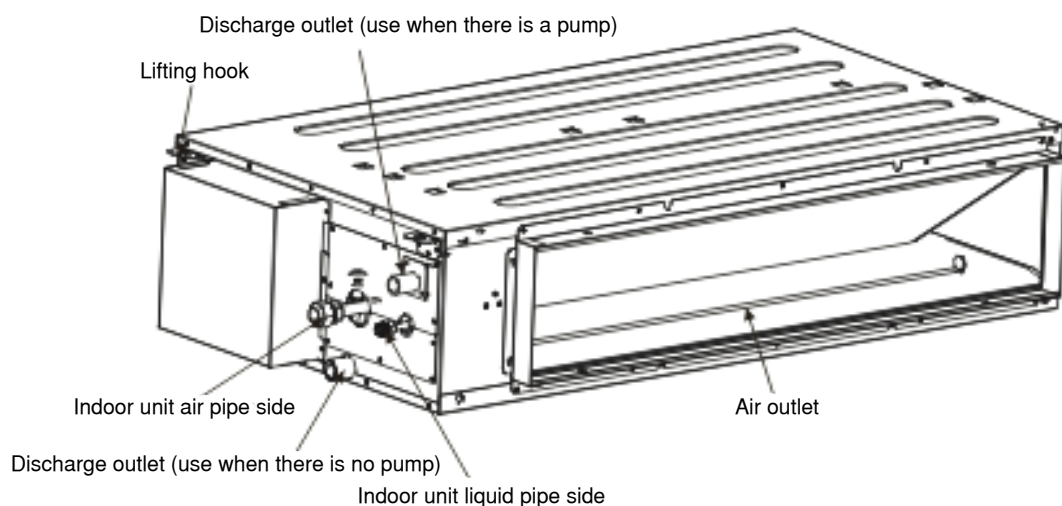
Remark:

- 1.This unit design and executive standard GB/T 18837-2015.
- 2.The above-said indoor unit capacity test conditions: refrigerant piping equivalent length is of 5 m; falling is 0 m.
- 3.Due to the system optimization reasons of this product, the data are subject to change without notice.
- 4.TH: Total heating capacity

## 5 Dimensional Drawings



## 6 Pipe Connection



Note: the electronic expansion valve of this model is integrated inside the unit

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

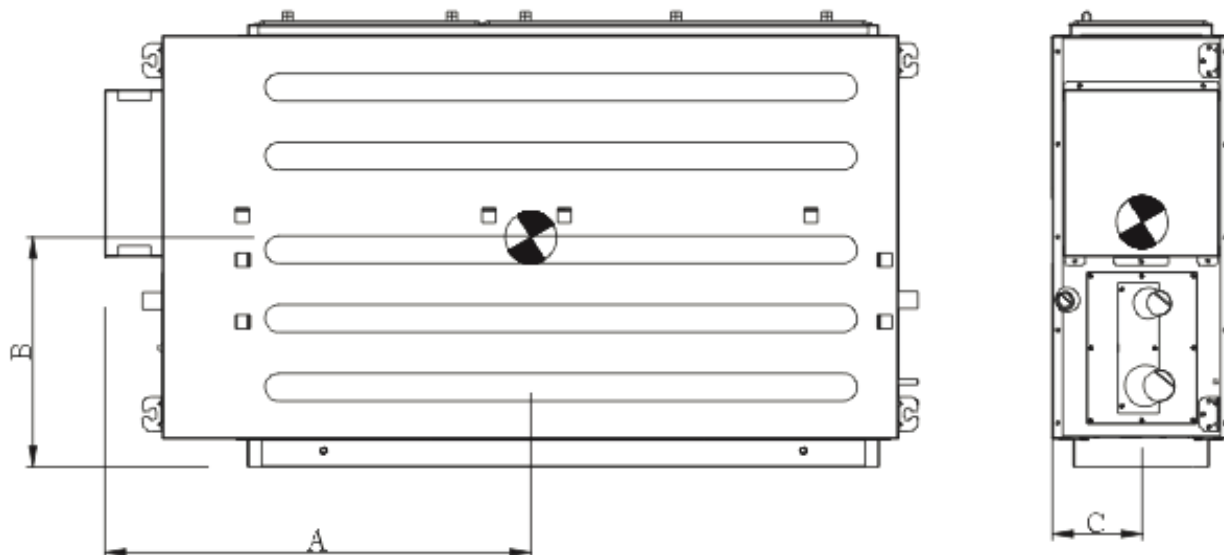
High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

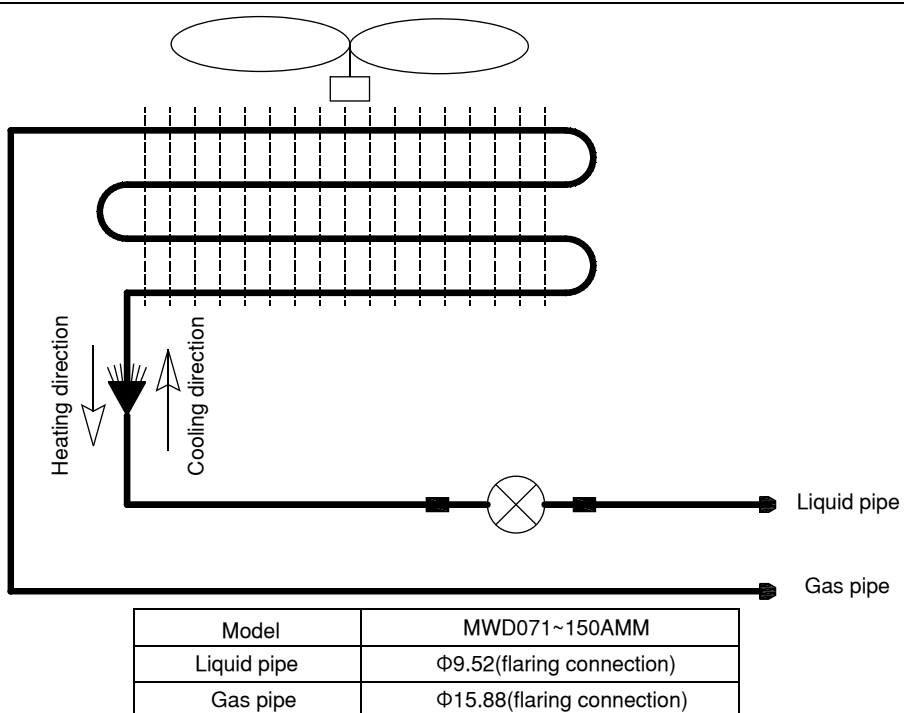
All Fresh Air Unit

## 7 Center of Gravity



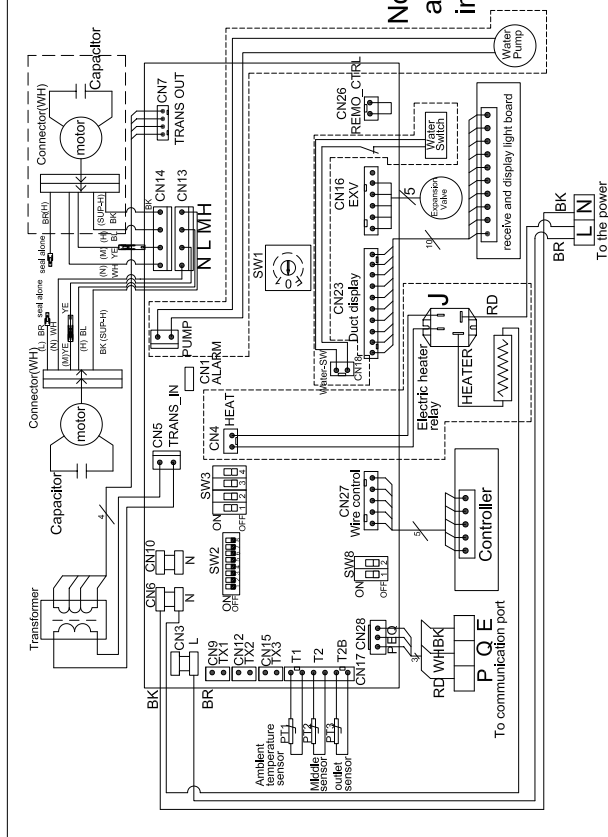
Indoor Unit model	Dimension code	Dimension of gravity center		
		A	B	C
MWD071~080AMM		600	320	130
MWD090~150AMM		710	320	130

## 8 Piping Diagram



## 9 Electrical Wiring Diagram

Electrical components layout of Standard static pressure duct



Note: No access terminal position, but to be grounded in a standard electronic control box sheet metal screws to install ground for on-site installation of ground.

Note: That DIP to ON

ON	OFF
ON	OFF

Note: SW8 dial code used for debugging, the default number allocated to the end

ON	OFF
ON	OFF

Note: Not specified dial code, the default allocated to the digital side.

ON	OFF
ON	OFF

According to the contract custom power lost memory functions

ON	OFF
ON	OFF

SW3 power-down memory

ON	OFF
ON	OFF

NO.1 No power-down memory

ON	OFF
ON	OFF

Mode Select bits

ON	OFF
ON	OFF

SW3 Automatic Addressing mode and ( Factory default)

ON	OFF
ON	OFF

NO.4 Test mode (to allow clear address)

ON	OFF
ON	OFF

Factory default

ON	OFF
ON	OFF

SW3 SW8 SW2

ON	OFF
ON	OFF

The power (PH) of indoor units can be set through DIP switch SW1(16-bit disc DIP) on the indoor control panel before delivery, the detailed information is as follows:

HP	0.8	1	1.2	1.7	2	2.5	3	3.2	4	5	6
Power	18/22	25/26/28	32/35/36	40/45/46	51/56	60/66/71	80/88/90	100/110/112	120/125/140	150/160	
Dial code	0	1	2	3	4	5	6	7	8	9	9

### Remarks:

1. Fan motor's factory default setting is Middle speed, the connection wire is yellow to yellow.
2. If unit have 2 motors, then both motors factory default settings are middle speed.
3. Relay and relative connection wires of electrical heater need installing only for the units with electrical heater.
4. on-site installation can be selected according to the length of the return air box and noise changed to high windshield.

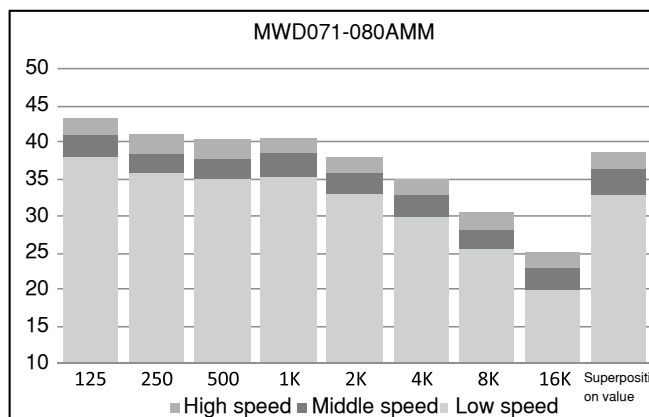
### Remark:

1. Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings.
2. Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.

Indoor unit

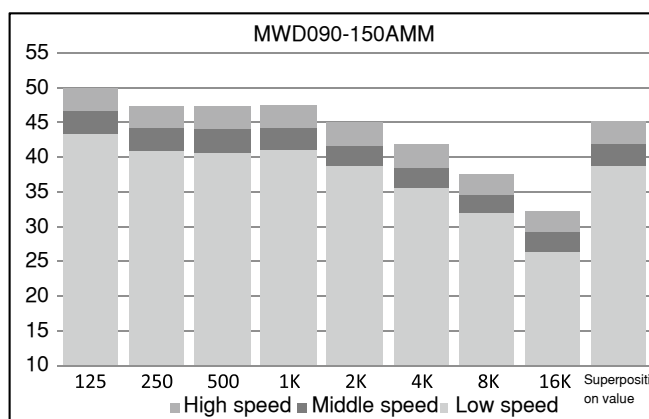
- 1-way cassette Unit
- 2-way Cassette Unit
- 4-way Cassette Unit
- Slim Duct Unit
- Standard ESP Duct Unit
- Medium ESP Duct Unit
- High ESP Duct Unit
- Wall-mounted Unit
- Floor Ceiling Unit
- All Fresh Air Unit

## 10 Sound Data



**Description:**

- 1.Noise measured at the actual value measured in the semi-anechoic chamber.
- 2.Noise measurement standard as per GB/T 18837-2015.
- 3.Model of Indoor Unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.

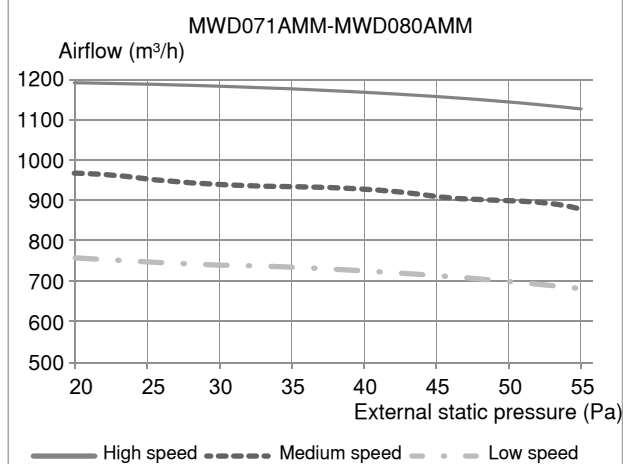


**Description:**

- 1.Noise measured at the actual value measured in the semi-anechoic chamber.
- 2.Noise measurement standard as per GB/T 18837-2015.
- 3.Model of Indoor Unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.

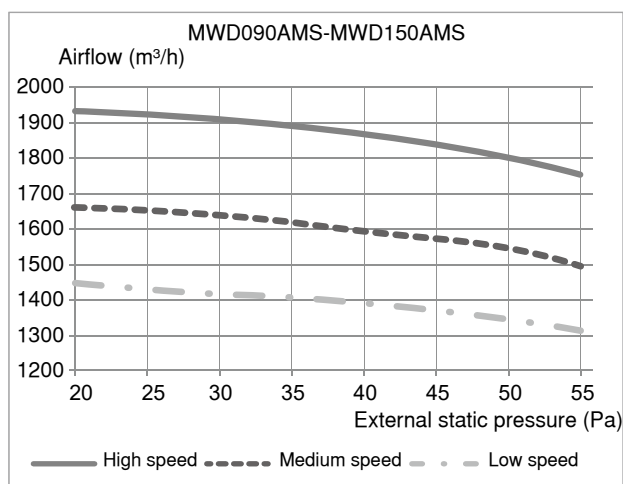


# 11 Fan Characteristics



**Remark:**

- 1.This curve is the variation curve of airflow of Indoor Unit changing with the external static pressure measured under standard air duct.
- 2.Air flow curve is measured under atmospheric condition.
- 3.Due to the system optimization reasons odchange without notice.



**Remark:**

- 1.This curve is the variation curve of airflow of Indoor Unit changing with the external static pressure measured under standard air duct.
- 2.Air flow curve is measured under atmospheric condition.
- 3.Due to the system optimization reasons odchange without notice.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

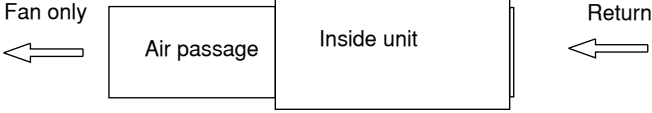
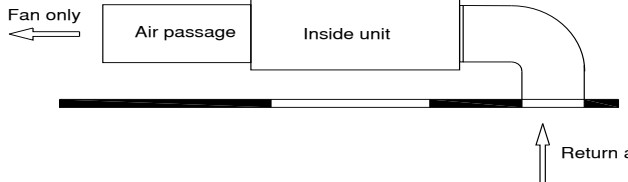
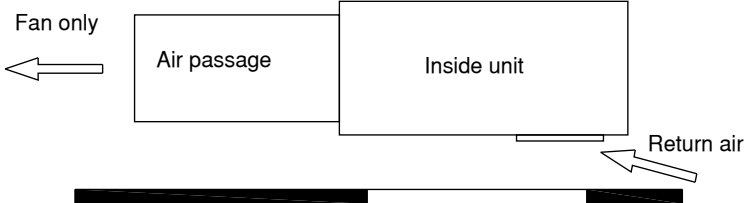

Wall-mounted  
Unit

Floor Ceiling  
Unit

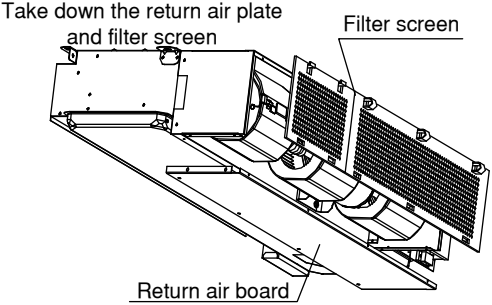
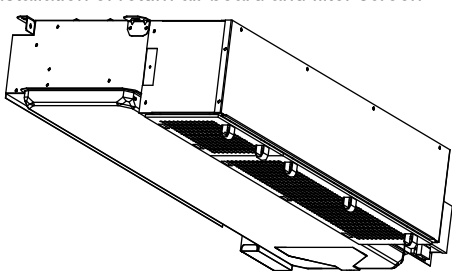
All Fresh Air  
Unit

## 12 Installation

There are two installation methods for Standard Static Pressure Duct unit: rear return air and down return air, which are as follows:

1. Rear return air, without building air passage for return air	
2. Rear return air, building air passage for return air Note: When connected to the air passage of return air, remove the automatic filter of Indoor Unit, and install at the new return air outlet	
3. Down return air	
4. Down return air, direct return air	

The on-site adjustment methods for the two installation methods of Standard Static Pressure Duct unit rear return air and the down return air are as follows:

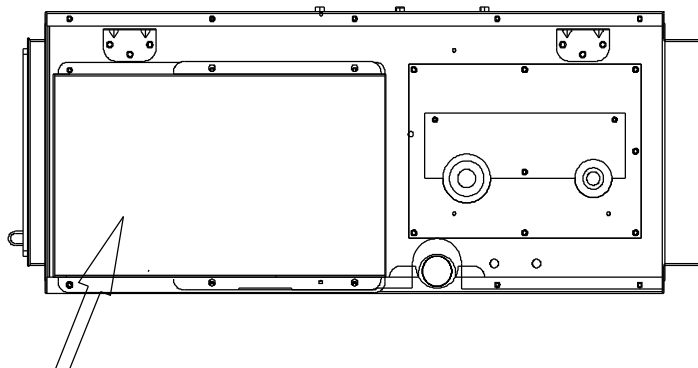
1. The rear return air method is the factory default mode; when there is a need to turn to the down return air, first remove the filter and return air board as shown	
2. Install reversely the return air board and filter screen, which becomes the down return air method	

Remark:

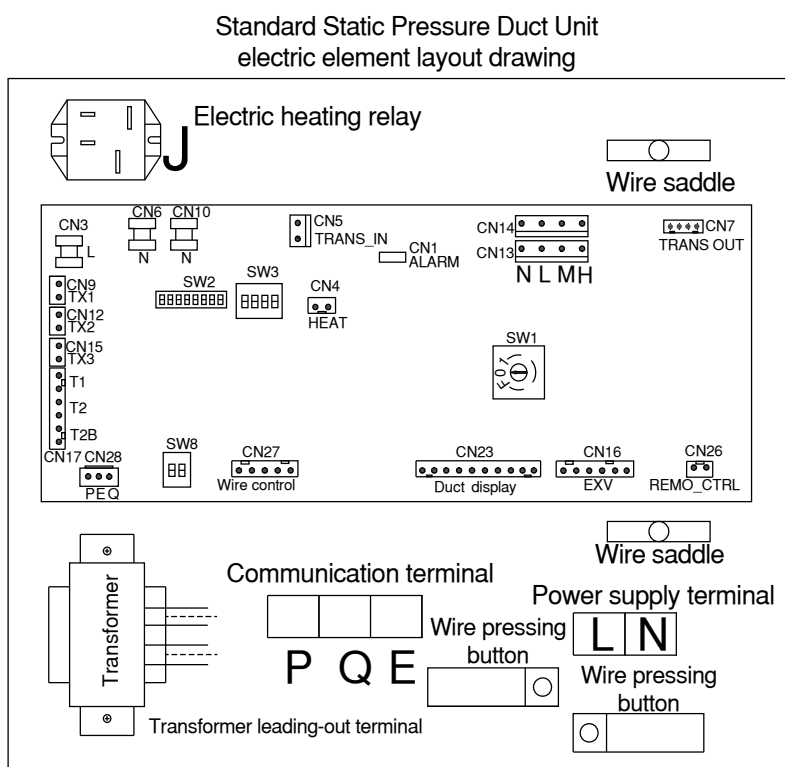
1. The body must be securely installed, and the body should be maintain horizontally, or it may cause water leakage.
2. The installation of the unit must be added to the repair port.
3. The repair port size is about 500x500mm; the position is as close as possible to the piping and the side of the electric control box.

## 13 Electrical Box Connection

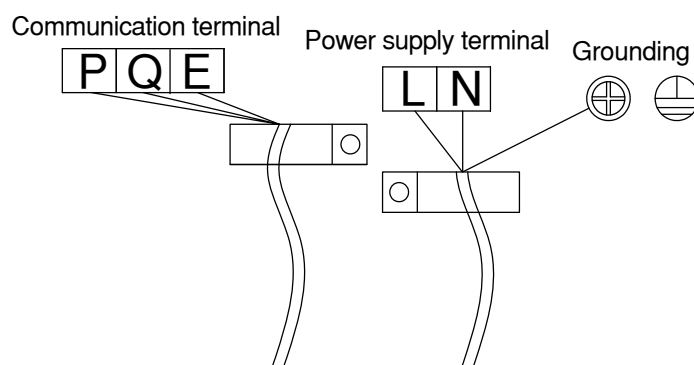
1. Take down the electronic control box cover pointed by the arrows as shown



2. Refer to the following electrical layout



3. As shown below, connect the power line and the indoor and outdoor communication lines respectively



Note: Due to continuous product updates and progress, the actual objects may differ from the wiring diagram, it is subject to the actual goods without prior notice.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

All Fresh Air  
Unit

# Medium ESP Duct Unit (50Pa Ultra Slim Duct Unit)



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# 1 Technical Specifications

Indoor units Model				MWD022AMMNAB MWD022AMMNBB MWD022AMMNCB		MWD025AMMNAB MWD025AMMNBB MWD025AMMNCB		MWD028AMMNAB MWD028AMMNBB MWD028AMMNCB		
Specifications										
Cooling capacity			kW		2.2		2.5		2.8	
Heating capacity			kW		2.5		2.8		3.2	
Rated input power		Cooling	kW		0.075		0.075		0.075	
		Heating	kW		0.075		0.075		0.075	
Appearance	Color				\					
	Material				Galvanized steel sheet with insulation materials					
Size	Unit	Length× Width×Height	mm		814×476×210					
Weight	Unit		kg		16		16		16	
Heat exchanger	Fin type				Hydrophilic					
Fans	Type				Centrifugal fan					
	Quantity				1					
	Airflow	Cooling	High	m³/h	500					
			Middle	m³/h	350					
			Low	m³/h	250					
		Heating	High	m³/h	500					
			Middle	m³/h	400					
			Low	m³/h	350					
	Static pressure		Pa		50					
Motor	Quantity				1					
	Rotate speed	Cooling/ Heating	High	rpm	1250					
			Middle	rpm	1180					
			Low	rpm	1080					
	Power (high speed)		w		75					
	Drive mode				AC drive					
Noise	Cooling/ Heating	High	dBA	40						
		Middle	dBA	38						
		Low	dBA	36						
Refrigerant	Type				R410a					
	Flow control				Electronic expansion valve					
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ9.52						
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ6.35						
	Drain pipe	Size (OD)		DN25						
		Drain-up height	mm	0						
Air Filer				Aluminum frame+Nylon mesh						
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.						

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## Technical Specifications

Indoor units Model				MWD032AMMNAB MWD032AMMNBB MWD032AMMNBB		MWD036AMMNAB MWD036AMMNBB MWD036AMMNBB		MWD040AMMNAB MWD040AMMNBB MWD040AMMNBB			
Specifications											
Cooling capacity			kW		3.2		3.6		4.0		
Heating capacity			kW		3.5		4.0		4.5		
Rated input power		Cooling	kW		0.075		0.075		0.075		
		Heating	kW		0.075		0.075		0.075		
Appearance	Color			\							
	Material			Galvanized steel sheet with insulation materials							
Size	Unit	Lengthx WidthxHeight	mm		814×476×210						
Weight	Unit		kg		16.5		16.5		16.5		
Heat exchanger	Fin type			Hydrophilic							
Fans	Type			Centrifugal fan							
	Quantity			1							
	Airflow	Cooling	High	m³/h	500				600		
			Middle	m³/h	350				530		
			Low	m³/h	250				500		
		Heating	High	m³/h	500				600		
			Middle	m³/h	400				530		
			Low	m³/h	350				500		
	Static pressure		Pa		50						
Motor	Quantity			1							
	Rotate speed	Cooling/ Heating	High	rpm	1250				1380		
			Middle	rpm	1180				1250		
			Low	rpm	1080				1180		
	Power (high speed)		w		75				90		
	Drive mode			AC drive							
Noise	Cooling/ Heating	High	dBA	40				40			
		Middle	dBA	38				38			
		Low	dBA	36				36			
Refrigerant	Type			R410a							
	Flow control			Electronic expansion valve							
Connecting pipe	Gas pipe	Connection method		Flaring connection							
		Pipe diameter	mm	Φ12.7							
	Liquid pipe	Connection method		Flaring connection							
		Pipe diameter	mm	Φ6.35							
	Drain pipe	Size (OD)		DN25							
		Drain-up height	mm	0							
Air Filer				Aluminum frame+Nylon mesh							
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.							



Indoor units Model				MWD045AMMNAB MWD045AMMNBB MWD045AMMNBB		MWD050AMMNAB MWD050AMMNBB MWD050AMMNBB		MWD056AMMNAB MWD056AMMNBB MWD056AMMNBB		
Specifications										
Cooling capacity			kW		4.5		5.0		5.6	
Heating capacity			kW		5.0		5.6		6.3	
Rated input power		Cooling	kW		0.09		0.1		0.1	
		Heating	kW		0.09		0.1		0.1	
Appearance	Color				\					
	Material				Galvanized steel sheet with insulation materials					
Size	Unit	Lengthx WidthxHeight	mm		814×476×210		1010×476×210			
Weight	Unit		kg		16.5		21		21	
Heat exchanger	Fin type				Hydrophilic					
Fans	Type				Centrifugal fan					
	Quantity				1					
	Airflow	Cooling	High	m³/h	600		800			
			Middle	m³/h	530		650			
			Low	m³/h	500		550			
		Heating	High	m³/h	600		800			
			Middle	m³/h	530		650			
			Low	m³/h	500		550			
	Static pressure		Pa		50					
Motor	Quantity				1					
	Rotate speed	Cooling/ Heating	High	rpm	1380		1320			
			Middle	rpm	1250		1040			
			Low	rpm	1180		840			
	Power (high speed)		w		90		100			
	Drive mode				AC drive					
Noise	Cooling/ Heating	High	dBA		40		40			
		Middle	dBA		38		36			
		Low	dBA		36		33			
Refrigerant	Type				R410a					
	Flow control				Electronic expansion valve					
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ12.7						
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ6.35						
	Drain pipe	Size (OD)		DN25						
		Drain-up height	mm	0						
Air Filer				Aluminum frame+Nylon mesh						
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.						

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor units Model				MWD063AMMNAB MWD063AMMNBB MWD063AMMNCB		MWD071AMMNAB MWD071AMMNBB MWD071AMMNCB	
Cooling capacity		kW		6.3		7.1	
Heating capacity		kW		7.1		8.0	
Rated input power	Cooling	kW		0.11		0.11	
	Heating	kW		0.11		0.11	
Appearance	Color			\			
	Material			Galvanized steel sheet with insulation materials			
Size	Unit	Length× Width×Height	mm	1214×476×210			
Weight	Unit		kg	25.5		25.5	
Heat exchanger	Fin type			Hydrophilic			
Fans	Type			Centrifugal fan			
	Quantity			1			
	Airflow	Cooling	High	m³/h	1000		
			Middle	m³/h	800		
			Low	m³/h	600		
		Heating	High	m³/h	1000		
			Middle	m³/h	800		
			Low	m³/h	600		
	Static pressure		Pa		50		
Motor	Quantity			1			
	Rotate speed	Cooling/ Heating	High	rpm	1360		
			Middle	rpm	1260		
			Low	rpm	1040		
	Power (high speed)		w		110		
Drive mode			AC drive				
Noise	Cooling/ Heating	High	dBA	42			
		Middle	dBA	40			
		Low	dBA	37			
Refrigerant	Type			R410a			
	Flow control			Electronic expansion valve			
Connecting pipe	Gas pipe	Connection method		Flaring connection			
		Pipe diameter	mm	Φ15.88			
	Liquid pipe	Connection method		Flaring connection			
		Pipe diameter	mm	Φ9.52			
	Drain pipe	Size (OD)		DN25			
		Drain-up height	mm	0			
Air Filer				Aluminum frame+Nylon mesh			
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.			

## 2 Electrical Data

Indoor Unit model	Power supply					Running current	
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated Current	Fusing current
MWDO022AMMNAC**	AC	50Hz	220V	-10%	+10%	0.3A	5A
MWDO025AMMNAC**						0.3A	5A
MWDO028AMMNAC**						0.3A	5A
MWDO032AMMNAC**						0.3A	5A
MWDO036AMMNAC**						0.3A	5A
MWDO040AMMNAC**						0.4A	5A
MWDO045AMMNAC**						0.4A	5A
MWDO050AMMNAC**						0.5A	5A
MWDO056AMMNAC**						0.5A	5A
MWDO063AMMNAC**						0.5A	5A
MWDO071AMMNAC**						0.5A	5A

Remark:

1. "\*" indicates that some model codes are omitted behind, but these codes do not affect the data in this form, as long as the model codes in front matches together, then the relevant data in the form can be applied.
2. Fusing current refers to the motherboard fusing current, excluding electric heating current.

## 3 Accessories Details

Accessory bag 1	
Name	Quantity
Wired controller	1 pcs
Wired controller connection line	1 pcs
Certificate	1 pcs
Wired controller warning identification	1 pcs
Instructions	1 pcs
Accessory bag 2	
High-pressure single-joint thermal insulation pipe	1 pcs
Low-pressure single-joint thermal insulation pipe	1 pcs
ribbon	6 pcs
Fork shaped pre-insulated terminal	3 pcs
Round shaped pre-insulated terminal	6 pcs
Other	

Note:

1. Warranty card is put in the accessory bag of outdoor unit.
2. Due to continuous product updates and progress, the actual accessories included may vary, so it is subject to the actual goods without

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

All Fresh Air  
Unit

## 4 Capacity Tables

### 4-1. Cooling capacity tables

Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TH	SH	TH	SH	TH	SH	TH	SH	TH	SH	TH	SH	TH	SH
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
22	10.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	3.0	1.7
	12.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.9	1.6
	14.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.9	1.6
	16.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.9	1.6
	18.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.9	1.6
	20.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.8	1.5
	21.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.7	1.7	2.8	1.5
	23.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.6	1.6	2.8	1.5
	25.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.6	1.6	2.7	1.5
	27.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.6	1.6	2.7	1.5
	29.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.5	1.5	2.6	1.5
	31.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.5	1.5	2.6	1.5
	33.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.5	1.5	2.5	1.5
	35.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.4	1.5	2.5	1.5
	37.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.4	1.7	2.4	1.5	2.4	1.5
	39.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.5	2.4	1.5
25	10.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.5	2.0
	12.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.2	1.9
	14.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.2	1.8
	16.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.2	1.8
	18.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.1	1.8
	20.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.1	1.8
	21.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	3.0	1.9	3.1	1.8
	23.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.9	1.8	3.1	1.8
	25.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.9	1.8	3.1	1.8
	27.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.9	1.8	3.0	1.7
	29.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.9	1.8	3.0	1.8
	31.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.9	1.7	2.9	1.7
	33.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.8	1.7	2.8	1.7
	35.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.7	1.8	2.8	1.7	2.8	1.6
	37.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.6	1.8	2.8	1.7	2.7	1.6
	39.0	1.7	1.4	2.1	1.6	2.3	1.7	2.5	1.7	2.6	1.7	2.7	1.7	2.7	1.6
28	10.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.8	2.2
	12.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.7	2.1
	14.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.7	2.1
	16.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.6	2.1
	18.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.6	2.1
	20.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.5	2.1
	21.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.2	3.5	2.1
	23.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.4	2.1	3.5	2.1
	25.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.3	2.1	3.4	2.0
	27.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.3	2.1	3.4	2.0
	29.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.2	2.0	3.3	1.9
	31.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.2	2.0	3.3	1.9
	33.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.1	2.1	3.2	2.0	3.2	1.9
	35.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.0	3.1	2.0	3.2	1.9
	37.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.0	3.1	2.0	3.1	1.8
	39.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.0	3.1	2.0	3.1	1.8

Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TH	SH	TH	SH	TH	SH	TH	SH	TH	SH	TH	SH	TH	SH
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
32	10.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	4.2	2.4
	12.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	4.1	2.3
	14.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	4.1	2.3
	16.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	4.0	2.3
	18.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	4.0	2.3
	20.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	3.9	2.3
	21.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.4	3.9	2.3
	23.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.8	2.3	3.9	2.3
	25.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.7	2.3	3.8	2.2
	27.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.7	2.3	3.8	2.2
	29.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.6	2.2	3.7	2.1
	31.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.6	2.2	3.7	2.1
	33.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.4	2.4	3.6	2.2	3.6	2.1
	35.0	2.3	1.9	2.7	2.1	3.0	2.3	3.2	2.3	3.3	2.3	3.5	2.2	3.6	2.1
36	10.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.8	2.7
	12.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.8	2.7
	14.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.7	2.6
	16.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.6	2.6
	18.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.6	2.6
	20.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.5	2.5
	21.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.6	4.4	2.6	4.5	2.5
	23.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.2	2.5	4.4	2.4
	25.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.2	2.5	4.3	2.4
	27.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.1	2.4	4.3	2.4
	29.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.1	2.4	4.2	2.4
	31.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.0	2.4	4.2	2.4
	33.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.0	2.4	4.0	2.3
	35.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.9	2.5	4.0	2.3	4.0	2.3
40	10.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.6	3.2
	12.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.2	3.0
	14.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.1	2.9
	16.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.1	2.9
	18.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.0	2.9
	20.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.0	2.9
	21.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.8	3.0	5.0	2.9
	23.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.7	2.9	4.9	2.8
	25.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.7	2.9	4.9	2.8
	27.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.6	2.9	4.8	2.8
	29.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.6	2.8	4.8	2.8
	31.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.6	2.8	4.6	2.7
	33.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.5	2.8	4.5	2.6
	35.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.3	2.9	4.5	2.8	4.4	2.6
	37.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.2	2.8	4.4	2.7	4.4	2.5
	39.0	2.8	2.3	3.3	2.5	3.8	2.8	4.0	2.8	4.1	2.8	4.4	2.7	4.3	2.5

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TH	SH	TH	SH	TH	SH	TH	SH	TH	SH	TH	SH	TH	SH
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
45	10.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	6.0	3.3
	12.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	6.0	3.3
	14.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.9	3.3
	16.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.7	3.2
	18.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.8	3.3
	20.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.8	3.3
	21.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.7	3.3
	23.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.6	3.2
	25.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.3	3.3	5.5	3.2
	27.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.2	3.2	5.3	3.0
	29.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.2	3.2	5.3	3.0
	31.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.1	3.1	5.2	2.9
	33.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.0	3.1	5.2	2.9
	35.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	4.9	3.0	5.1	2.9
50	10.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	7.0	4.0
	12.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	6.5	3.8
	14.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	6.4	3.7
	16.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	6.3	3.7
	18.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	6.3	3.6
	20.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	6.3	3.6
	21.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	6.0	3.7	6.2	3.6
	23.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	5.9	3.6	6.2	3.5
	25.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	5.8	3.6	6.1	3.5
	27.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	5.8	3.6	6.0	3.5
	29.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	5.8	3.5	6.0	3.5
	31.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	5.7	3.5	5.8	3.3
	33.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.4	3.6	5.6	3.5	5.6	3.3
	35.0	3.5	2.9	4.1	3.2	4.7	3.4	5.0	3.5	5.3	3.6	5.6	3.4	5.5	3.3
56	10.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.4	3.9
	12.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.3	3.8
	14.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.2	3.8
	16.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.1	3.7
	18.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.9	3.7
	20.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.8	3.6
	21.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.7	3.6
	23.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.7	3.5
	25.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.6	3.5
	27.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.5	3.8	6.5	3.5
	29.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.4	3.8	6.5	3.6
	31.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.3	3.7	6.3	3.4
	33.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.3	3.7	6.3	3.4
	35.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.1	3.6	6.1	3.4
	37.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.0	3.5	6.1	3.4
	39.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	5.8	3.7	5.9	3.5	6.1	3.4



Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TH	SH	TH	SH	TH	SH	TH	SH	TH	SH	TH	SH	TH	SH
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
63	10.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	8.8	5.1
	12.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	8.2	4.7
	14.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	8.0	4.6
	16.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	8.0	4.6
	18.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	7.9	4.6
	20.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	7.9	4.6
	21.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.5	4.7	7.8	4.5
	23.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.4	4.6	7.8	4.4
	25.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.4	4.6	7.7	4.4
	27.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.3	4.5	7.6	4.4
	29.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.3	4.4	7.5	4.4
	31.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.2	4.4	7.3	4.2
	33.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.8	4.6	7.1	4.4	7.1	4.2
	35.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.7	4.5	7.0	4.3	7.0	4.1
	37.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.6	4.4	7.0	4.3	6.9	4.0
	39.0	4.4	3.6	5.2	4.0	5.9	4.3	6.3	4.4	6.5	4.4	6.9	4.3	6.8	4.0
71	10.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.3	5.0
	12.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.2	4.9
	14.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.1	4.9
	16.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.0	4.8
	18.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.8	4.7
	20.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.6	4.6
	21.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.5	4.5
	23.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.4	4.5
	25.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.3	4.4
	27.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.2	4.7	8.3	4.5
	29.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.1	4.7	8.2	4.5
	31.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.0	4.6	7.9	4.3
	33.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.9	4.6	7.9	4.3
	35.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.7	4.5	7.8	4.2
	37.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.4	4.8	7.6	4.5	7.7	4.3
	39.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.2	4.7	7.5	4.4	7.7	4.3

Remark:

1. This unit design and executive standard GB/T 18837-2015.
2. The above-said indoor unit capacity test conditions: refrigerant piping equivalent length is of 5 m; falling is 0 m.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.
4. TC: Total Cooling Capacity  
SH: Sensible Heat Capacity

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## 4-2. Heating capacity tables

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	KW	KW	KW	KW	KW	KW
22	-15.0	-14.7	1.64	1.64	1.63	1.63	1.62	1.62
	-13.0	-12.6	1.74	1.74	1.73	1.73	1.72	1.72
	-11.0	-10.5	1.82	1.82	1.81	1.81	1.80	1.80
	-10.0	-9.5	1.90	1.90	1.89	1.89	1.88	1.88
	-9.1	-8.5	1.95	1.95	1.94	1.94	1.93	1.93
	-7.6	-7.0	1.98	1.98	1.97	1.97	1.96	1.96
	-5.6	-5.0	2.05	2.05	2.04	2.04	2.03	2.03
	-3.7	-3.0	2.16	2.16	2.15	2.15	2.14	2.14
	-0.7	0.0	2.31	2.31	2.30	2.30	2.29	2.16
	2.2	3.0	2.44	2.44	2.46	2.46	2.37	2.16
	4.1	5.0	2.52	2.52	2.48	2.48	2.37	2.16
	6.0	7.0	2.60	2.60	2.50	2.50	2.37	2.16
	7.9	9.0	2.68	2.68	2.50	2.50	2.37	2.16
	9.8	11.0	2.76	2.76	2.50	2.50	2.37	2.16
	11.8	13.0	2.86	2.81	2.50	2.50	2.37	2.16
	13.7	15.0	2.94	2.81	2.50	2.50	2.37	2.16
25	-15.0	-14.7	1.86	1.86	1.85	1.85	1.84	1.84
	-13.0	-12.6	1.98	1.98	1.97	1.97	1.95	1.95
	-11.0	-10.5	2.07	2.07	2.06	2.06	2.05	2.05
	-10.0	-9.5	2.16	2.16	2.15	2.15	2.14	2.14
	-9.1	-8.5	2.22	2.22	2.20	2.20	2.19	2.19
	-7.6	-7.0	2.25	2.25	2.24	2.24	2.23	2.23
	-5.6	-5.0	2.33	2.33	2.32	2.32	2.31	2.31
	-3.7	-3.0	2.45	2.45	2.44	2.44	2.43	2.43
	-0.7	0.0	2.63	2.63	2.61	2.61	2.60	2.45
	2.2	3.0	2.77	2.77	2.73	2.73	2.69	2.45
	4.1	5.0	2.86	2.84	2.79	2.78	2.69	2.45
	6.0	7.0	2.95	2.90	2.80	2.80	2.70	2.45
	7.9	9.0	3.05	3.05	2.89	2.89	2.70	2.45
	9.8	11.0	3.14	3.14	2.94	2.94	2.70	2.45
	11.8	13.0	3.25	3.19	2.94	2.94	2.70	2.45
	13.7	15.0	3.34	3.19	2.94	2.94	2.70	2.45
28	-15.0	-14.7	2.03	2.03	2.02	2.02	2.01	2.01
	-13.0	-12.6	2.15	2.15	2.14	2.14	2.13	2.13
	-11.0	-10.5	2.25	2.25	2.24	2.24	2.23	2.23
	-10.0	-9.5	2.35	2.35	2.34	2.34	2.33	2.33
	-9.1	-8.5	2.41	2.41	2.40	2.40	2.39	2.39
	-7.6	-7.0	2.44	2.44	2.43	2.43	2.42	2.42
	-5.6	-5.0	2.54	2.54	2.53	2.53	2.52	2.52
	-3.7	-3.0	2.67	2.67	2.66	2.66	2.65	2.65
	-0.7	0.0	2.86	2.86	2.85	2.85	2.84	2.68
	2.2	3.0	3.02	3.02	3.01	3.01	2.93	2.68
	4.1	5.0	3.11	3.11	3.10	3.10	2.93	2.68
	6.0	7.0	3.21	3.21	3.20	3.10	2.93	2.68
	7.9	9.0	3.31	3.31	3.20	3.10	2.94	2.69
	9.8	11.0	3.40	3.39	3.20	3.10	2.94	2.69
	11.8	13.0	3.53	3.47	3.20	3.10	2.95	2.70
	13.7	15.0	3.63	3.47	3.20	3.10	2.95	2.70

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	KW	KW	KW	KW	KW	KW
32	-15	-14.7	2.22	2.22	2.21	2.21	2.20	2.20
	-13	-12.6	2.36	2.36	2.35	2.35	2.34	2.34
	-11	-10.5	2.46	2.46	2.45	2.45	2.44	2.44
	-10	-9.5	2.57	2.57	2.56	2.56	2.55	2.55
	-9.1	-8.5	2.64	2.64	2.63	2.63	2.62	2.62
	-7.6	-7.0	2.67	2.67	2.66	2.66	2.65	2.65
	-5.6	-5.0	2.78	2.78	2.77	2.77	2.76	2.76
	-3.7	-3.0	2.92	2.92	2.91	2.91	2.90	2.90
	-0.7	0.0	3.13	3.13	3.12	3.12	3.11	2.93
	2.2	3.0	3.31	3.31	3.29	3.29	3.21	2.93
	4.1	5.0	3.41	3.41	3.40	3.40	3.21	2.93
	6.0	7.0	3.51	3.51	3.50	3.50	3.21	2.93
	7.9	9.0	3.62	3.62	3.50	3.50	3.22	2.94
	9.8	11.0	3.72	3.72	3.50	3.50	3.22	2.94
36	-15.0	-14.7	2.53	2.53	2.52	2.52	2.51	2.51
	-13.0	-12.6	2.69	2.69	2.68	2.68	2.67	2.67
	-11.0	-10.5	2.81	2.81	2.80	2.80	2.79	2.79
	-10.0	-9.5	2.93	2.93	2.92	2.92	2.91	2.91
	-9.1	-8.5	3.01	3.01	3.00	3.00	2.99	2.99
	-7.6	-7.0	3.05	3.05	3.04	3.04	3.03	3.03
	-5.6	-5.0	3.17	3.17	3.16	3.16	3.15	3.15
	-3.7	-3.0	3.33	3.33	3.32	3.32	3.31	3.31
	-0.7	0.0	3.57	3.57	3.56	3.56	3.55	3.35
	2.2	3.0	3.78	3.78	3.76	3.76	3.67	3.35
	4.1	5.0	3.89	3.89	3.88	3.88	3.67	3.35
	6.0	7.0	4.01	4.01	4.00	3.88	3.68	3.36
	7.9	9.0	4.13	4.12	4.00	3.88	3.68	3.36
	9.8	11.0	4.25	4.24	4.00	3.88	3.68	3.36
	11.8	13.0	4.41	4.33	4.00	3.88	3.69	3.37
	13.7	15.0	4.53	4.33	4.00	3.88	3.69	3.37
40	-15.0	-14.7	2.81	2.81	2.80	2.80	2.79	2.79
	-13.0	-12.6	2.99	2.99	2.98	2.98	2.97	2.97
	-11.0	-10.5	3.12	3.12	3.11	3.11	3.10	3.10
	-10.0	-9.5	3.26	3.26	3.24	3.24	3.23	3.23
	-9.1	-8.5	3.34	3.34	3.33	3.33	3.32	3.32
	-7.6	-7.0	3.39	3.39	3.38	3.38	3.37	3.37
	-5.6	-5.0	3.52	3.52	3.51	3.51	3.50	3.50
	-3.7	-3.0	3.70	3.70	3.69	3.69	3.68	3.68
	-0.7	0.0	3.97	3.97	3.96	3.96	3.94	3.72
	2.2	3.0	4.20	4.20	4.18	4.08	4.08	3.72
	4.1	5.0	4.32	4.32	4.31	4.16	4.08	3.72
	6.0	7.0	4.56	4.56	4.50	4.28	4.09	3.73
	7.9	9.0	4.59	4.58	4.54	4.36	4.09	3.73
	9.8	11.0	4.72	4.71	4.62	4.52	4.09	3.73
	11.8	13.0	4.90	4.81	4.62	4.52	4.10	3.74
	13.7	15.0	5.03	4.81	4.62	4.52	4.10	3.74

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	KW	KW	KW	KW	KW	KW
45	-15.0	-14.7	3.16	3.16	3.15	3.15	3.14	3.14
	-13.0	-12.6	3.36	3.36	3.35	3.35	3.34	3.34
	-11.0	-10.5	3.52	3.52	3.51	3.51	3.50	3.50
	-10.0	-9.5	3.66	3.66	3.65	3.65	3.64	3.64
	-9.1	-8.5	3.76	3.76	3.75	3.75	3.74	3.74
	-7.6	-7.0	3.81	3.81	3.80	3.80	3.79	3.79
	-5.6	-5.0	3.96	3.96	3.95	3.95	3.94	3.94
	-3.7	-3.0	4.16	4.15	4.15	4.15	4.15	4.15
	-0.7	0.0	4.46	4.46	4.45	4.45	4.45	4.19
	2.2	3.0	4.71	4.71	4.70	4.70	4.59	4.19
	4.1	5.0	4.86	4.86	4.85	4.85	4.59	4.19
	6.0	7.0	5.01	5.00	5.00	4.85	4.60	4.20
	7.9	9.0	5.16	5.16	5.00	4.85	4.60	4.20
	9.8	11.0	5.31	5.31	5.00	4.85	4.61	4.21
50	-15.0	-14.7	3.51	3.51	3.50	3.50	3.49	3.49
	-13.0	-12.6	3.73	3.73	3.72	3.72	3.71	3.71
	-11.0	-10.5	3.91	3.91	3.90	3.90	3.89	3.89
	-10.0	-9.5	4.07	4.07	4.06	4.06	4.04	4.04
	-9.1	-8.5	4.18	4.18	4.17	4.17	4.16	4.16
	-7.6	-7.0	4.23	4.23	4.22	4.22	4.21	4.21
	-5.6	-5.0	4.40	4.40	4.39	4.39	4.38	4.38
	-3.7	-3.0	4.62	4.61	4.61	4.61	4.61	4.61
	-0.7	0.0	4.96	4.96	4.94	4.94	4.94	4.66
	2.2	3.0	5.23	5.23	5.22	5.22	5.10	4.66
	4.1	5.0	5.40	5.40	5.36	5.32	5.10	4.66
	6.0	7.0	5.67	5.63	5.60	5.49	5.11	4.67
	7.9	9.0	5.73	5.73	5.66	5.57	5.11	4.67
	9.8	11.0	5.90	5.90	5.76	5.63	5.12	4.68
56	-15.0	-14.7	3.98	3.98	3.97	3.97	3.96	3.96
	-13.0	-12.6	4.23	4.23	4.22	4.22	4.21	4.21
	-11.0	-10.5	4.42	4.42	4.41	4.41	4.40	4.40
	-10.0	-9.5	4.61	4.61	4.60	4.60	4.59	4.59
	-9.1	-8.5	4.74	4.74	4.73	4.73	4.72	4.72
	-7.6	-7.0	4.80	4.80	4.79	4.79	4.78	4.78
	-5.6	-5.0	4.99	4.99	4.98	4.98	4.97	4.97
	-3.7	-3.0	5.24	5.24	5.23	5.23	5.22	5.22
	-0.7	0.0	5.62	5.62	5.61	5.61	5.60	5.60
	2.2	3.0	5.93	5.93	5.92	5.92	5.79	5.79
	4.1	5.0	6.12	6.12	6.11	6.11	5.79	5.79
	6.0	7.0	6.31	6.31	6.30	6.11	5.80	5.80
	7.9	9.0	6.50	6.49	6.30	6.11	5.80	5.80
	9.8	11.0	6.69	6.69	6.30	6.11	5.80	5.80
	11.8	13.0	6.94	6.81	6.30	6.11	5.81	5.81
	13.7	15.0	7.13	6.82	6.30	6.11	5.81	5.81

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	KW	KW	KW	KW	KW	KW
63	-15.0	-14.7	4.48	4.48	4.47	4.47	4.46	4.46
	-13.0	-12.6	4.76	4.76	4.75	4.75	4.74	4.74
	-11.0	-10.5	4.97	4.97	4.96	4.96	4.95	4.95
	-10.0	-9.5	5.19	5.19	5.18	5.18	5.16	5.16
	-9.1	-8.5	5.33	5.33	5.32	5.32	5.31	5.31
	-7.6	-7.0	5.40	5.40	5.39	5.39	5.38	5.38
	-5.6	-5.0	5.61	5.61	5.60	5.60	5.59	5.59
	-3.7	-3.0	5.90	5.90	5.88	5.88	5.87	5.87
	-0.7	0.0	6.32	6.32	6.31	6.31	6.30	6.30
	2.2	3.0	6.67	6.67	6.66	6.66	6.51	6.51
	4.1	5.0	6.99	6.89	6.78	6.73	6.51	6.51
	6.0	7.0	7.30	7.22	7.10	6.87	6.52	6.52
	7.9	9.0	7.39	7.31	7.26	6.87	6.53	6.53
	9.8	11.0	7.53	7.53	7.38	6.88	6.53	6.53
	11.8	13.0	7.81	7.66	7.49	6.89	6.54	6.54
	13.7	15.0	8.02	7.67	7.59	6.90	6.54	6.54
71	-15.0	-14.7	4.83	4.83	4.82	4.82	4.81	4.81
	-13.0	-12.6	5.15	5.15	5.14	5.14	5.13	5.13
	-11.0	-10.5	5.40	5.40	5.39	5.39	5.38	5.38
	-10.0	-9.5	5.63	5.63	5.62	5.62	5.61	5.61
	-9.1	-8.5	5.79	5.79	5.78	5.78	5.77	5.77
	-7.6	-7.0	5.87	5.87	5.86	5.86	5.85	5.85
	-5.6	-5.0	6.11	6.11	6.10	6.09	6.08	6.08
	-3.7	-3.0	6.42	6.42	6.41	6.41	6.40	6.40
	-0.7	0.0	6.91	6.91	6.90	6.90	6.89	6.49
	2.2	3.0	7.31	7.31	7.30	7.30	7.15	6.50
	4.1	5.0	7.55	7.55	7.54	7.54	7.15	6.53
	6.0	7.0	8.08	8.02	8.0	7.56	7.15	6.50
	7.9	9.0	8.20	8.15	8.15	7.60	7.16	6.51
	9.8	11.0	8.27	8.27	8.22	7.65	7.16	6.51
	11.8	13.0	8.79	8.79	8.30	7.82	7.17	6.52
	13.7	15.0	8.84	8.43	8.35	8.01	7.17	6.52

**Remark:**

- 1.This unit design and executive standard GB/T 18837-2015.
- 2.The above-said indoor unit capacity test conditions: refrigerant piping equivalent length is of 5 m; falling is 0 m.
- 3.Due to the system optimization reasons of this product, the data are subject to change without notice.
- 4.TH: Total heating capacity

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

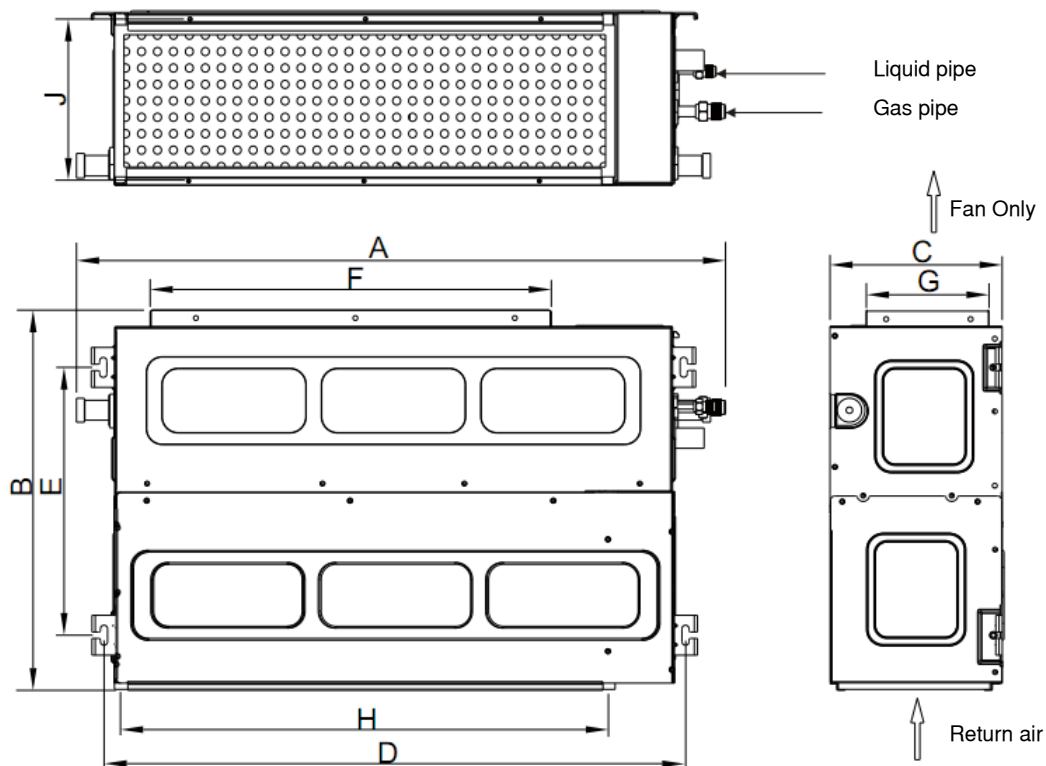
High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## 5 Dimensions Drawing

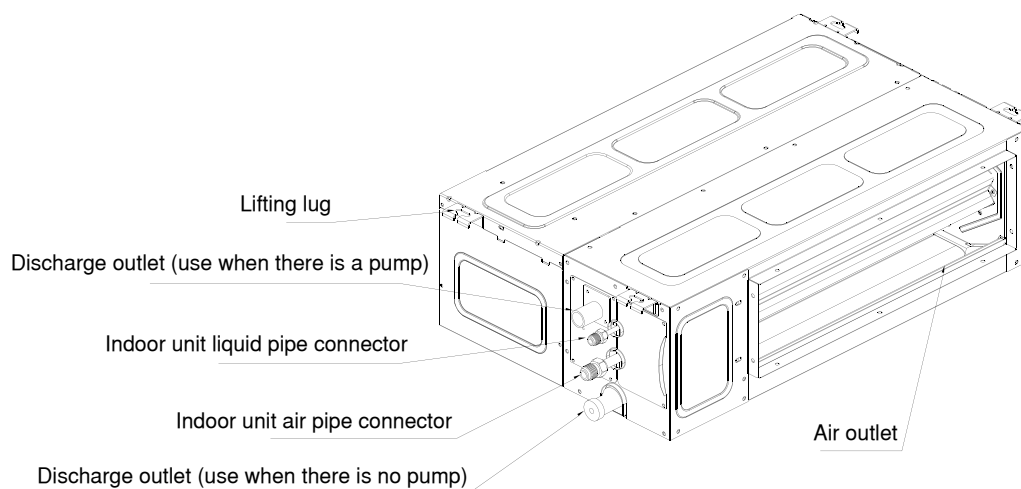


Unit: mm

Indoor Unit model	Dimension code	Body dimension			Mounting Dimensions		Air outlet dimension		Return air inlet dimension	
		A	B	C	D	E	F	G	H	J
MWD022~045		814	476	210	728	335	503	150	611	200
MWD050~056		1010	476	210	928	335	705	150	811	200
MWD063~071		1214	476	210	1128	335	905	150	1011	200

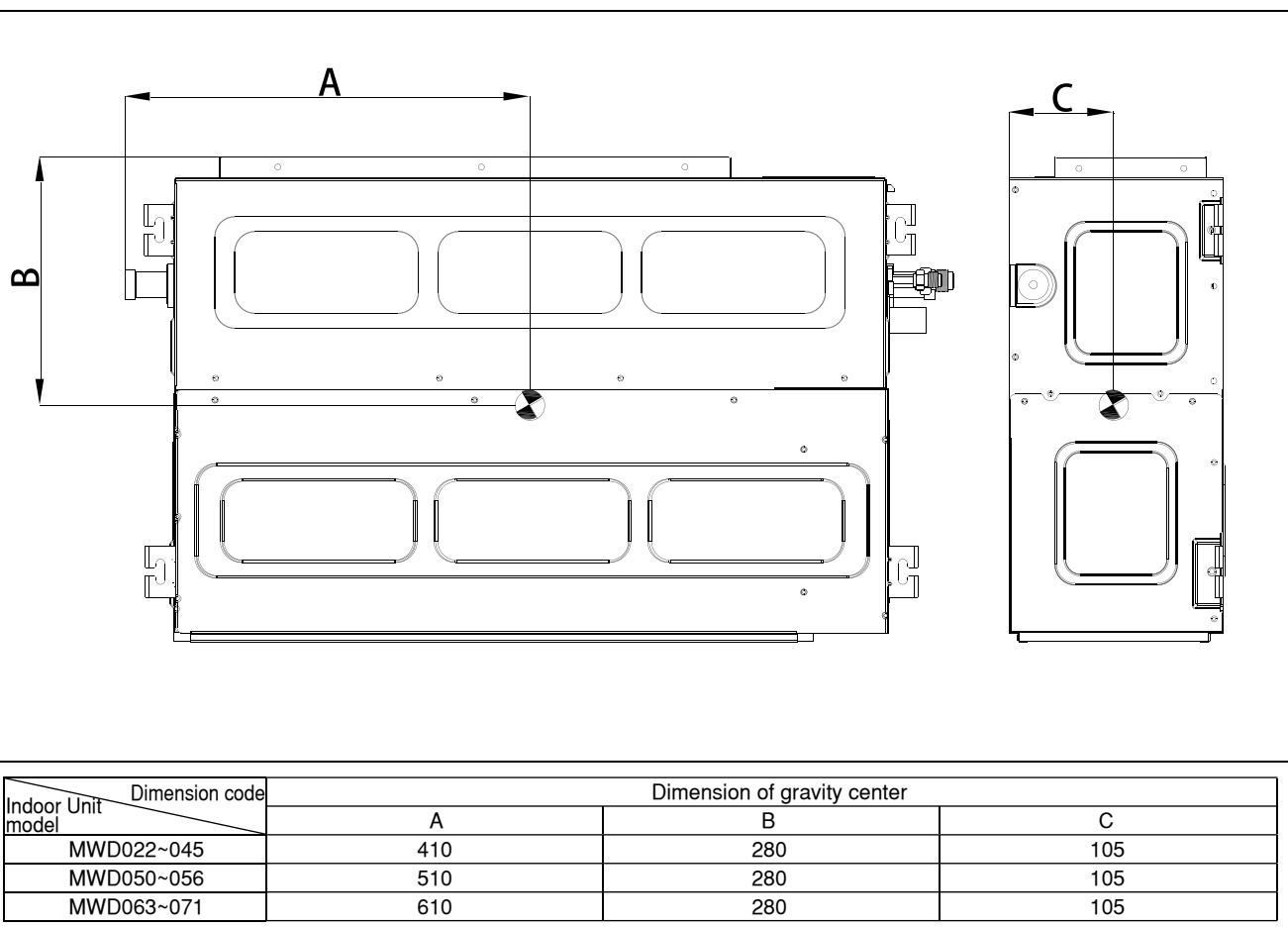


## 6 Pipe Connection



**Note:** the electronic expansion valve of short type duct version is integrated inside the unit

## 7 Center of Gravity



Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

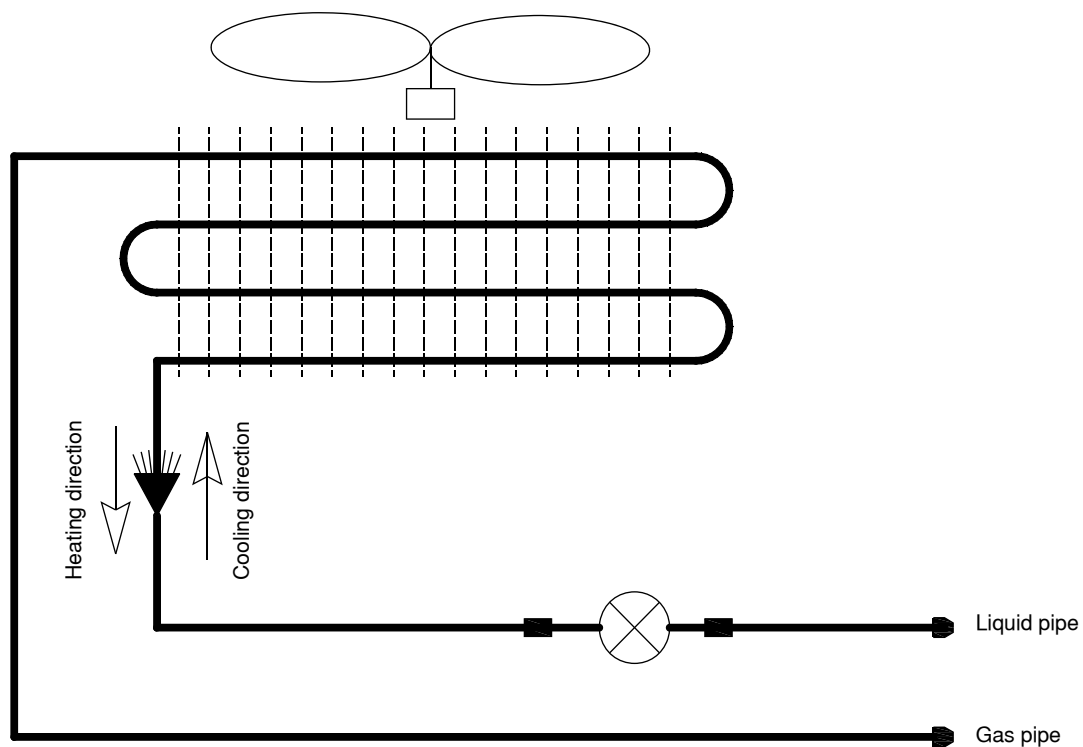
High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

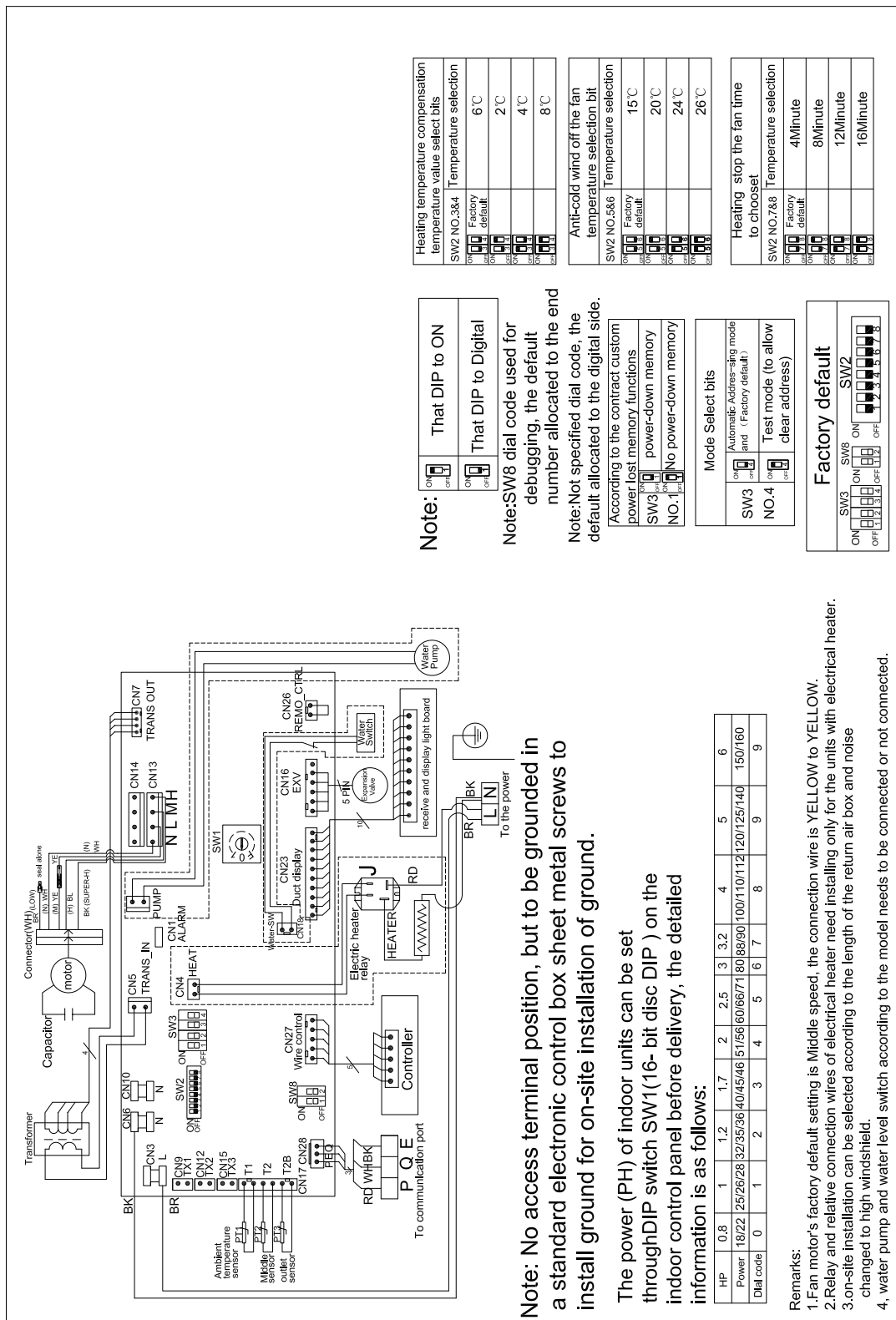
All Fresh Air Unit

## 8 Piping Diagram



Model	MWD022~028AML	MWD036~056AML	MWD063~071AML
Liquid pipe	Φ6.35(flaring connection)		Φ9.52(flaring connection)
Gas pipe	Φ9.52(flaring connection)	Φ12.7(flaring connection)	Φ15.88(flaring connection)

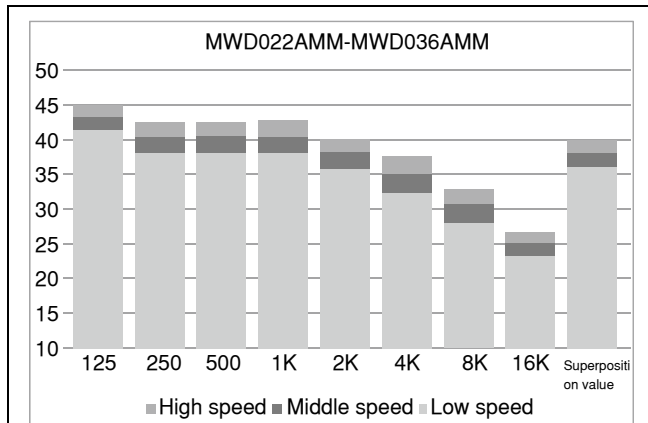
## 9 Electrical Wiring Diagram



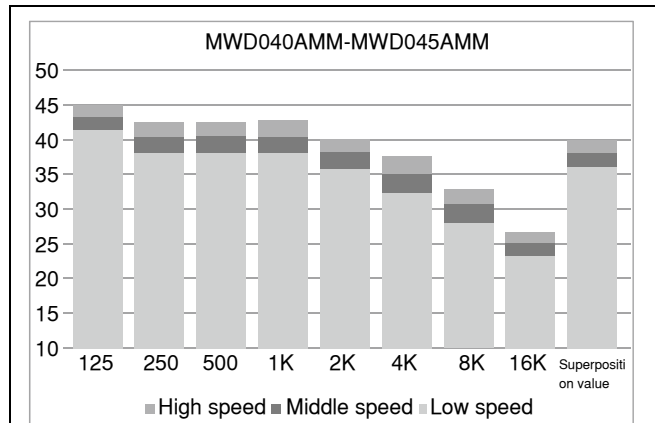
Note:

1. The unit has been set up and rigorously tested before delivery, the settings on electric control box shall only be altered by professionals.
2. Due to continuous upgrades, the actual product may have slight differences from this wiring diagram, please in kind prevail, without prior notice.

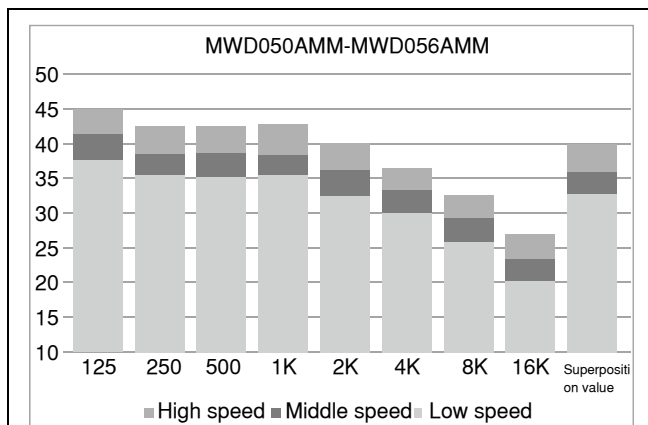
## 10 Sound Data


**Description:**

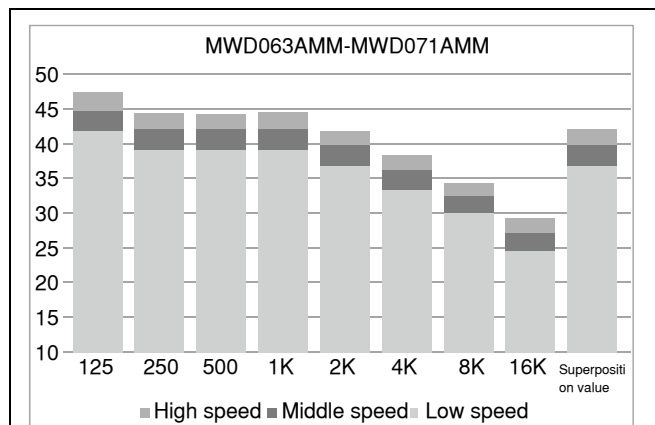
- 1.Noise measured at the actual value measured in the semi-anechoic chamber.
- 2.Noise measurement standard as per GB/T 18837-2015.
- 3.Model of Indoor Unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these model.


**Description:**

- 1.Noise measured at the actual value measured in the semi-anechoic chamber.
- 2.Noise measurement standard as per GB/T 18837-2015.
- 3.Model of Indoor Unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these model.

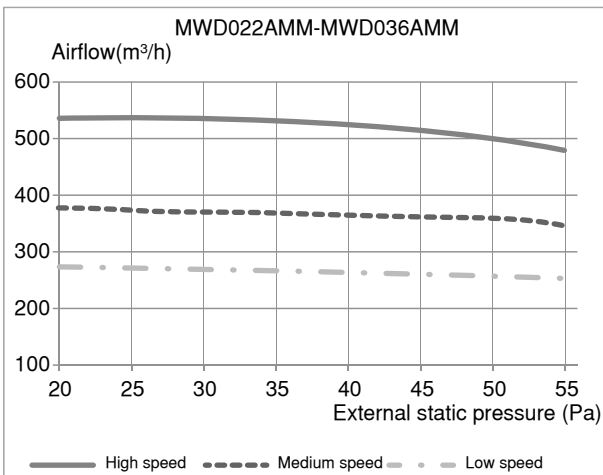

**Description:**

- 1.Noise measured at the actual value measured in the semi-anechoic chamber.
- 2.Noise measurement standard as per GB/T 18837-2015.
- 3.Model of Indoor Unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these model.


**Description:**

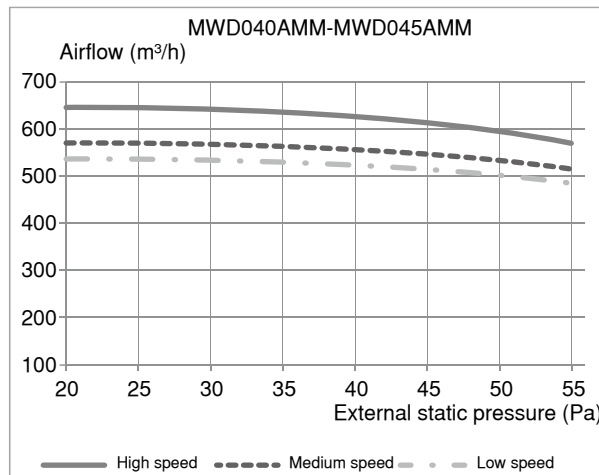
- 1.Noise measured at the actual value measured in the semi-anechoic chamber.
- 2.Noise measurement standard as per GB/T 18837-2015.
- 3.Model of Indoor Unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these model.

# 11 Fan Characteristics



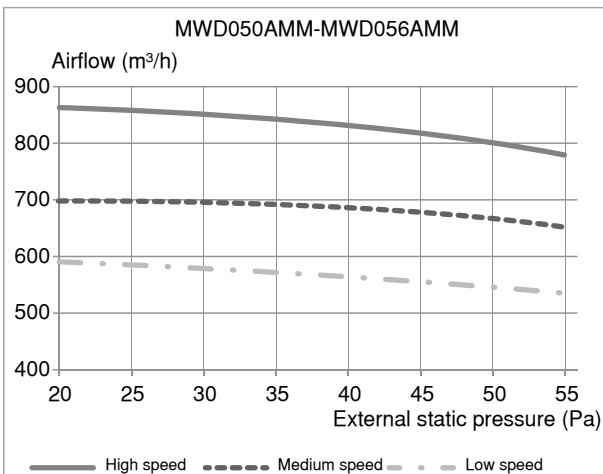
**Remark:**

- 1.This curve is the variation curve of airflow of Indoor Unit changing with the external static pressure measured under standard air duct.
- 2.Air flow curve is measured under atmospheric condition.
- 3.Due to the system optimization reasons odchange without notice.



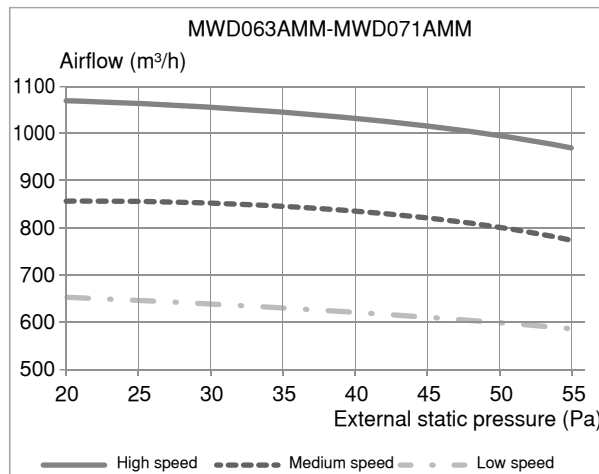
**Remark:**

- 1.This curve is the variation curve of airflow of Indoor Unit changing with the external static pressure measured under standard air duct.
- 2.Air flow curve is measured under atmospheric condition.
- 3.Due to the system optimization reasons odchange without notice.



**Remark:**

- 1.This curve is the variation curve of airflow of Indoor Unit changing with the external static pressure measured under standard air duct.
- 2.Air flow curve is measured under atmospheric condition.
- 3.Due to the system optimization reasons odchange without notice.



**Remark:**

- 1.This curve is the variation curve of airflow of Indoor Unit changing with the external static pressure measured under standard air duct.
- 2.Air flow curve is measured under atmospheric condition.
- 3.Due to the system optimization reasons odchange without notice.

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

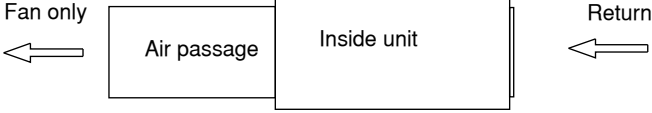
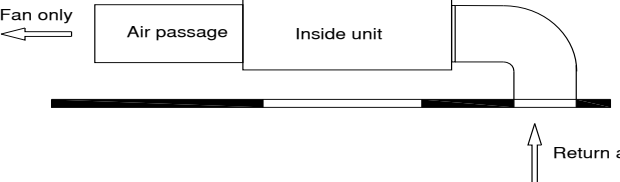
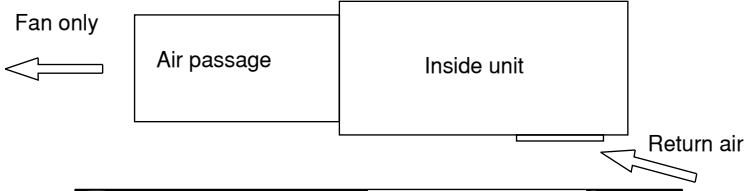
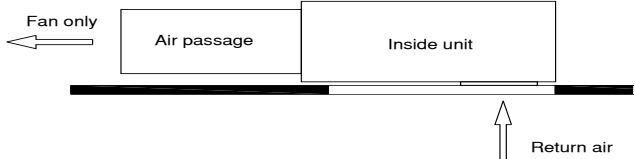
Wall-mounted Unit

Floor Ceiling Unit

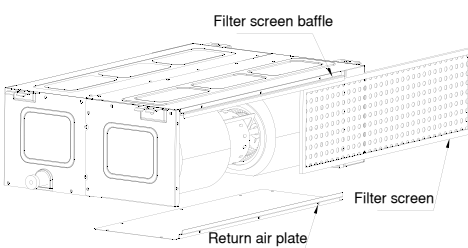
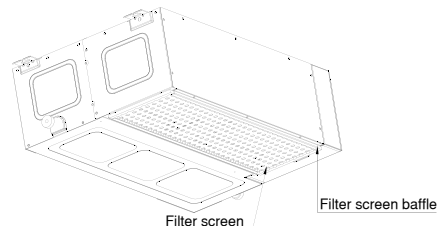
All Fresh Air Unit

## 12 Installation

There are two installation methods for Ultra Slim Duct unit: rear return air and down return air, which are as follows:

1. Rear return air, without building air passage for return air	
2. Rear return air, building air passage for return air Note: When connected to the air passage of return air, remove the automatic filter of Indoor Unit, and install at the new return air outlet	
3. Down return air	
4. Down return air, direct return air	

The on-site adjustment methods for the two installation methods of Ultra Slim Duct unit rear return air and the down return air are as follows:

1. The rear return air method is the factory default mode; when there is a need to turn to the down return air, first remove the filter and return air board as shown	<p>Take down the return air plate, filter screen and filter screen baffle</p> 
2. Install reversely the return air board and filter screen, which becomes the down return air method	<p>Installation of the return air plate, filter screen and filter screen baffle</p> 

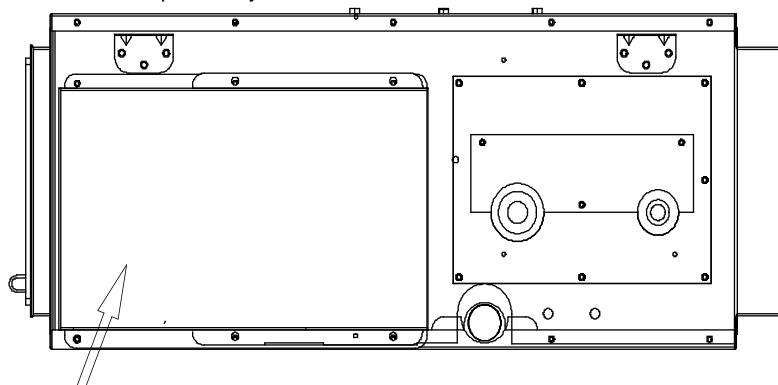
Remark:

1. The body must be securely installed, and the body should be maintain horizontally, or it may cause water leakage.
2. The installation of the unit must be added to the repair port.
3. The repair port size is about 500x500mm; the position is as close as possible to the piping and the side of the electric control box.



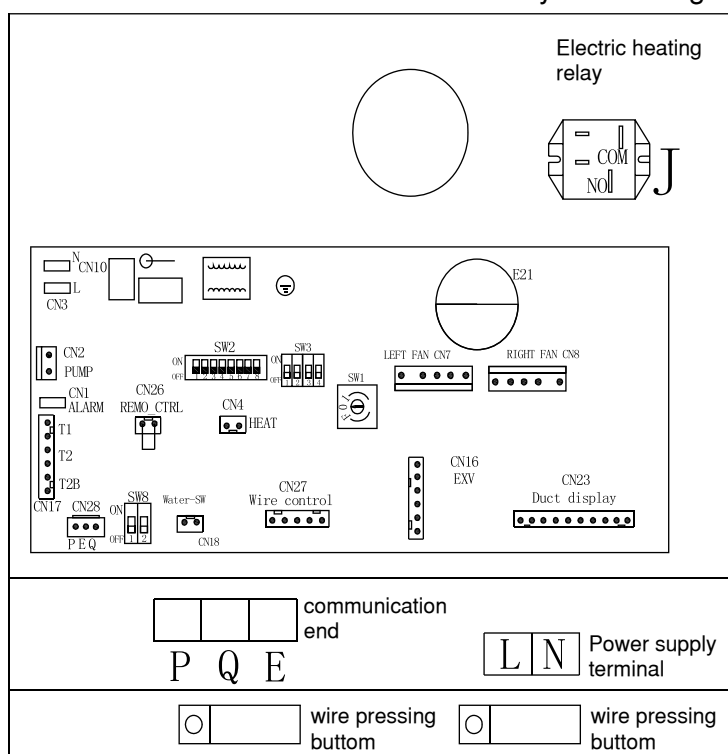
## 13 Electrical Box Connection

1. Take down the electronic control box cover pointed by the arrows as shown

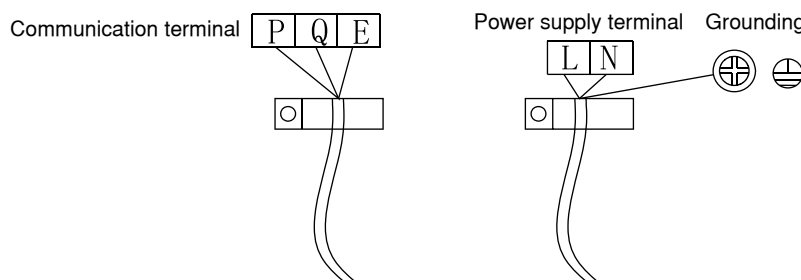


2. Refer to the following electrical layout

Ultra Slim Duct Unit electric element layout drawing



3. As shown below, connect the power line and the indoor and outdoor communication lines respectively



Note: Due to continuous product updates and progress, the actual objects may differ from the wiring diagram, it is subject to the actual goods without prior notice.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

All Fresh Air  
Unit

# High ESP Duct Unit



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# 1 Technical Specifications

Indoor units Model Specifications				MWD071AMHNAA MWD071AMHNBA MWD071AMHNCA		MWD080AMHNAA MWD080AMHNBA MWD080AMHNCA		MWD090AMHNAA MWD090AMHNBA MWD090AMHNCA			
Cooling capacity			kW		7.1		8		9		
Heating capacity			kW		7.8		8.8		10		
Rated input power		Cooling	kW		0.34		0.34		0.34		
		Heating	kW		0.34		0.34		0.34		
Appearance	Color				/						
	Material				Galvanized steel sheet with insulation materials						
Size	Unit	Lengthx WidthxHeight	mm		1445x680x260						
Weight	Unit		kg		46		46		46		
Heat exchanger	Fin type				Hydrophilic						
Fans	Type				Centrifugal fan						
	Quantity				2						
	Airflow	Cooling/ Heating	High	m³/h	1500		1500		1500		
			Middle	m³/h	1300		1300		1300		
			Low	m³/h	1100		1100		1100		
	Static pressure		Pa		120						
Motor	Quantity				2						
	Rotate speed	Cooling/ Heating	High	rpm	1320		1320		1050		
			Middle	rpm	1280		1280		830		
			Low	rpm	1200		1200		720		
	Power (high speed)		w		340		340		340		
	Drive mode				AC drive						
Noise	Cooling/ Heating	High	dBA	43		43		43			
		Middle	dBA	42		42		42			
		Low	dBA	40		40		40			
Refrigerant	Type				R410A						
	Flow control				Electronic expansion valve						
Connecting pipe	Gas pipe	Connection method		Flaring connection							
		Pipe diameter	mm	Φ15.88							
	Liquid pipe	Connection method		Flaring connection							
		Pipe diameter	mm	Φ9.52							
	Drain pipe	Size (OD)		DN25							
		Drain-up height	mm	700*							
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate. 4. *Only available for model with pump.							

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor units Model Specifications				MWD100AMHNAA MWD100AMHNBA MWD100AMHNCA		MWD120AMHNAA MWD120AMHNBA MWD120AMHNCA		MWD150AMHNAA MWD150AMHNBA MWD150AMHNCA			
Cooling capacity			kW		10		12		15		
Heating capacity			kW		11		13		17		
Rated input power		Cooling	kW		0.45		0.45		0.45		
		Heating	kW		0.45		0.45		0.45		
Appearance	Material			Galvanized steel sheet with insulation materials							
Size	Unit	Lengthx WidthxHeight	mm		1190×620×370						
Weight	Unit		kg		47		47		47		
Heat exchanger	Fin type				Hydrophilic						
Fans	Type				Centrifugal fan						
	Quantity				2						
	Airflow	Cooling/ Heating	High	m³/h	2300		2300		2300		
			Middle	m³/h	2100		2100		2100		
			Low	m³/h	1900		1900		1900		
	Static pressure		Pa		120						
Motor	Quantity				1						
	Rotate speed	Cooling/ Heating	High	rpm	1050		1050		1050		
			Middle	rpm	830		830		830		
			Low	rpm	720		720		720		
	Power (high speed)		w		450		450		450		
	Drive mode				AC drive						
Noise	Cooling/ Heating	High	dBA	52		52		52			
		Middle	dBA	48		48		48			
		Low	dBA	44		44		44			
Refrigerant	Type				R410A						
	Flow control				Electronic expansion valve						
Connecting pipe	Gas pipe	Connection method		Flaring connection							
		Pipe diameter	mm	Φ15.88							
	Liquid pipe	Connection method		Flaring connection							
		Pipe diameter	mm	Φ9.52							
	Drain pipe	Size (OD)		DN25							
		Drain-up height	mm	700*							
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35℃ DB/24℃ WB (outdoor), 27℃ DB/19℃ WB (indoor); heating 7℃ DB / 6℃ WB (outdoor), 20℃ DB/15℃ WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate. 4. *Only available for model with pump.							

Indoor units Model				MWD200AMHNAA MWD200AMHNBA MWD200AMHNCA	MWD250AMHNAA MWD250AMHNBA MWD250AMHNCA	MWD280AMHNAA MWD280AMHNBA MWD280AMHNCA	MWD450ADHNAANRRA	MWD560ADHNAANRRA	
Specifications									
Cooling capacity		kW		20	25	28	45	56	
Heating capacity		kW		22	27.5	30.8	50	63	
Rated input power	Cooling	kW		1.2			1.6	2.45	
	Heating	kW		1.2			1.6	2.45	
Appearance	Material			Galvanized steel sheet with insulation materials					
Size	Unit	Length× Width×Height	mm	1465×811×448			2165×916×676		
Weight	Unit		kg	102			222		
Heat exchanger	Fin type			Hydrophilic					
Fans	Type			Centrifugal fan					
	Quantity			2					
	Airflow	Cooling/ Heating	High	m³/h	4400	4400	4400	6000	8000
			Middle	m³/h	4000	4000	4000	\	\
			Low	m³/h	3600	3600	3600	\	\
	Static pressure		Pa	120			200		
Motor	Quantity			1					
	Rotate speed	Cooling/ Heating	High	rpm	1050			1430	
			Middle	rpm	920			\	
			Low	rpm	820			\	
	Power (high speed)		w	1200			1600	2450	
	Drive mode			AC drive					
Noise	Cooling/ Heating	High	dBA	53	54	55	60	64	
		Middle	dBA	49	50	50	\	\	
		Low	dBA	45	45	45	\	\	
Refrigerant	Type			R410A					
	Flow control			Electronic expansion valve					
Connecting pipe	Gas pipe	Connection method		Flaring connection					
		Pipe diameter	mm	Φ22.2			Φ28.6		
	Liquid pipe	Connection method		Flaring connection					
		Pipe diameter	mm	Φ12.7			Φ15.88		
	Drain pipe	Size (OD)		DN30			DN25		
		Drain-up height	mm	700*			\		
Air Filtration				ABS filter grille			\		
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate. 4. *Only available for model with pump.					

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## 2 Electrical Data

Indoor unit model	Power supply					Running current	
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated Current	Fusing current
MWD071AMHNAA MWD071AMHNBA MWD071AMHNCA	AC	50Hz	220V	-10%	+10%	1.6A	5A
MWD080AMHNAA MWD080AMHNBA MWD080AMHNCA						1.6A	5A
MWD090AMHNAA MWD090AMHNBA MWD090AMHNCA						1.6A	5A
MWD100AMHNAA MWD100AMHNBA MWD100AMHNCA						2.1A	5A
MWD120AMHNAA MWD120AMHNBA MWD120AMHNCA			220V			2.1A	5A
MWD150AMHNAA MWD150AMHNBA MWD150AMHNCA			220V			2.1A	5A
MWD200AMHNAA MWD200AMHNBA MWD200AMHNCA			220V			5.2A	10A
MWD250AMHNAA MWD250AMHNBA MWD250AMHNCA							10A
MWD280AMHNAA MWD280AMHNBA MWD280AMHNCA							10A
MWD450ADHNAA			380V			2.7A	5A
MWD560ADHNAA						4.1A	5A

Note: Fusing current refers to the motherboard fusing current, excluding electric heating current.



### 3 Accessories Details

Accessory bag 1	
Name	Quantity
Wired controller	1 pcs
Wired controller connection line	1 pcs
Certificate	1 pcs
Wired controller warning identification	1 pcs
Instructions	1 pcs
Accessory bag 2	
High-pressure single-joint thermal insulation pipe	1 pcs
Low-pressure single-joint thermal insulation pipe	1 pcs
ribbon	6 pcs
Fork shaped pre-insulated terminal	3 pcs
Round shaped pre-insulated terminal	6 pcs
Other	
Electronic expansion valve connecting tube (not equipped for 20,25,28 kW models)	1 pic

Note:

- Warranty card is put in the accessory bag of outdoor unit.
- Due to continuous product updates and progress, the actual accessories included may vary, so it is subject to the actual goods without further notice.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

All Fresh Air  
Unit

## 4 Capacity Tables

### 4-1. Cooling capacity tables

Indoor Unit Capacity	Outdoor air Temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
71	10.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.3	5.0
	12.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.2	4.9
	14.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.1	4.9
	16.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	8.5	4.9	9.0	4.8
	18.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.8	4.7
	20.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.6	4.6
	21.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.5	4.5
	23.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.4	4.5
	25.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	8.5	4.9	8.3	4.4
	27.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	8.2	4.7	8.3	4.5
	29.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	8.1	4.7	8.2	4.5
	31.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	8.0	4.6	7.9	4.3
	33.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	7.9	4.6	7.9	4.3
	35.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.5	4.8	7.7	4.5	7.8	4.2
80	37.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.4	4.8	7.6	4.5	7.7	4.3
	39.0	5.0	3.9	5.9	4.3	6.8	4.7	7.1	4.9	7.2	4.7	7.5	4.4	7.7	4.3
	10.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	10.5	5.8
	12.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	10.3	5.7
	14.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	10.3	5.7
	16.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	10.1	5.6
	18.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.9	5.6
	20.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.7	5.5
	21.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.5	5.4
	23.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.5	5.3
	25.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.4	5.3
	27.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.2	5.7	9.3	5.2
	29.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.1	5.6	9.2	5.2
	31.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.0	5.5	8.9	5.1
90	33.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.7	5.8	8.9	5.5	8.9	5.1
	35.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.6	5.8	8.7	5.3	8.7	5.1
	37.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.3	5.6	8.5	5.2	8.7	5.1
	39.0	5.6	4.7	6.6	5.1	7.4	5.6	8.0	5.7	8.3	5.5	8.4	5.2	8.7	5.1
	10.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.8	6.6
	12.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.6	6.5
	14.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.5	6.4
	16.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.4	6.3
	18.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	11.1	6.3
	20.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.9	6.2
	21.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.7	6.1
	23.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.6	6.0
	25.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.7	6.6	10.5	6.0
	27.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.4	6.4	10.5	5.9
90	29.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.2	6.2	10.4	5.8
	31.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.1	6.2	10.0	5.7
	33.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.7	6.5	10.0	6.1	10.0	5.7
	35.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.6	6.5	9.7	6.0	9.8	5.7
	37.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.4	6.3	9.6	5.9	9.7	5.8
	39.0	6.3	5.3	7.4	5.8	8.4	6.3	9.0	6.4	9.3	6.2	9.5	5.8	9.7	5.8

Indoor Unit Capacity	Outdoor air Temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
100	10.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	13.9	8.0
	12.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	12.9	7.5
	14.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	12.8	7.3
	16.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	12.7	7.3
	18.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	12.6	7.2
	20.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	12.5	7.2
	21.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	12.0	7.4	12.4	7.1
	23.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	11.8	7.2	12.3	7.1
	25.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	11.7	7.2	12.2	7.1
	27.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	11.6	7.1	12.1	7.0
	29.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	11.5	7.1	12.0	7.1
	31.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	11.4	7.0	11.5	6.7
	33.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.7	7.2	11.3	7.0	11.3	6.6
	35.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.6	7.1	11.2	6.9	11.1	6.5
120	37.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.4	7.1	11.1	6.8	10.9	6.3
	39.0	7.0	5.7	8.2	6.3	9.4	6.9	10.0	7.0	10.3	7.0	11.0	6.8	10.7	6.3
	10.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	15.7	8.9
	12.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	15.4	8.8
	14.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	15.3	8.7
	16.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	15.1	8.6
	18.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	14.7	8.3
	20.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	14.4	8.2
	21.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.3	8.5	14.2	8.1
	23.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	14.0	8.5	14.0	8.0
	25.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.9	8.4	13.9	7.9
	27.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.8	8.3	13.8	8.0
	29.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.7	8.2	13.7	7.9
	31.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.5	8.2	13.2	7.6
150	33.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	13.1	8.5	13.4	8.1	13.2	7.6
	35.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	12.9	8.5	12.9	7.8	12.9	7.6
	37.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	12.8	8.4	12.9	7.8	12.8	7.6
	39.0	8.2	6.8	9.6	7.5	11.3	8.3	12.0	8.5	12.6	8.3	12.4	7.6	12.8	7.7
	10.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	19.6	10.9
	12.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	19.3	10.8
	14.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	19.2	10.7
	16.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	18.9	10.5
	18.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	18.4	10.2
	20.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	18.1	10.1
	21.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	18.0	10.9	17.8	9.9
	23.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.7	10.9	17.7	9.8
	25.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.5	10.8	17.5	9.7
	27.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.4	10.7	17.4	9.8
200	29.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.2	10.6	17.2	9.7
	31.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	17.1	10.5	16.6	9.4
	33.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.9	10.5	16.9	10.4	16.6	9.4
	35.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.8	10.4	16.3	10.0	16.3	9.4
	37.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.6	10.3	16.3	10.0	16.2	9.3
	39.0	10.5	8.4	12.3	9.2	14.2	10.3	15.0	10.5	15.3	10.1	15.7	9.8	16.2	9.5
	10.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	23.9	14.8	27.9	16.1
	12.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	23.9	14.8	25.9	15.0
	14.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	23.9	14.8	25.5	14.6
	16.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	23.9	14.8	25.4	14.6
	18.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	23.9	14.8	25.2	14.5
	20.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	23.9	14.8	25.0	14.5
	21.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	23.9	14.8	24.8	14.3
	23.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	23.6	14.5	24.6	14.1
	25.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	23.4	14.5	24.5	14.1
	27.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	23.2	14.3	24.1	13.9
	29.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	23.0	14.1	23.9	14.1
	31.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	22.9	13.9	23.0	13.4
	33.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.4	14.5	22.5	13.9	22.5	13.2
	35.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	21.3	14.3	22.3	13.8	22.1	13.0
	37.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	20.9	14.1	22.1	13.6	21.8	12.7
	39.0	13.9	11.4	16.4	12.7	18.8	13.8	20.0	13.9	20.5	13.9	22.0	13.6	21.4	12.7

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## Capacity Tables

Indoor Unit Capacity	Outdoor air Temperature (°CDB)	Indoor air Temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
250	10.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	29.9	18.5	34.8	20.1
	12.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	29.9	18.5	32.4	18.8
	14.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	29.9	18.5	31.9	18.3
	16.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	29.9	18.5	31.7	18.3
	18.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	29.9	18.5	31.5	18.1
	20.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	29.9	18.5	31.3	18.1
	21.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	29.9	18.5	31.0	17.9
	23.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	29.5	18.1	30.8	17.6
	25.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	29.2	18.1	30.6	17.6
	27.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	29.0	17.9	30.1	17.4
	29.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	28.8	17.6	29.9	17.6
	31.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	28.6	17.4	28.8	16.7
	33.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.8	18.1	28.1	17.4	28.1	16.5
	35.0	17.4	14.3	20.5	15.8	23.4	17.2	25.0	17.4	26.6	17.9	27.9	17.2	27.7	16.3
280	10.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	33.5	20.8	39.0	22.5
	12.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	33.5	20.8	36.3	21.0
	14.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	33.5	20.8	35.8	20.5
	16.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	33.5	20.8	35.5	20.5
	18.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	33.5	20.8	35.3	20.3
	20.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	33.5	20.8	35.0	20.3
	21.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	33.5	20.8	34.8	20.0
	23.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	33.0	20.3	34.5	19.8
	25.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	32.8	20.3	34.3	19.8
	27.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	32.5	20.0	33.8	19.5
	29.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	32.3	19.8	33.5	19.8
	31.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	32.0	19.5	32.3	18.8
	33.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	30.0	20.3	31.5	19.5	31.5	18.5
	35.0	19.5	16.0	23.0	17.8	26.3	19.3	28.0	19.5	29.8	20.0	31.3	19.3	31.0	18.3
450	10.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	53.5	33.0	59.0	33.0
	12.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	53.5	33.0	58.0	32.5
	14.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	53.5	33.0	57.5	32.0
	16.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	53.5	33.0	57.0	31.5
	18.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	53.5	33.0	55.5	31.5
	20.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	53.5	33.0	54.5	31.0
	21.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	53.5	33.0	53.5	30.5
	23.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	53.5	33.0	53.0	30.0
	25.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	53.5	33.0	52.5	30.0
	27.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	52.0	32.0	52.5	29.5
	29.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	51.0	31.0	52.0	29.0
	31.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	50.5	31.0	50.0	28.5
	33.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.5	32.5	50.0	30.5	50.0	28.5
	35.0	31.5	26.5	37.0	29.0	42.0	31.5	45.0	32.0	48.0	32.5	48.5	30.0	49.0	28.5
560	10.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	66.5	41.3	73.5	40.6
	12.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	66.5	41.3	72.1	39.9
	14.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	66.5	41.3	72.1	39.9
	16.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	66.5	41.3	70.7	39.2
	18.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	66.5	41.3	69.3	39.2
	20.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	66.5	41.3	67.9	38.5
	21.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	66.5	41.3	66.5	37.8
	23.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	66.5	41.3	66.5	37.1
	25.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	66.5	41.3	65.8	37.1
	27.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	64.4	39.9	65.1	36.4
	29.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	63.7	39.2	64.4	36.4
	31.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	63.0	38.5	62.3	35.7
	33.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	60.2	40.6	62.3	38.5	62.3	35.7
	35.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	59.5	40.6	60.9	37.1	60.9	35.7
	37.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	57.4	39.2	59.5	36.4	60.9	35.7
	39.0	39.2	32.9	46.2	35.7	51.8	39.2	56.0	39.9	57.4	38.5	58.8	36.4	60.9	35.7

### Remarks:

1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capacities: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TC: Total Cooling Capacity  
SH: Sensible Heat Capacity

## 4-2. Heating capacity list

Indoor Unit Capacity	Outdoor air Temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH	TH	TH	TH	TH	TH
71	WB	DB	kW	kW	kW	kW	kW	kW
	-15.0	-14.7	4.73	4.73	4.72	4.72	4.72	4.71
	-13.0	-12.6	5.05	5.05	5.04	5.04	5.03	5.03
	-11.0	-10.5	5.30	5.30	5.29	5.29	5.28	5.28
	-10.0	-9.5	5.53	5.53	5.52	5.52	5.51	5.51
	-9.1	-8.5	5.69	5.69	5.68	5.68	5.67	5.67
	-7.6	-7.0	5.77	5.77	5.76	5.76	5.75	5.75
	-5.6	-5.0	6.01	6.01	6.00	5.99	5.98	5.98
	-3.7	-3.0	6.32	6.32	6.31	6.31	6.30	6.30
	-0.7	0.0	6.81	6.81	6.80	6.80	6.79	6.79
	2.2	3.0	7.41	7.41	7.20	7.20	7.05	6.40
	4.1	5.0	7.45	7.45	7.44	7.44	7.05	6.40
	6.0	7.0	7.79	7.75	7.80	7.46	7.06	6.45
	7.9	9.0	7.99	7.93	7.85	7.49	7.09	6.45
	9.8	11.0	8.25	8.17	7.91	7.52	8.03	6.49
	11.8	13.0	8.72	8.69	7.96	7.58	8.08	6.55
	13.7	15.0	8.74	8.70	8.02	7.62	8.11	6.57
80	-15.0	-14.7	5.48	5.68	5.47	5.47	5.46	5.46
	-13.0	-12.6	5.84	6.04	5.83	5.83	5.82	5.82
	-11.0	-10.5	6.11	6.31	6.10	6.10	6.09	6.09
	-10.0	-9.5	6.38	6.58	6.37	6.37	6.36	6.36
	-9.1	-8.5	6.56	6.76	6.55	6.55	6.54	6.54
	-7.6	-7.0	6.65	6.85	6.64	6.64	6.63	6.63
	-5.6	-5.0	6.92	7.12	6.91	6.91	6.90	6.90
	-3.7	-3.0	7.28	7.48	7.27	7.27	7.26	7.26
	-0.7	0.0	7.82	8.02	7.81	7.81	7.80	7.35
	2.2	3.0	8.47	8.47	8.26	8.26	8.07	7.35
	4.1	5.0	8.78	8.74	8.53	8.53	8.07	7.35
	6.0	7.0	9.05	9.01	8.80	8.56	8.11	7.36
	7.9	9.0	9.31	9.28	8.87	8.63	8.15	7.39
	9.8	11.0	9.66	9.56	8.95	8.68	8.18	7.39
	11.8	13.0	9.79	9.73	9.02	8.74	8.21	7.42
	13.7	15.0	9.98	9.73	9.12	8.79	8.25	7.42
90	-15.0	-14.7	6.31	6.31	6.30	6.30	6.29	6.29
	-13.0	-12.6	6.71	6.71	6.70	6.70	6.69	6.69
	-11.0	-10.5	7.01	7.01	7.00	7.00	5.99	5.99
	-10.0	-9.5	7.31	7.31	7.30	7.30	7.29	7.29
	-9.1	-8.5	7.51	7.51	7.50	7.50	7.49	7.49
	-7.6	-7.0	7.61	7.61	7.60	7.60	7.59	7.59
	-5.6	-5.0	7.91	7.91	7.90	7.90	7.89	7.89
	-3.7	-3.0	8.31	8.31	8.30	8.30	8.29	8.29
	-0.7	0.0	8.91	8.91	8.90	8.90	8.89	8.39
	2.2	3.0	9.41	9.41	9.40	9.40	9.19	8.39
	4.1	5.0	9.69	9.69	9.68	9.65	9.19	8.39
	6.0	7.0	10.01	10.00	10.00	9.70	9.20	8.40
	7.9	9.0	10.31	10.31	10.06	9.76	9.22	8.42
	9.8	11.0	10.59	10.59	10.13	9.81	9.28	8.45
	11.8	13.0	11.01	10.81	10.19	9.88	9.32	8.48
	13.7	15.0	11.31	10.81	10.26	9.93	9.35	8.50
100	-15.0	-14.7	6.94	6.94	6.93	6.93	6.92	6.92
	-13.0	-12.6	7.38	7.38	7.37	7.37	7.36	7.36
	-11.0	-10.5	7.71	7.71	7.70	7.70	7.69	7.69
	-10.0	-9.5	8.04	8.04	8.03	8.03	8.02	8.02
	-9.1	-8.5	8.26	8.26	8.25	8.25	8.24	8.24
	-7.6	-7.0	8.37	8.37	8.36	8.36	8.35	8.35
	-5.6	-5.0	8.70	8.70	8.69	8.69	8.68	8.68
	-3.7	-3.0	9.14	9.14	9.13	9.13	9.12	9.12
	-0.7	0.0	9.80	9.80	9.79	9.79	9.78	9.23
	2.2	3.0	10.35	10.35	10.34	10.34	10.12	9.23
	4.1	5.0	10.68	10.68	10.67	10.67	10.12	9.23
	6.0	7.0	11.01	11.00	11.00	10.69	10.18	9.26
	7.9	9.0	11.34	11.34	11.10	10.74	10.24	9.29
	9.8	11.0	11.67	11.67	11.16	10.79	10.29	9.32
	11.8	13.0	12.11	11.89	11.24	10.86	10.36	9.35
	13.7	15.0	12.44	11.89	11.32	10.91	10.42	9.39

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

Indoor Unit Capacity	Outdoor air Temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH kW	TH kW	TH kW	TH kW	TH kW	TH kW
120	-15.0	-14.7	8.33	8.33	8.31	8.31	8.30	8.30
	-13.0	-12.6	8.87	8.87	8.85	8.85	8.84	8.84
	-11.0	-10.5	9.27	9.27	9.25	9.25	9.24	9.24
	-10.0	-9.5	9.68	9.68	9.66	9.66	9.65	9.65
	-9.1	-8.5	9.95	9.95	9.93	9.93	9.92	9.92
	-7.6	-7.0	10.08	10.08	10.06	10.06	10.05	10.05
	-5.6	-5.0	10.49	10.49	10.47	10.47	10.46	10.46
	-3.7	-3.0	11.03	11.03	11.01	11.01	11.00	11.00
	-0.7	0.0	11.84	11.84	11.82	11.82	11.80	11.13
	2.2	3.0	12.51	12.51	12.49	12.49	12.21	11.13
	4.1	5.0	12.92	12.92	12.90	12.90	12.21	11.13
	6.0	7.0	13.32	13.02	13.00	12.96	12.22	11.14
	7.9	9.0	13.73	13.73	13.09	12.99	12.24	11.16
	9.8	11.0	14.43	14.13	13.18	13.08	12.26	11.17
	11.8	13.0	14.67	14.63	13.26	13.13	12.28	11.19
	13.7	15.0	15.08	14.88	13.35	13.19	12.31	11.21
150	-15.0	-14.7	10.72	10.72	10.71	10.71	10.70	10.70
	-13.0	-12.6	11.40	11.40	11.39	11.39	11.38	11.38
	-11.0	-10.5	11.91	11.91	11.90	11.90	11.89	11.89
	-10.0	-9.5	12.42	12.42	12.41	12.41	12.40	12.40
	-9.1	-8.5	12.76	12.76	12.75	12.75	12.74	12.74
	-7.6	-7.0	12.93	12.93	12.92	12.92	12.91	12.91
	-5.6	-5.0	13.44	13.44	13.43	13.43	13.42	13.42
	-3.7	-3.0	14.12	14.12	14.11	14.11	14.10	14.10
	-0.7	0.0	15.14	15.14	15.13	15.13	15.12	14.27
	2.2	3.0	15.99	15.99	15.98	15.98	15.63	14.27
	4.1	5.0	16.50	16.50	16.49	16.49	15.63	14.27
	6.0	7.0	17.01	17.01	17.00	16.56	15.65	14.28
	7.9	9.0	17.52	17.52	17.10	16.65	15.69	14.31
	9.8	11.0	18.03	18.03	17.18	16.73	15.73	14.35
	11.8	13.0	18.71	18.37	17.26	16.81	15.79	14.38
	13.7	15.0	19.22	18.37	17.35	16.90	15.85	14.40
200	-15.0	-14.7	13.9	13.9	13.9	13.9	13.8	13.8
	-13.0	-12.6	14.8	14.8	14.7	14.7	14.7	14.7
	-11.0	-10.5	15.4	15.4	15.4	15.4	15.4	15.4
	-10.0	-9.5	16.1	16.1	16.1	16.1	16.0	16.0
	-9.1	-8.5	16.5	16.5	16.5	16.5	16.5	16.5
	-7.6	-7.0	16.7	16.7	16.7	16.7	16.7	16.7
	-5.6	-5.0	17.4	17.4	17.4	17.4	17.4	17.4
	-3.7	-3.0	18.3	18.3	18.3	18.3	18.2	18.2
	-0.7	0.0	19.6	19.6	19.6	19.6	19.6	18.5
	2.2	3.0	20.7	20.7	20.7	20.7	20.2	18.5
	4.1	5.0	21.4	21.4	21.3	21.3	20.2	18.5
	6.0	7.0	22.0	22.0	22.0	21.3	20.2	18.7
	7.9	9.0	22.7	22.7	22.1	21.4	20.3	18.7
	9.8	11.0	23.3	23.3	22.2	21.4	20.4	18.8
	11.8	13.0	24.2	23.8	22.2	21.5	20.5	18.9
	13.7	15.0	24.9	23.8	22.3	21.6	20.5	18.9
250	-15.0	-14.7	17.3	17.3	17.3	17.3	17.3	17.3
	-13.0	-12.6	18.4	18.4	18.4	18.4	18.4	18.4
	-11.0	-10.5	19.3	19.3	19.3	19.3	19.2	19.2
	-10.0	-9.5	20.1	20.1	20.1	20.1	20.1	20.1
	-9.1	-8.5	20.6	20.6	20.6	20.6	20.6	20.6
	-7.6	-7.0	20.9	20.9	20.9	20.9	20.9	20.9
	-5.6	-5.0	21.7	21.7	21.7	21.7	21.7	21.7
	-3.7	-3.0	22.8	22.8	22.8	22.8	22.8	22.8
	-0.7	0.0	24.5	24.5	24.5	24.5	24.5	23.1
	2.2	3.0	25.9	25.9	25.9	25.9	25.3	23.1
	4.1	5.0	26.7	26.7	26.7	26.7	25.3	23.1
	6.0	7.0	27.5	27.5	27.5	26.8	25.4	23.2
	7.9	9.0	28.3	28.3	27.6	26.9	25.5	23.3
	9.8	11.0	29.2	29.2	27.7	26.9	25.5	23.3
	11.8	13.0	30.3	29.7	27.9	27.0	25.6	23.4
	13.7	15.0	31.1	29.7	27.9	27.1	25.7	23.5



Indoor Unit Capacity	Outdoor air Temperature (°C)		Indoor air Temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH kW	TH kW	TH kW	TH kW	TH kW	TH kW
280	-15.0	-14.7	19.4	19.4	19.4	19.4	19.4	19.4
	-13.0	-12.6	20.7	20.7	20.6	20.6	20.6	20.6
	-11.0	-10.5	21.6	21.6	21.6	21.6	21.5	21.5
	-10.0	-9.5	22.5	22.5	22.5	22.5	22.5	22.5
	-9.1	-8.5	23.1	23.1	23.1	23.1	23.1	23.1
	-7.6	-7.0	23.4	23.4	23.4	23.4	23.4	23.4
	-5.6	-5.0	24.4	24.4	24.3	24.3	24.3	24.3
	-3.7	-3.0	25.6	25.6	25.6	25.6	25.5	25.5
	-0.7	0.0	27.4	27.4	27.4	27.4	27.4	25.9
	2.2	3.0	29.0	29.0	29.0	29.0	28.3	25.9
	4.1	5.0	29.9	29.9	29.9	29.9	28.3	25.9
	6.0	7.0	30.8	30.8	30.8	30.1	28.3	26.0
	7.9	9.0	31.7	31.7	30.9	30.2	28.4	26.1
	9.8	11.0	32.7	32.7	31.0	30.2	28.5	26.2
450	-15.0	-14.7	31.6	31.6	31.5	31.5	31.5	31.5
	-13.0	-12.6	33.6	33.6	33.5	33.5	33.5	33.5
	-11.0	-10.5	35.1	35.1	35.0	35.0	30.0	30.0
	-10.0	-9.5	36.6	36.6	36.5	36.5	36.5	36.5
	-9.1	-8.5	37.6	37.6	37.5	37.5	37.5	37.5
	-7.6	-7.0	38.1	38.1	38.0	38.0	38.0	38.0
	-5.6	-5.0	39.6	39.6	39.5	39.5	39.5	39.5
	-3.7	-3.0	41.6	41.6	41.5	41.5	41.5	41.5
	-0.7	0.0	44.6	44.6	44.5	44.5	44.5	42.0
	2.2	3.0	47.1	47.1	47.0	47.0	46.0	42.0
	4.1	5.0	49.1	49.0	48.5	48.0	46.0	42.0
	6.0	7.0	50.1	50.0	50.0	48.5	46.0	42.0
	7.9	9.0	51.6	51.6	50.4	48.8	46.2	42.0
	9.8	11.0	53.0	53.0	50.8	49.1	46.4	42.1
560	-15.0	-14.7	39.8	39.8	39.7	39.7	39.6	39.6
	-13.0	-12.6	42.3	42.3	42.2	42.2	42.1	42.1
	-11.0	-10.5	44.2	44.2	44.1	44.1	44.0	44.0
	-10.0	-9.5	46.1	46.1	46.0	46.0	45.9	45.9
	-9.1	-8.5	47.3	47.3	47.3	47.3	47.2	47.2
	-7.6	-7.0	48.0	48.0	47.9	47.9	47.8	47.8
	-5.6	-5.0	49.8	49.8	49.8	49.8	49.7	49.7
	-3.7	-3.0	52.4	52.4	52.3	52.3	52.2	52.2
	-0.7	0.0	56.1	56.1	56.1	56.1	56.0	52.9
	2.2	3.0	59.3	59.3	59.2	59.2	57.9	52.9
	4.1	5.0	61.2	61.2	61.1	61.1	57.9	52.9
	6.0	7.0	63.1	63.1	63.0	61.1	58.0	52.9
	7.9	9.0	65.0	65.0	63.3	61.5	58.0	52.9
	9.8	11.0	66.9	66.9	63.8	61.9	58.0	52.9
	11.8	13.0	69.4	68.1	64.1	62.2	58.0	53.0
	13.7	15.0	71.3	68.1	64.6	63.1	58.2	53.1

Remarks:

1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capacities: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TH: Total heating capacity

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

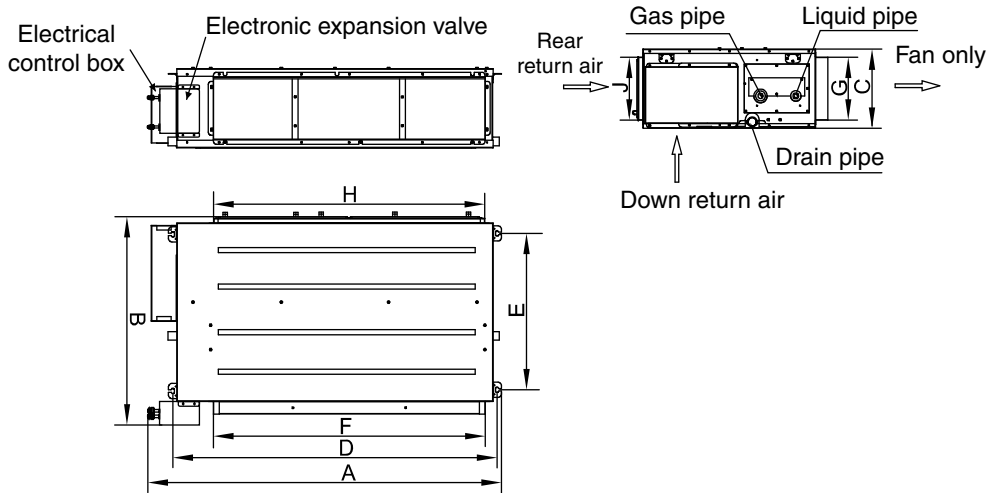
High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

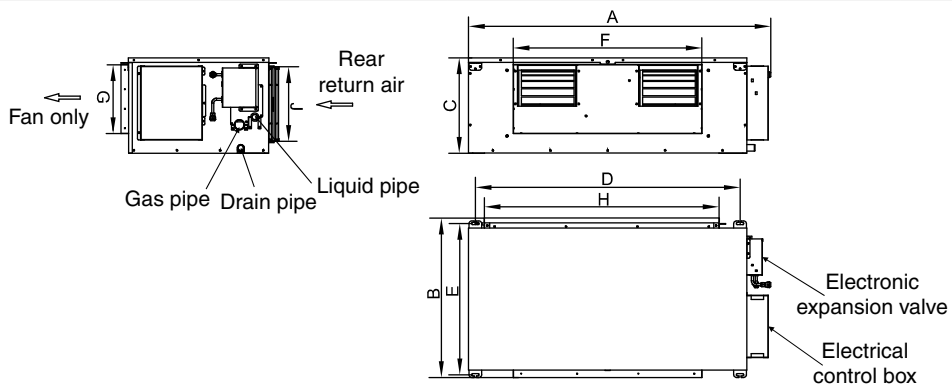
All Fresh Air Unit

## 5 Dimensions Drawings

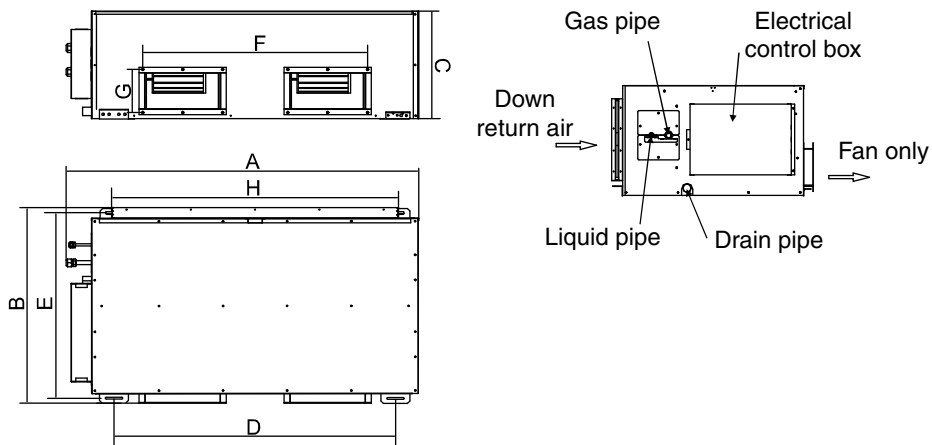


Unit: mm

Indoor Unit model	Body dimension			Mounting Dimensions		Air outflow dimension		Return air dimension	
	A	B	C	D	E	F	G	H	J
MWD071~090AMH	1445	680	260	1337	515	1156	197	1156	207

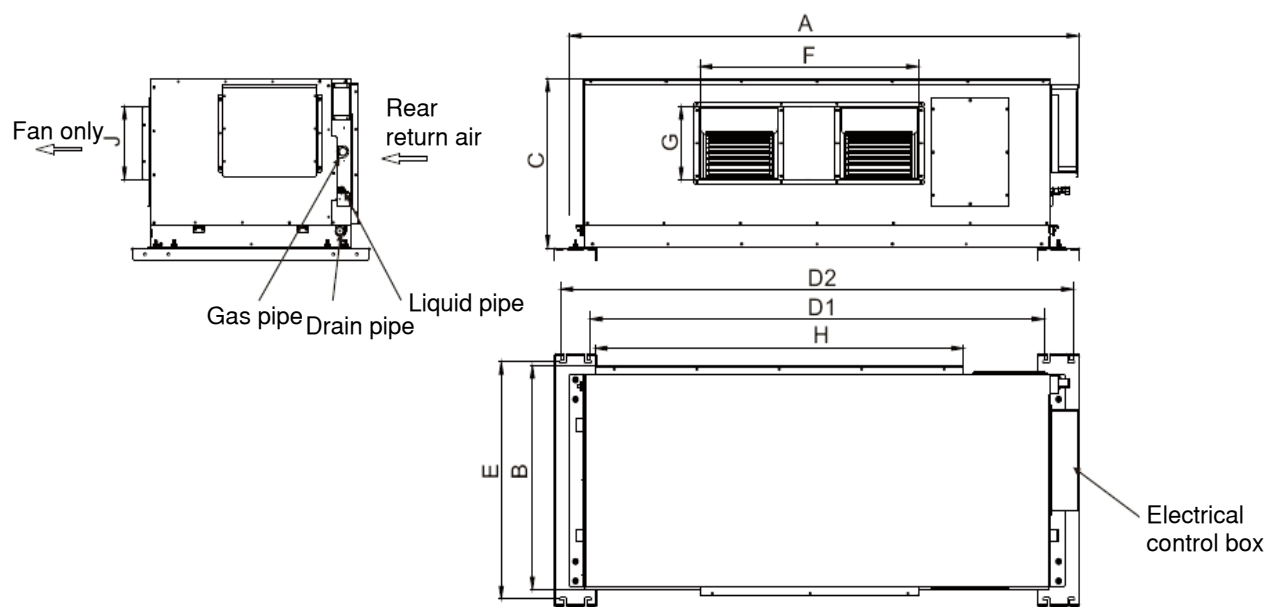


Indoor Unit model	Body dimension			Mounting Dimensions		Air outflow dimension		Return air dimension	
	A	B	C	D	E	F	G	H	J
MWD100~150AMH	1190	620	370	1038	588	740	267	920	290



Unit: mm

Indoor Unit model	Body dimension			Mounting Dimensions		Air outflow dimension		Return air dimension	
	A	B	C	D	E	F	G	H	J
MWD200~280AMH	1465	811	448	1162	771	930	180	1174	272



Unit: mm

Dimension code	Body dimension			Mounting Dimensions		Air outflow dimension		Return air dimension	
Indoor Unit model	A	B	C	D	E	F	G	H	J
MWD450~560ADH	2165	916	676	1926	2176	950	292	1563	563

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

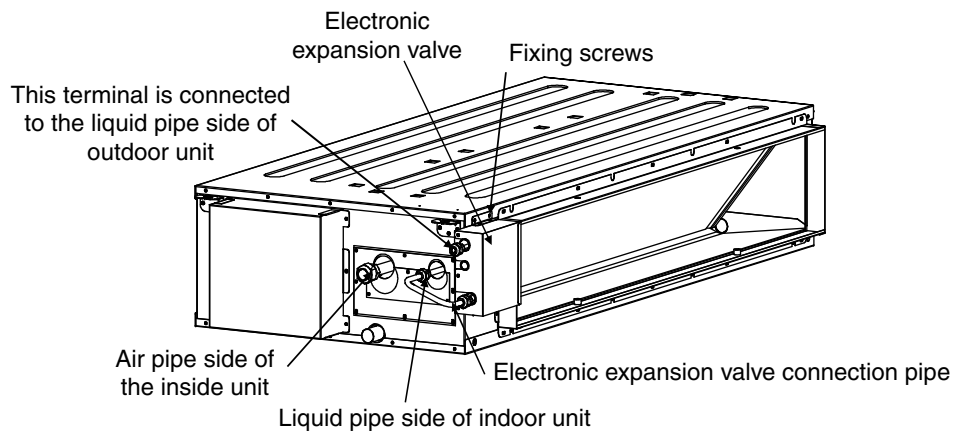
Wall-mounted  
Unit

Floor Ceiling  
Unit

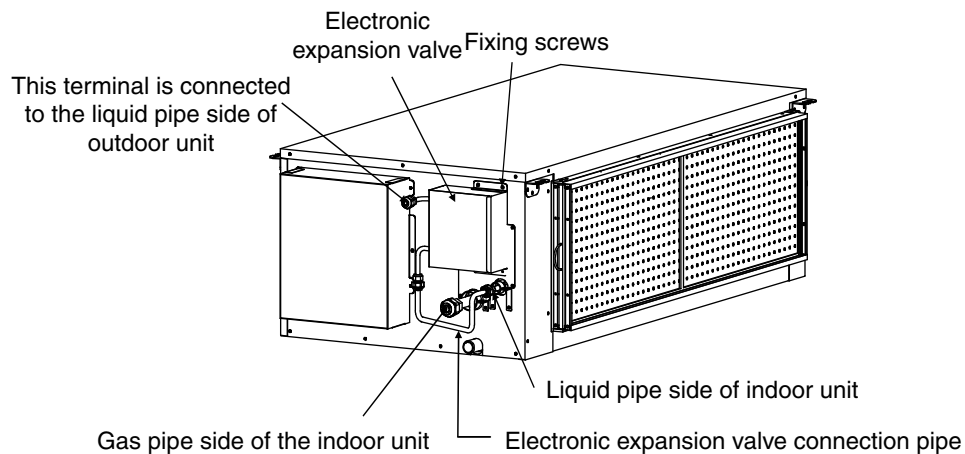
All Fresh Air  
Unit

## 6 Pipe Connection

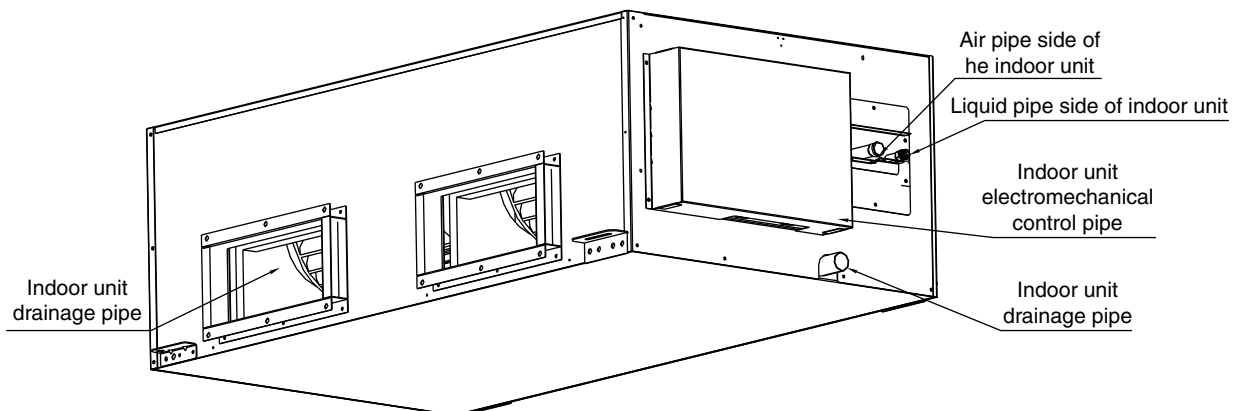
Indoor units models: MWD071 ~ 090AMH



Indoor units models: MWD100 ~ 150AMH

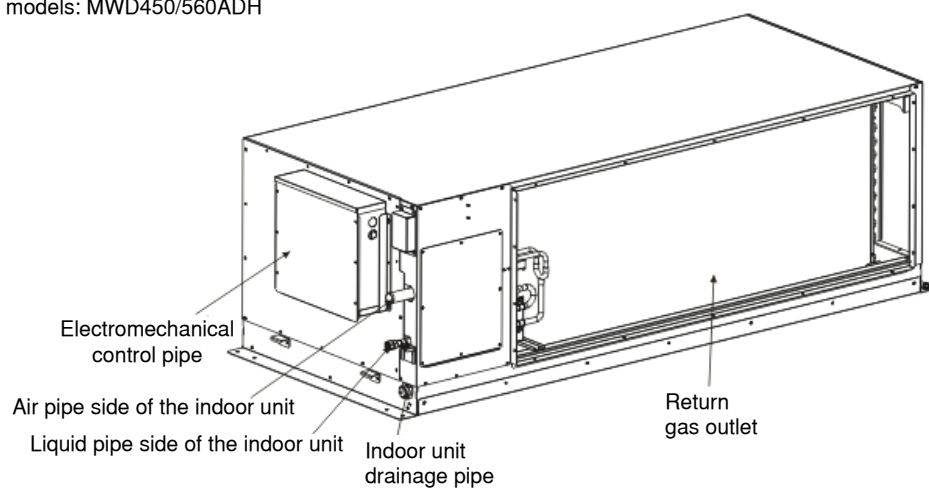


Indoor units models: MWD200 ~ 280AMH



Note: The electronic expansion valve of this model is Unit built-in. connecting to the outside is not required.

Indoor units models: MWD450/560ADH



Remark: The electronic expansion valve of this model is Unit built-in.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

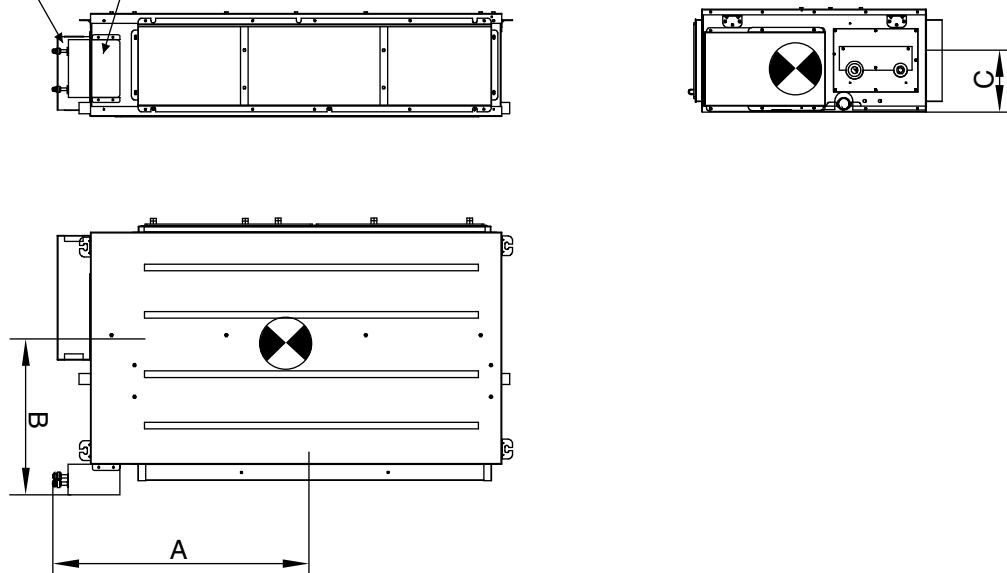
Wall-mounted  
Unit

Floor Ceiling  
Unit

All Fresh Air  
Unit

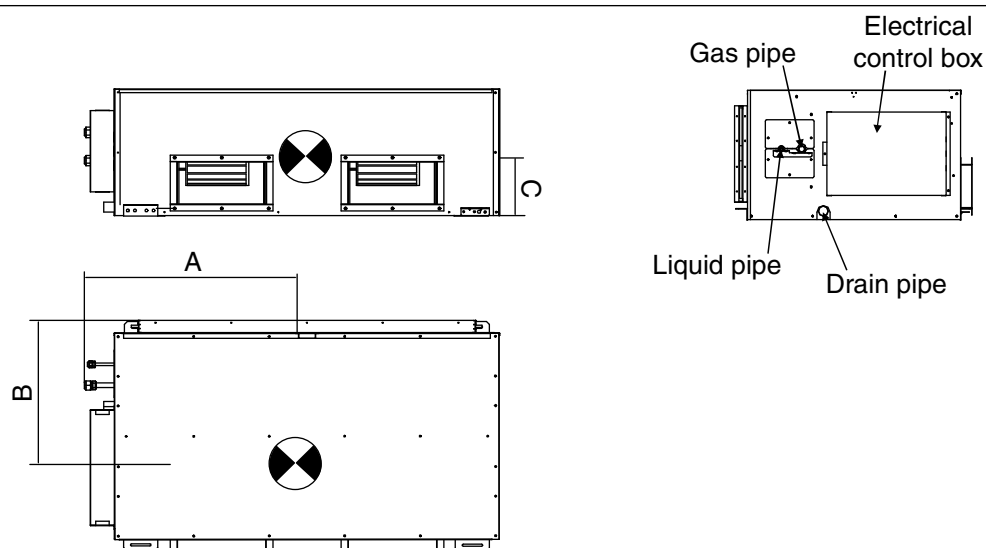
## 7 Center of Gravity

Electrical control box  
Electronic expansion valve



Unit: mm

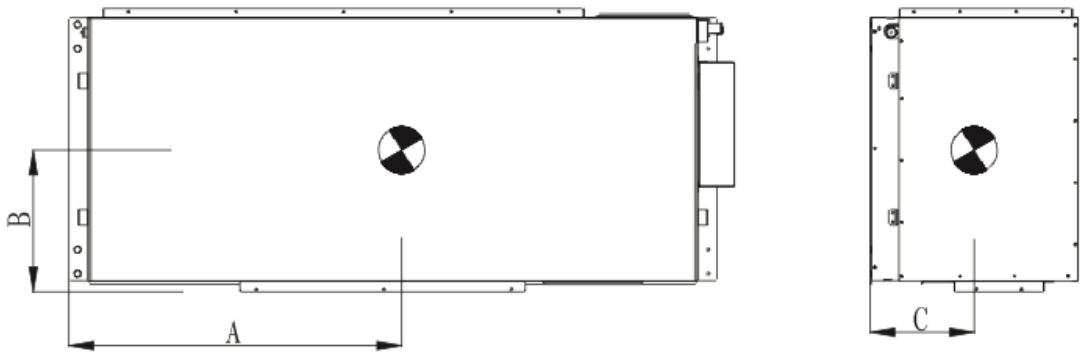
Indoor Unit model	Dimension code	Center of gravity dimension		
		A	B	C
MWD071~090AMH		750	400	130



Unit: mm

Indoor Unit model	Dimension code	Center of gravity dimension		
		A	B	C
MWD100~150AMH		600	350	180
MWD200~280AMH		735	500	200





Unit: mm

Indoor Unit model	Dimension code	Center of gravity dimension		
		A	B	C
MWD450~560ADH		1080	460	340

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

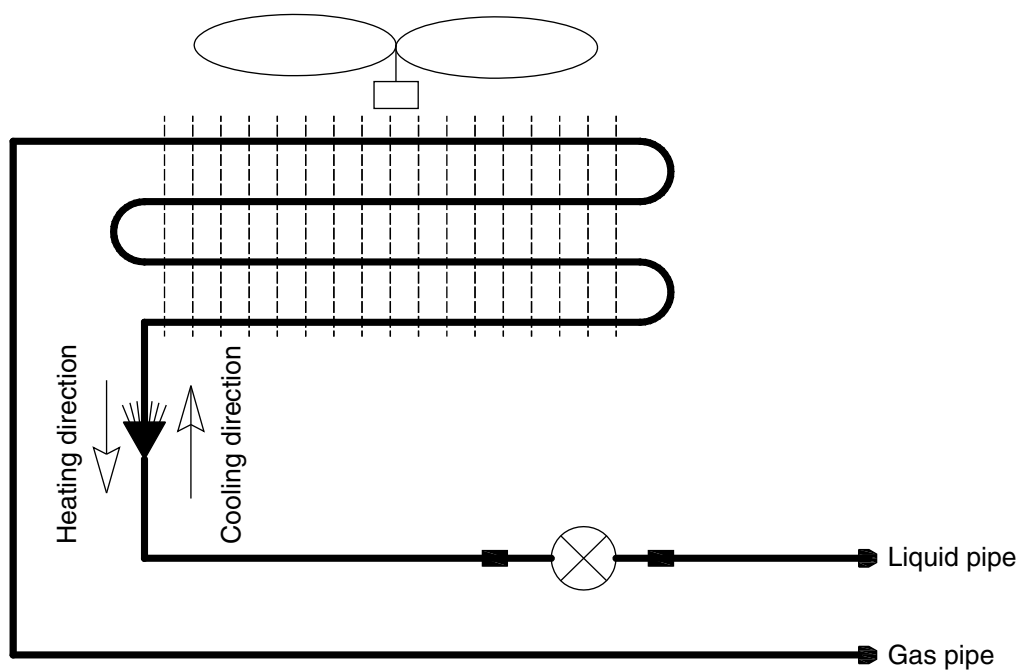
High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

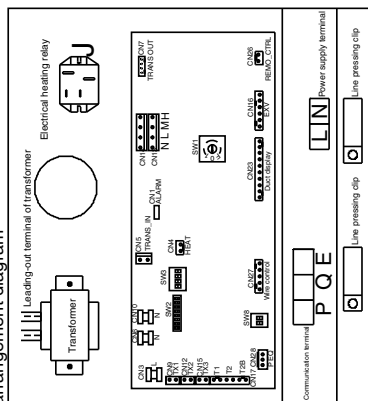
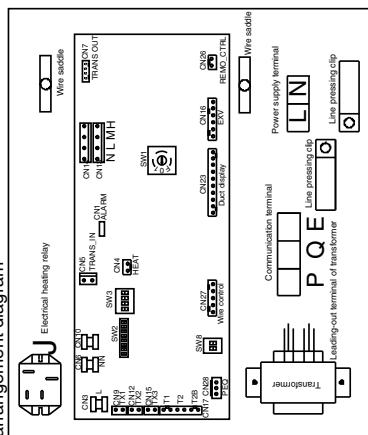
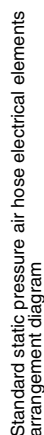
All Fresh Air  
Unit

## 8 Piping Diagram







Model	MWD071~090AMH	MWD100~150AMH	MWD200~280AMH	MWD450~560ADH
Liquid pipe	Φ9.52(flaring connection)		Φ12.7(flaring connection)	Φ15.88(flaring connection)
Gas pipe	Φ15.88(flaring connection)		Φ22.2(brazing connection)	Φ28.6(brazing connection)

■ MWD071~090AMH







**Notice:** Terminal has no earth connection bit, but needs to install earthing screws on electronic control box metal plate earth connection mark for field installation.



Heating temperature compensation value selection bit	
SW2 3rd and 4th place	Temperature selection
<div> <div> <div>ON</div> <div>OFF</div> </div> <div> <div>ON</div> <div>OFF</div> </div> </div> (factory default)	6°C
<div> <div>ON</div> <div>OFF</div> </div> <div> <div>ON</div> <div>OFF</div> </div>	2°C
<div> <div>ON</div> <div>OFF</div> </div> <div> <div>ON</div> <div>OFF</div> </div>	4°C
<div> <div>ON</div> <div>OFF</div> </div> <div> <div>ON</div> <div>OFF</div> </div>	8°C





Temperature valve select bit of against cold air block		SW2 5th and 6th place	Temperature selection
	15°C	(factory default)	15°C
	20°C		20°C
	24°C		24°C
	26°C		26°C

Time selection of off-wind fan under heating mode		Temperature selection
SW2 7th and 8th place	<div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> </div>	4 min
	<div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> </div>	8 min
	<div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> </div>	12 min
	<div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> </div>	16 min

 ON  OFF	Dial up to ON
 ON  OFF	Dial up to digital side

Note: SW8 dial-up is for debugging, to digital side default.  
If dial isn't stated, acquiesce in dialing up to digital side.

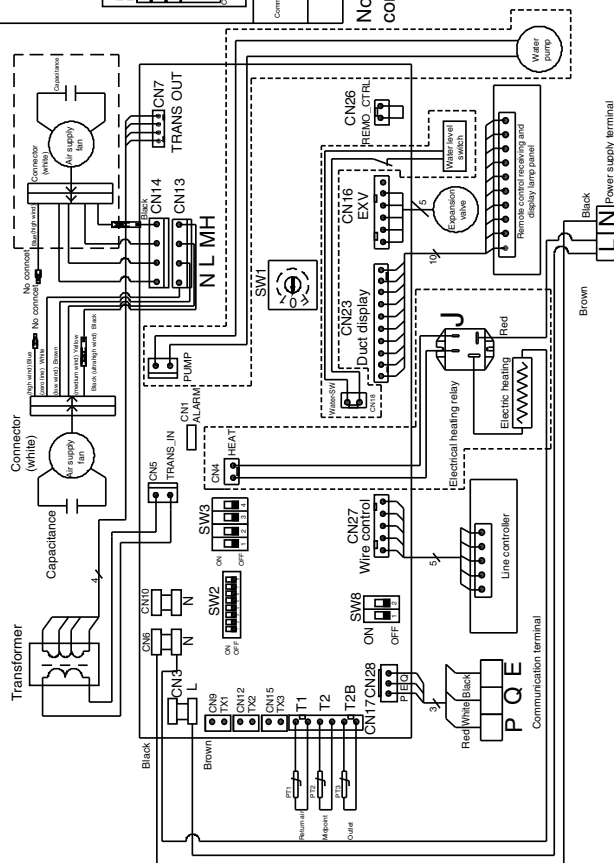
Customize power down memory function according to contract	SW3	ON		With power down memory function
		OFF		No power down memory function

SW3 The 4th place	ON		Addressing mode select bit
	OFF		
	ON		automatic addressing mode (factory default)
	OFF		test pattern (allowing address reset)

Factory settings

SW3 SW8 SW2

ON OFF 1 2 3 4 5 6 7 8



The horsepower of indoor unit which has been set before delivery can be reset through dial switch SW1 (16 bit dial disk) on indoor board. The horsepower indoor unit includes types below:

	0.8	1	1.2	1.7	2	2.5	3	3.2	4	5	6
HP	16/22	25/26/28	32/35/36	40/45/46	50/51/56	60/63/66/71	80	88/90	100/110/112	120/125/140	150/160
Power											
Capacity dial-up	0	1	2	3	4	5	6	7	8	9	9

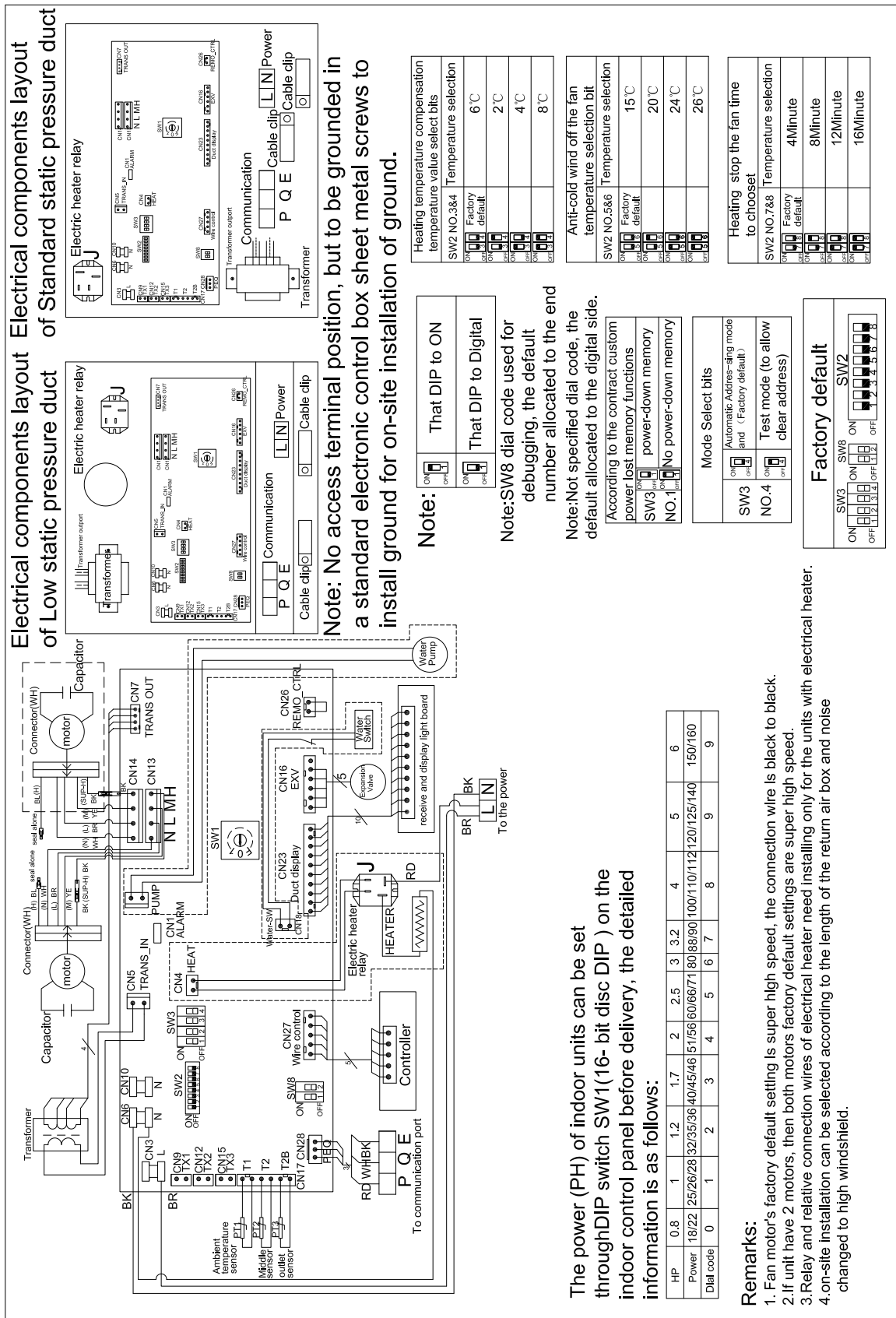
**Note:**

1. Indoor electrical motor connects ultrahigh wind when leaving the factory, and brace connecting line butt joints with black.
2. If two of them are electrical motors, both connect ultrahigh wind when leaving the factory.
3. Only charged heating type needs to install electrical heating relay and related connecting lines.
4. Change to high wind on field installation according to the length of return air box and noise.

Remarks:

1. Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings.
2. Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.

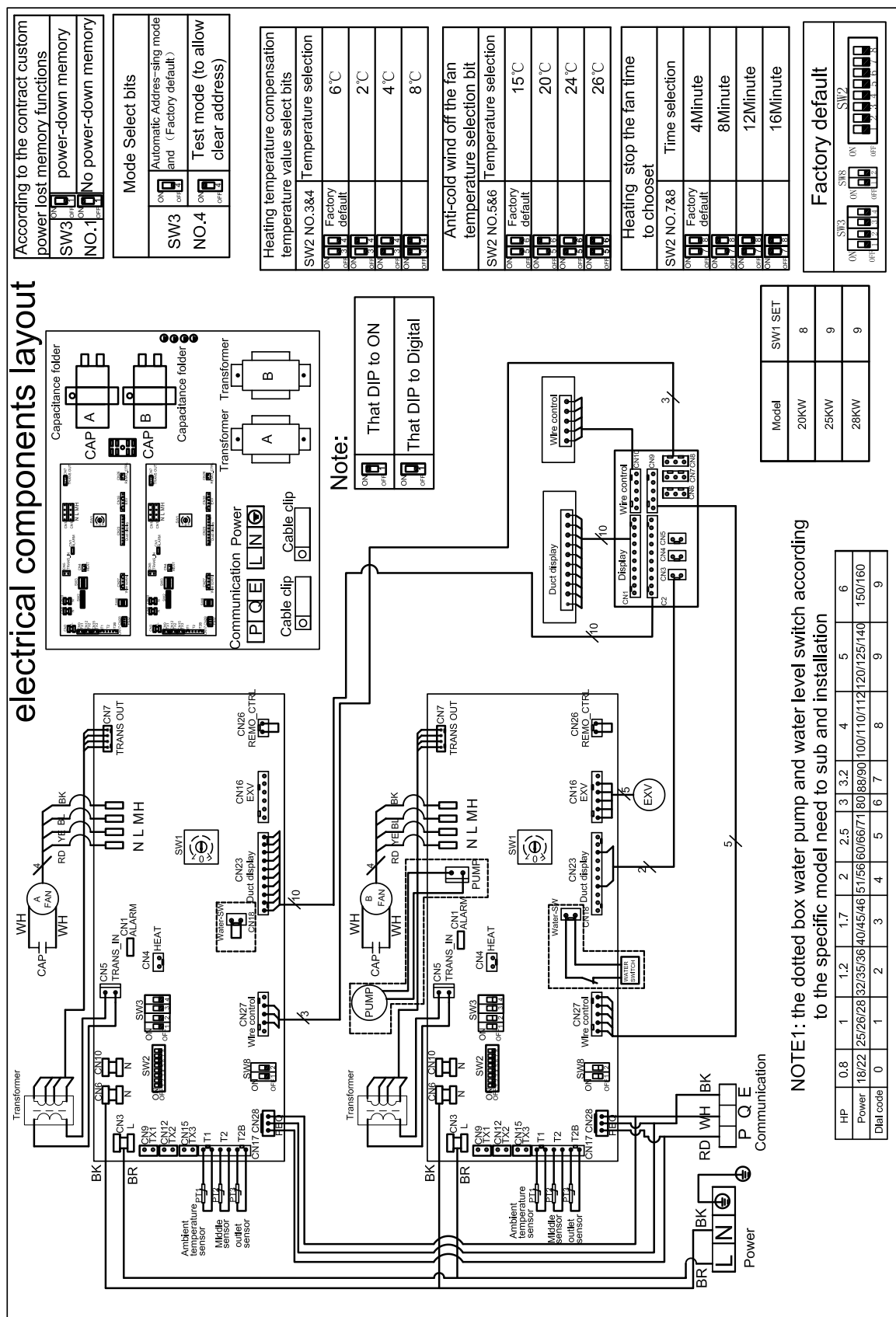
## ■ MWD100~150AMH



### Remarks:

1. Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings.
2. Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.

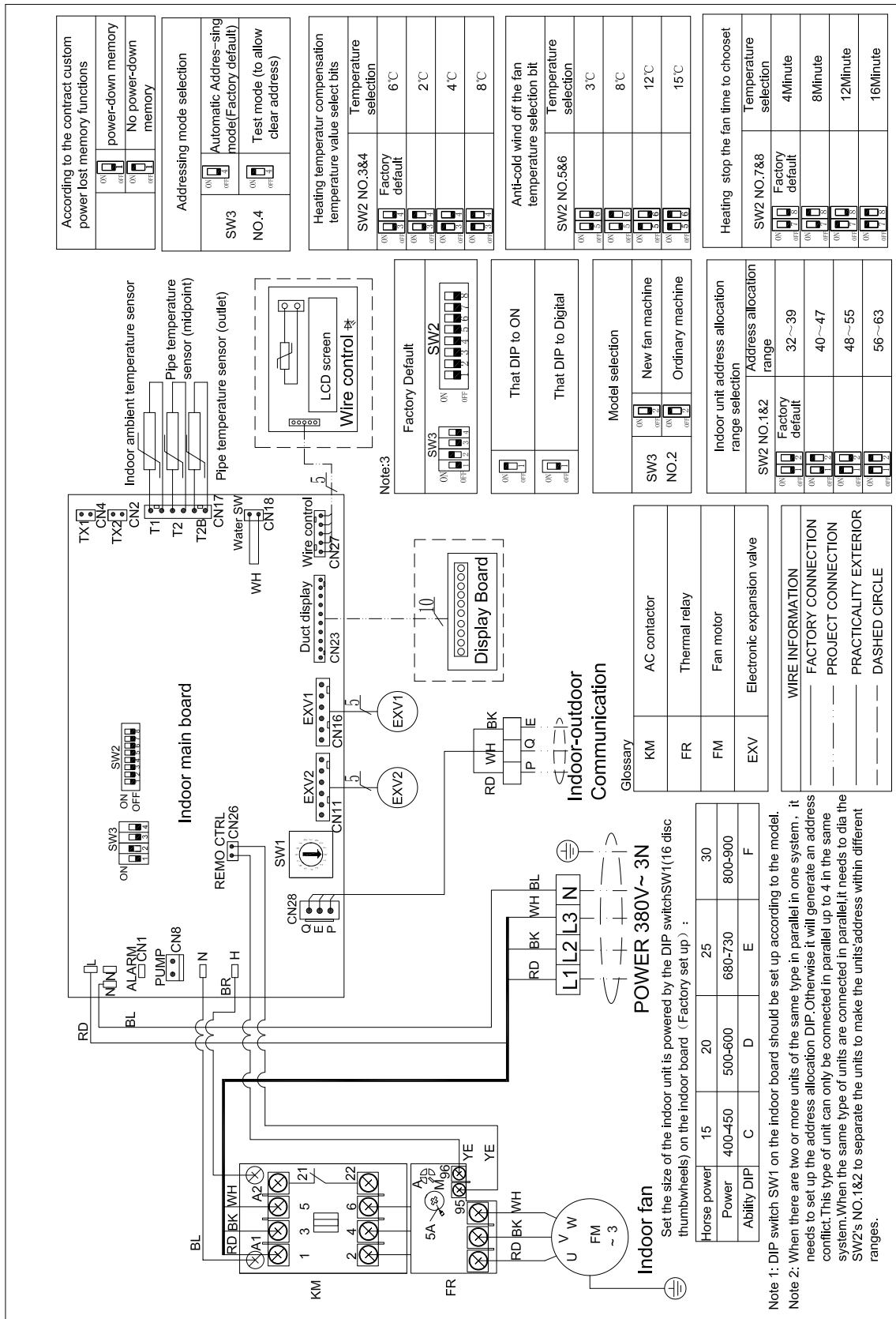
■ MWD200~280AMH



Remarks:

1. Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings.
2. Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.

## ■ MWD450~560ADH

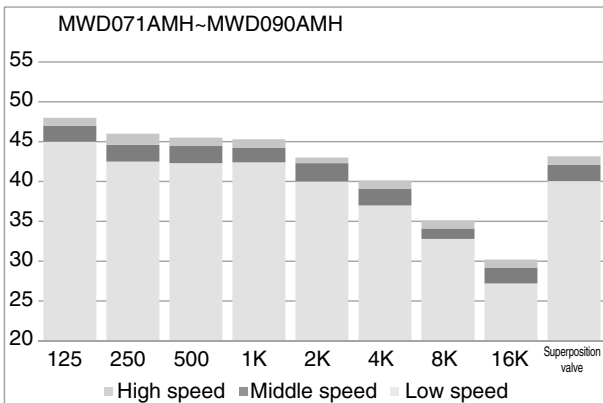


### Remarks:

1. Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings.
2. Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.

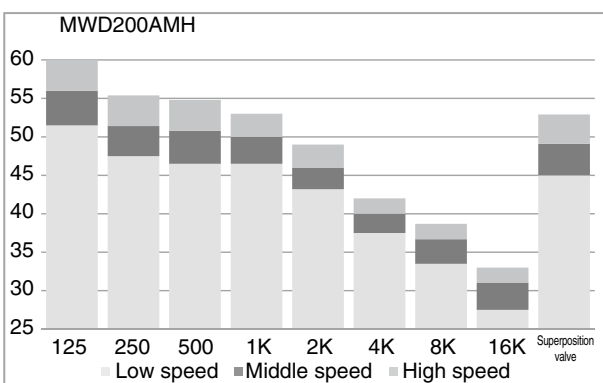


## 10 Sound Data



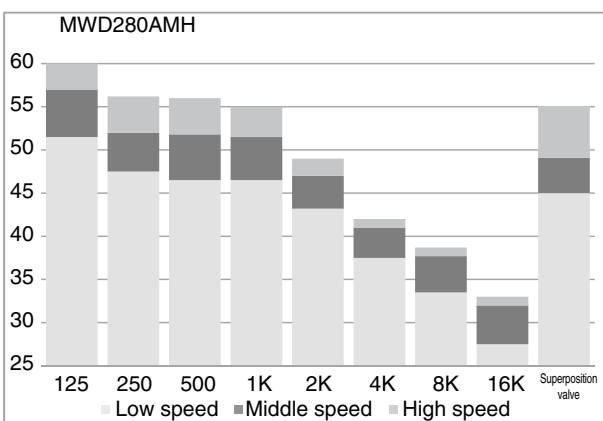
**Description:**

1. Noise measured at the actual value measured in the semi-anechoic chamber;
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



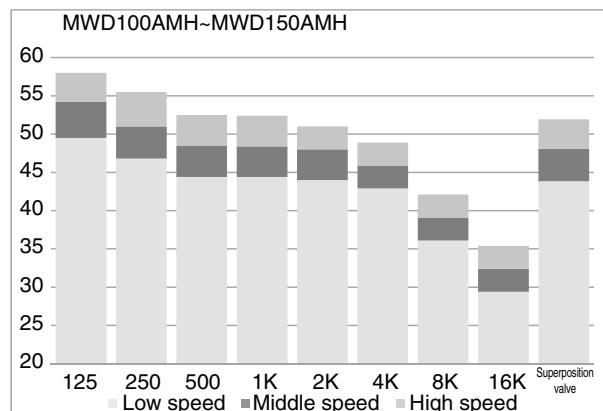
**Description:**

1. Noise measured at the actual value measured in the semi-anechoic chamber;
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



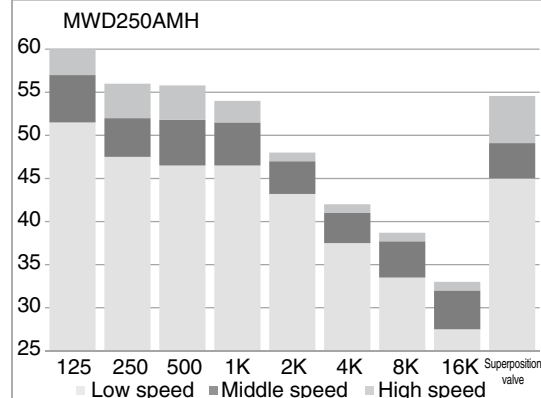
**Description:**

1. Noise measured at the actual value measured in the semi-anechoic chamber;
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



**Description:**

1. Noise measured at the actual value measured in the semi-anechoic chamber;
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



**Description:**

1. Noise measured at the actual value measured in the semi-anechoic chamber;
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

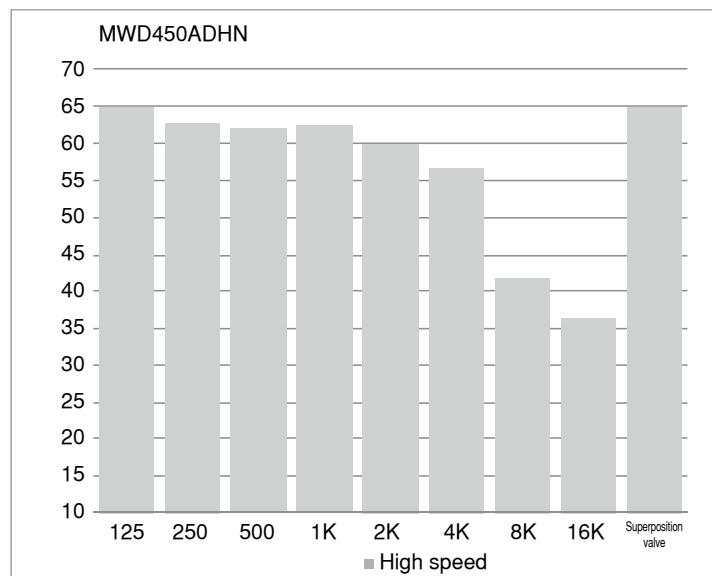
Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

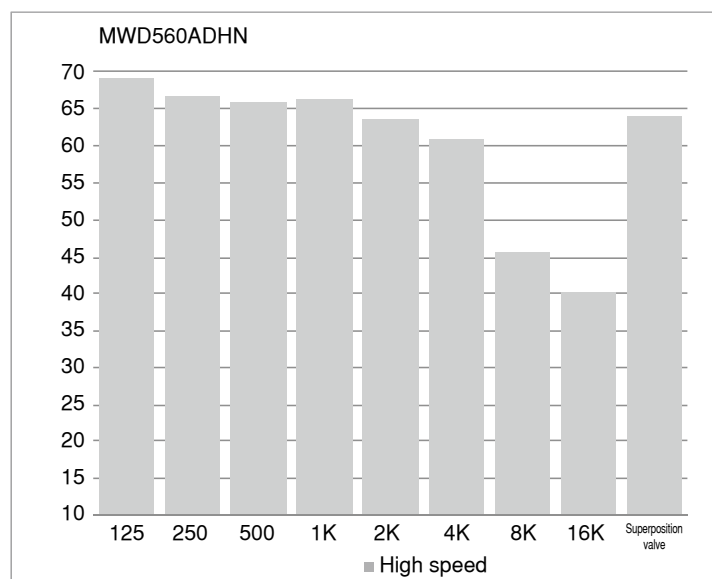
Floor Ceiling Unit

All Fresh Air Unit



**Description:**

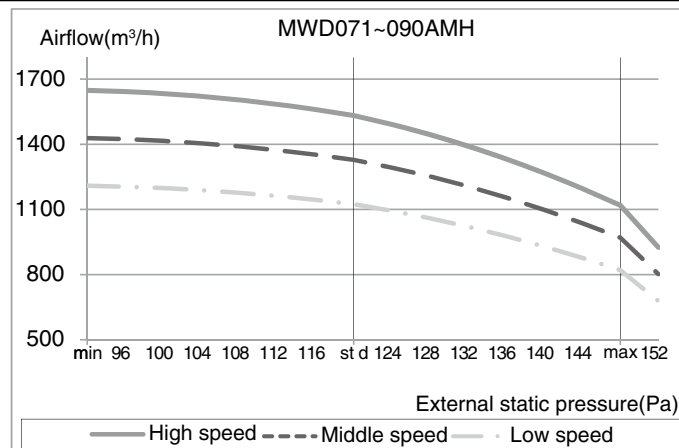
1. Noise measured at the actual value measured in the semi-anechoic chamber;
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



**Description:**

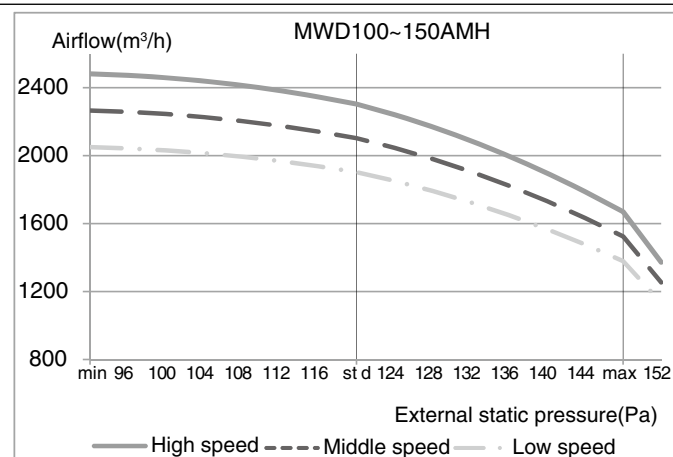
1. Noise measured at the actual value measured in the semi-anechoic chamber;
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.

## 11 Fan Characteristics



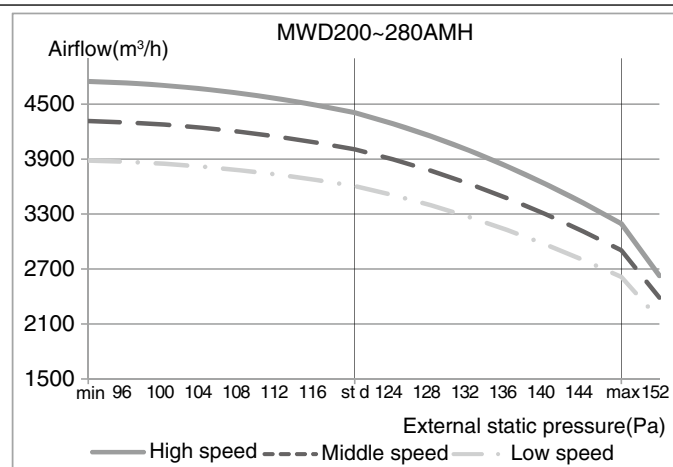
**Remark:**

1. This curve is the variation curve of airflow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.



**Remark:**

1. This curve is the variation curve of airflow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.



**Remark:**

1. This curve is the variation curve of airflow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

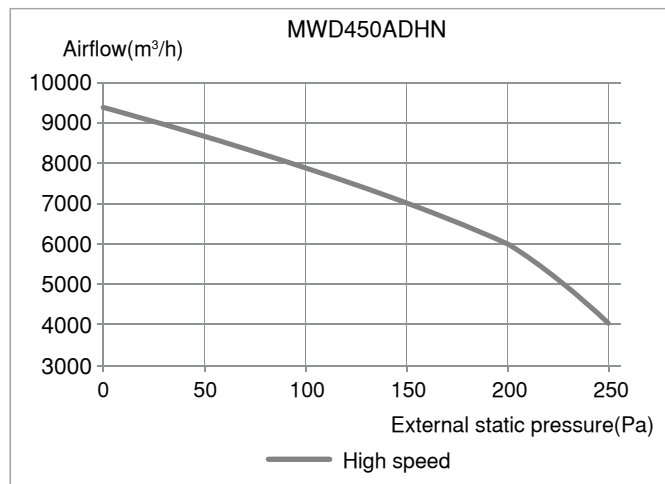
Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

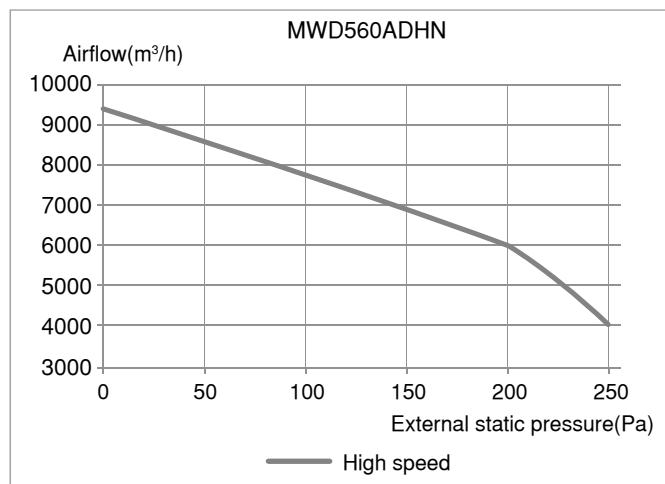
Floor Ceiling  
Unit

All Fresh Air  
Unit



**Remark:**

1. This curve is the variation curve of airflow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.



**Remark:**

1. This curve is the variation curve of airflow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.

## 12 Installation

Note: There are two installation methods for High ESP duct unit MWD071 ~ 090AMH: rear return air and down return air, while MWD100 ~ 280AMH has only rear return air method without down return air method, and their installation are as follows:

1.Rear return air, Without building air passage for return air	
2.Rear return air, building air passage for return air Note: When connected to the air passage of return air, remove the automatic filter of indoor unit, and install at the new return air outlet	
3.Down return air Note: Only MWD071 ~ 090AMH	
4.Down return air, Direct return air Note: Only MWD071 ~ 090AMH	

Indoor unit

- 1-way cassette Unit
- 2-way Cassette Unit
- 4-way Cassette Unit
- Slim Duct Unit
- Standard ESP Duct Unit
- Medium ESP Duct Unit
- High ESP Duct Unit
- Wall-mounted Unit
- Floor Ceiling Unit
- All Fresh Air Unit

High ESP duct unit note: the on-site adjustment methods of two installation methods of rear return air and down return air for MWD071 ~ 090AMH are as follows:

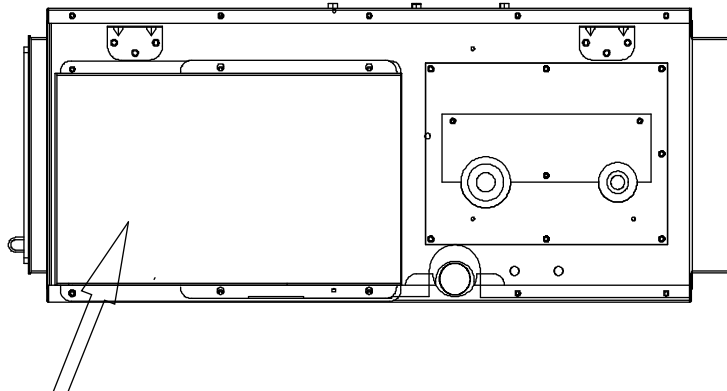
1.The rear return air method is the factory default mode; when there is a need to turn to the down return air, first remove the filter and return air board as shown	
2.Install reversely the return air board and filter screen, which becomes the down return air method	

Remark:

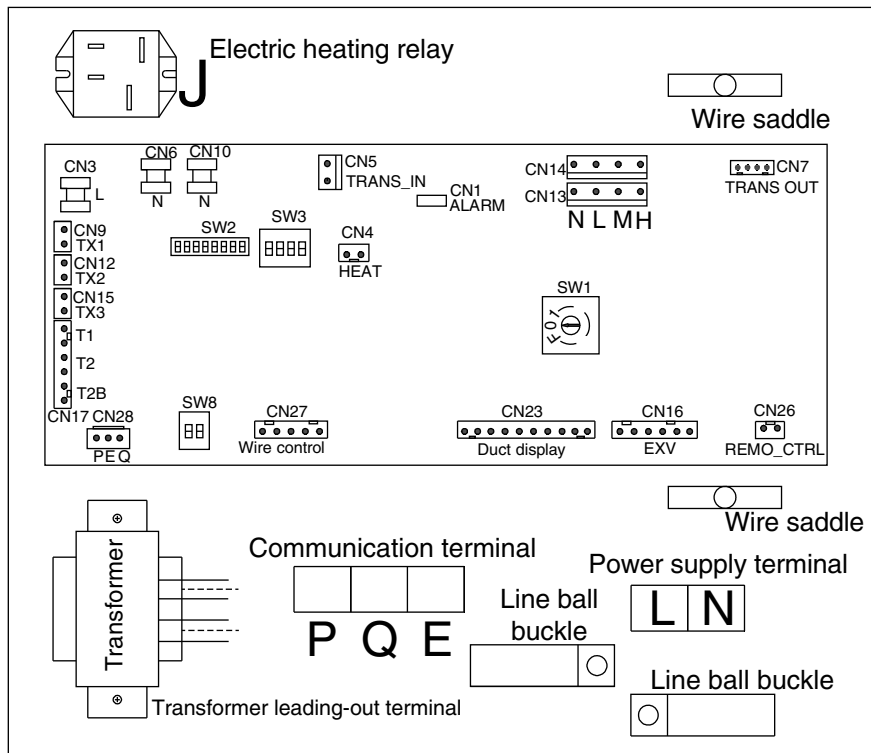
- 1.The body must be securely installed, and the body should be maintain horizontally, or it may cause water leakage.
- 2.The installation of the unit must be added to the repair port.
- 3.The repair port size is about 500x500mm; the position is as close as possible to the piping and the side of the electric control box.

## 13 Electrical Box Connection

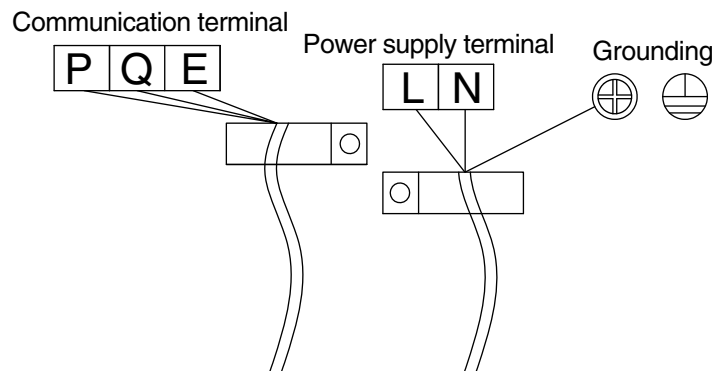
1. Take down the electronic control box cover pointed by the arrows as shown



2. Refer to the following electrical layout



3. As shown below, connect the power line and the indoor and outdoor communication lines respectively

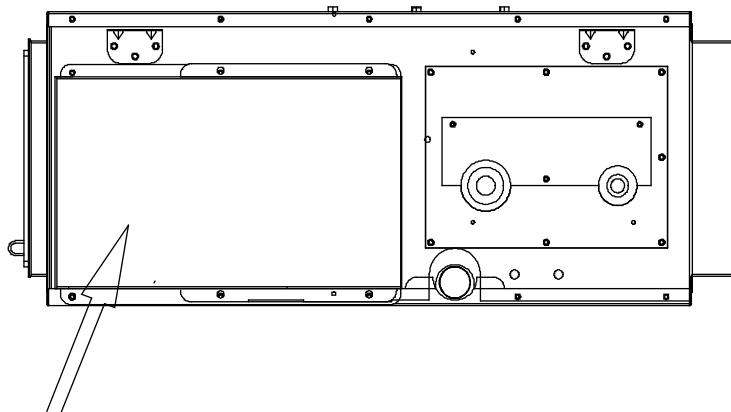


### Remarks:

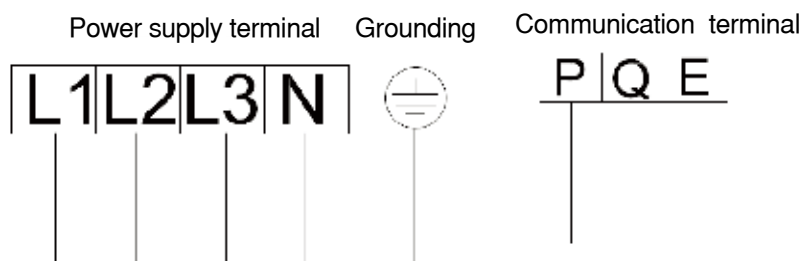
- Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.
- For the specific different models, there may be slightly difference; hence it is subject to the actual goods.



1.Take down the electronic control box cover pointed by the arrows as shown



2.As shown below, connect the power line and the indoor and outdoor communication lines respectively



Remarks:

1. Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.
2. For the specific different models, there may be slightly difference; hence it is subject to the actual goods.

## Wall-mounted Unit



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# 1 Technical Specifications

Indoor units Model				MWW022AMNNAA	MWW028AMNNAA	MWW036AMNNAA	MWW045AMNNAA	MWW051AMNNAA	MWW071AMNNAA	
Specifications				MWW022AMNNBA	MWW028AMNNBA	MWW036AMNNBA	MWW045AMNNBA	MWW051AMNNBA	MWW071AMNNBA	
				MWW022AMNNCA	MWW028AMNNCA	MWW036AMNNCA	MWW045AMNNCA	MWW051AMNNCA	MWW071AMNNCA	
Cooling capacity			kW	2.2	2.8	3.6	4.5	5.1	7.1	
Heating capacity			kW	2.5	3.2	4	5	5.6	8	
Rated input power	Cooling	kW	0.055			0.058	0.060			
	Heating	kW	0.055			0.058	0.060			
Appearance	Color		Ivory							
	Material		Plastic body							
Size	Unit	Length×Width×Height	mm	900×296×216				1080×304×221		
Weight	Unit		kg	12				16		
Heat exchanger	Fin type			Hydrophilic						
Fans	Type			Cross-flow fans						
	Quantity			1						
	Airflow	Cooling/Heating	High	m³/h	540		600	780	1000	
			Middle	m³/h	440		500	650	800	
			Low	m³/h	340		400	550	600	
Static pressure		Pa	0							
Motor	Quantity			1						
	Rotate speed	Cooling/Heating	High	rpm	810		1150	1300	1350	
			Middle	rpm	720		1050	1150	1200	
			Low	rpm	640		950	1000	1050	
	Power (high speed)		w	55			58	60		
Noise	Cooling/Heating	High	dBA	36			42	48		
		Middle	dBA	34			39	46		
		Low	dBA	32			37	44		
Refrigerant	Type			R410A						
	Flow control			Electronic expansion valve						
Connecting pipe	Gas pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ9.52		Φ12.7			Φ15.88	
	Liquid pipe	Connection method		Flaring connection						
		Pipe diameter	mm	Φ6.35					Φ9.52	
	Drain pipe	Size (OD)		DN20						
Drain-up height		mm	0							
Air Filter				ABS filter grille						
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.						

Z

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## 2 Electrical Data

Indoor Unit model	Power supply					Running current	
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated Current	Fusing current
MWW022AMNNAA MWW022AMNNBA MWW022AMNNCA	AC	50Hz	220V	-10%	+10%	0.25A	5A
MWW028AMNNAA MWW028AMNNBA MWW028AMNNCA							5A
MWW036AMNNAA MWW036AMNNBA MWW036AMNNCA						0.26A	5A
MWW045AMNNAA MWW045AMNNBA MWW045AMNNCA						0.27A	5A
MWW051AMNNAA MWW051AMNNBA MWW051AMNNCA							5A
MWW071AMNNAA MWW071AMNNBA MWW071AMNNCA							5A

Remark:

1. Fusing current refers to the motherboard fusing current, excluding electric heating current.

## 3 Details of Accessories Included

Name	Quantity
Accessory bag 1	
Wireless remote controller	1 pcs
7 # battery	1 pair
Certificate	1 pcs
Self-tapping screws	2 pcs
Expansion rubber stopper	2 pcs
Instructions	1 pcs
Accessory bag 2	
High-pressure single-joint thermal insulation pipe	1 pcs
Low-pressure single-joint thermal insulation pipe	1 pcs
Fork shaped pre-insulated terminal	3 pcs
Round shaped pre-insulated terminal	6 pcs
Accessory bag 3	
Drainage assembly	1 pcs

Note:

1. Warranty card is put in the accessory bag of outdoor unit.
2. Due to continuous product updates and progress, the actual accessories included may vary, so it is subject to the actual condition without further notice.

## 4 Capacity Tables

### 4-1. Cooling capacity tables

Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
22	10.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.7	1.7	3.0	1.7
	12.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.7	1.7	2.9	1.6
	14.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.7	1.7	2.9	1.6
	16.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.7	1.7	2.9	1.6
	18.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.7	1.7	2.8	1.6
	20.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.8	1.5
	21.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.7	1.5
	23.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.5	1.6	2.7	1.5
	25.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.5	1.6	2.7	1.5
	27.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.5	1.6	2.6	1.5
	29.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.4	1.5	2.6	1.5
	31.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.4	1.5	2.5	1.5
	33.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.4	1.5	2.5	1.5
	35.0	1.6	1.4	1.9	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.3	1.5	2.4	1.5
28	10.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.8	2.2
	12.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.7	2.1
	14.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.7	2.1
	16.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.6	2.1
	18.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.6	2.1
	20.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.5	2.1
	21.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.5	2.1
	23.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.1	3.5	2.1
	25.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.3	2.1	3.4	2.0
	27.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.3	2.1	3.4	2.0
	29.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.2	2.0	3.3	1.9
	31.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.2	2.0	3.3	1.9
	33.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.2	2.0	3.2	1.9
	35.0	2.0	1.7	2.4	1.9	2.6	2.1	2.8	2.1	2.9	2.0	3.1	2.0	3.1	1.9
36	10.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.4	2.6	4.8	2.7
	12.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.4	2.6	4.8	2.7
	14.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.4	2.6	4.7	2.6
	16.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.3	2.6	4.6	2.6
	18.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.3	2.6	4.6	2.6
	20.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.3	2.6	4.5	2.5
	21.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.3	2.6	4.5	2.5
	23.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.2	2.5	4.4	2.4
	25.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.1	2.5	4.3	2.4
	27.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.1	2.4	4.2	2.4
	29.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.1	2.4	4.2	2.4
	31.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.1	2.4	4.1	2.4
	33.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.0	2.3	4.0	2.3
	35.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.0	2.3	4.0	2.3
	37.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.9	2.3	3.9	2.3
	39.0	2.6	2.1	3.0	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.8	2.3	3.8	2.3

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## Capacity Tables

Indoor Unit Capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
45	10.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.9	3.3
	12.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.9	3.3
	14.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.9	3.3
	16.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.8	3.2
	18.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.8	3.3
	20.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.7	5.7	3.3
	21.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.3	3.7	5.7	3.3
	23.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.3	3.7	5.6	3.2
	25.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.2	3.3	5.5	3.2
	27.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.2	3.2	5.3	3.0
	29.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.1	3.2	5.3	3.0
	31.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.1	3.1	5.2	2.9
	33.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.0	3.1	5.2	2.9
	35.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.8	3.2	4.9	3.1	5.1	2.9
	37.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.8	3.2	4.8	3.1	4.9	2.8
	39.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.6	3.1	4.7	3.1	4.8	2.8
51	10.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	6.2	4.0	6.9	4.0
	12.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	6.2	4.0	6.7	3.8
	14.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	6.2	4.0	6.7	3.8
	16.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	6.2	4.0	6.6	3.8
	18.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	6.2	4.0	6.6	3.8
	20.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	6.2	4.0	6.4	3.8
	21.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	6.2	4.0	6.4	3.8
	23.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	6.2	3.9	6.4	3.8
	25.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	6.0	3.8	6.3	3.7
	27.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	6.0	3.8	6.3	3.7
	29.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	5.8	3.7	6.2	3.6
	31.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	5.8	3.7	6.1	3.6
	33.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.5	3.8	5.8	3.7	5.9	3.5
	35.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.3	3.6	5.7	3.6	5.7	3.5
	37.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.3	3.6	5.6	3.6	5.6	3.4
	39.0	3.6	3.1	4.4	3.5	4.7	3.8	5.1	3.8	5.3	3.6	5.5	3.5	5.5	3.3
71	10.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	8.4	4.9	9.2	4.9
	12.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	8.4	4.9	9.2	4.9
	14.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	8.4	4.9	9.1	4.9
	16.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	8.4	4.9	9.0	4.8
	18.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	8.4	4.9	8.7	4.6
	20.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	8.4	4.9	8.6	4.6
	21.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	8.4	4.9	8.5	4.5
	23.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	8.4	4.9	8.4	4.5
	25.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	8.4	4.9	8.3	4.5
	27.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	8.2	4.7	8.3	4.5
	29.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	8.1	4.7	8.2	4.4
	31.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	8.0	4.6	7.9	4.4
	33.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	7.8	4.6	7.9	4.3
	35.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.6	4.8	7.6	4.5	7.8	4.2
	37.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.5	4.8	7.5	4.5	7.7	4.2
	39.0	4.9	3.9	5.8	4.2	6.6	4.7	7.1	4.9	7.3	4.7	7.4	4.4	7.7	4.2

### Remarks:

1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capacities: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TC: Total Cooling Capacity  
SH: Sensible Heat Capacity



## 4-2. Heating capacity tables

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH kW	TH kW	TH kW	TH kW	TH kW	TH kW
22	-15.0	-14.7	1.64	1.64	1.63	1.63	1.62	1.62
	-13.0	-12.6	1.74	1.74	1.73	1.73	1.72	1.72
	-11.0	-10.5	1.82	1.82	1.81	1.81	1.80	1.80
	-10.0	-9.5	1.90	1.90	1.89	1.89	1.88	1.88
	-9.1	-8.5	1.95	1.95	1.94	1.94	1.93	1.93
	-7.6	-7.0	1.98	1.98	1.97	1.97	1.96	1.96
	-5.6	-5.0	2.05	2.05	2.04	2.04	2.03	2.03
	-3.7	-3.0	2.16	2.16	2.15	2.15	2.14	2.14
	-0.7	0.0	2.31	2.31	2.30	2.30	2.29	2.16
	2.2	3.0	2.44	2.44	2.40	2.35	2.30	2.16
	4.1	5.0	2.53	2.52	2.45	2.40	2.35	2.19
	6.0	7.0	2.65	2.60	2.50	2.43	2.37	2.25
	7.9	9.0	2.72	2.68	2.55	2.51	2.40	2.30
	9.8	11.0	2.79	2.76	2.65	2.62	2.45	2.35
28	-15.0	-14.7	2.03	2.03	2.02	2.02	2.01	2.01
	-13.0	-12.6	2.15	2.15	2.14	2.14	2.13	2.13
	-11.0	-10.5	2.25	2.25	2.24	2.24	2.23	2.23
	-10.0	-9.5	2.35	2.35	2.34	2.34	2.33	2.33
	-9.1	-8.5	2.41	2.41	2.40	2.40	2.39	2.39
	-7.6	-7.0	2.44	2.44	2.43	2.43	2.42	2.42
	-5.6	-5.0	2.54	2.54	2.53	2.53	2.52	2.52
	-3.7	-3.0	2.67	2.67	2.66	2.66	2.65	2.65
	-0.7	0.0	2.86	2.86	2.85	2.85	2.84	2.68
	2.2	3.0	3.02	3.02	3.01	3.01	2.93	2.68
	4.1	5.0	3.11	3.11	3.10	3.10	2.93	2.68
	6.0	7.0	3.21	3.21	3.20	3.10	2.93	2.68
	7.9	9.0	3.31	3.31	3.20	3.12	2.94	2.69
	9.8	11.0	3.40	3.39	3.24	3.15	2.95	2.69
36	-15.0	-14.7	2.53	2.53	2.52	2.52	2.51	2.51
	-13.0	-12.6	2.69	2.69	2.68	2.68	2.67	2.67
	-11.0	-10.5	2.81	2.81	2.80	2.80	2.79	2.79
	-10.0	-9.5	2.93	2.93	2.92	2.92	2.91	2.91
	-9.1	-8.5	3.01	3.01	3.00	3.00	2.99	2.99
	-7.6	-7.0	3.05	3.05	3.04	3.04	3.03	3.03
	-5.6	-5.0	3.17	3.17	3.16	3.16	3.15	3.15
	-3.7	-3.0	3.33	3.33	3.32	3.32	3.31	3.31
	-0.7	0.0	3.57	3.57	3.56	3.56	3.55	3.35
	2.2	3.0	3.78	3.78	3.76	3.76	3.67	3.35
	4.1	5.0	3.89	3.89	3.88	3.88	3.67	3.35
	6.0	7.0	4.01	4.01	4.00	3.88	3.68	3.36
	7.9	9.0	4.13	4.12	4.08	3.95	3.68	3.36
	9.8	11.0	4.25	4.24	4.16	4.01	3.72	3.36
45	-15.0	-14.7	3.16	3.16	3.15	3.15	3.14	3.14
	-13.0	-12.6	3.36	3.36	3.35	3.35	3.34	3.34
	-11.0	-10.5	3.52	3.52	3.51	3.51	3.50	3.50
	-10.0	-9.5	3.66	3.66	3.65	3.65	3.64	3.64
	-9.1	-8.5	3.76	3.76	3.75	3.75	3.74	3.74
	-7.6	-7.0	3.81	3.81	3.80	3.80	3.79	3.79
	-5.6	-5.0	3.96	3.96	3.95	3.95	3.94	3.94
	-3.7	-3.0	4.16	4.15	4.15	4.15	4.15	4.15
	-0.7	0.0	4.46	4.46	4.45	4.45	4.45	4.19
	2.2	3.0	4.71	4.71	4.70	4.70	4.59	4.19
	4.1	5.0	4.86	4.86	4.85	4.85	4.59	4.19
	6.0	7.0	5.01	5.00	5.00	4.85	4.60	4.20
	7.9	9.0	5.16	5.16	5.02	4.85	4.62	4.23
	9.8	11.0	5.31	5.31	5.05	4.87	4.68	4.26
	11.8	13.0	5.51	5.40	5.10	4.92	4.70	4.31
	13.7	15.0	5.66	5.41	5.15	4.95	4.75	4.35

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

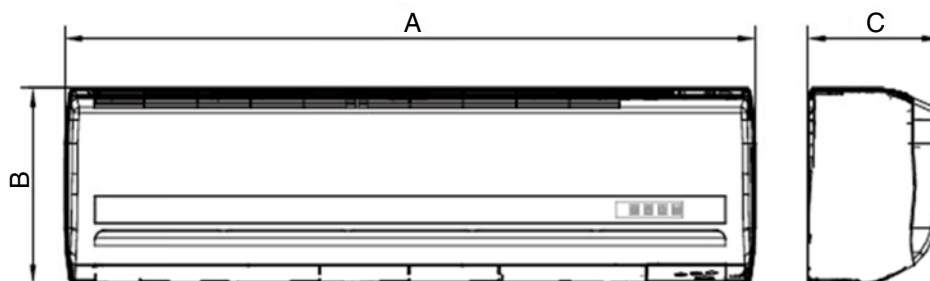
All Fresh Air Unit

Indoor Unit Capacity	Outdoor air temperature (°C)		Indoor air temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	kW	kW	kW	kW	kW	kW
51	-15.0	-14.7	3.39	3.39	3.38	3.38	3.37	3.37
	-13.0	-12.6	3.63	3.63	3.62	3.62	3.61	3.61
	-11.0	-10.5	3.81	3.81	3.80	3.80	3.79	3.79
	-10.0	-9.5	3.99	3.99	3.98	3.98	3.97	3.97
	-9.1	-8.5	4.11	4.11	4.10	4.10	4.09	4.09
	-7.6	-7.0	4.17	4.17	4.16	4.16	4.15	4.15
	-5.6	-5.0	4.35	4.35	4.34	4.34	4.33	4.33
	-3.7	-3.0	4.59	4.59	4.58	4.58	4.57	4.57
	-0.7	0.0	4.95	4.95	4.94	4.94	4.93	4.63
	2.2	3.0	5.25	5.25	5.24	5.24	5.23	4.63
	4.1	5.0	5.43	5.43	5.42	5.42	5.21	4.63
	6.0	7.0	5.61	5.61	5.60	5.42	5.21	4.64
	7.9	9.0	5.79	5.79	5.65	5.49	5.25	4.64
	9.8	11.0	5.97	5.97	5.69	5.53	5.28	4.64
	11.8	13.0	6.21	6.09	5.74	5.58	5.32	4.65
	13.7	15.0	6.39	6.09	5.82	5.60	5.35	4.65
71	-15.0	-14.7	5.05	5.05	5.10	5.00	5.00	5.03
	-13.0	-12.6	5.37	5.37	5.36	5.36	5.35	5.35
	-11.0	-10.5	5.61	5.61	5.60	5.60	5.59	5.59
	-10.0	-9.5	5.85	5.85	5.84	5.84	5.83	5.60
	-9.1	-8.5	6.01	6.01	6.00	6.00	5.99	5.99
	-7.6	-7.0	6.09	6.09	6.08	6.08	6.07	6.07
	-5.6	-5.0	6.33	6.33	6.32	6.32	6.31	6.31
	-3.7	-3.0	6.65	6.65	6.64	6.64	6.63	6.63
	-0.7	0.0	7.13	7.13	7.12	7.12	7.11	6.71
	2.2	3.0	7.53	7.53	7.52	7.52	7.20	6.71
	4.1	5.0	7.77	7.77	7.76	7.70	7.20	6.80
	6.0	7.0	8.10	8.10	8.00	7.70	7.30	6.85
	7.9	9.0	8.40	8.25	8.20	7.76	7.40	6.92
	9.8	11.0	8.49	8.40	8.30	7.85	7.48	6.98
	11.8	13.0	9.00	8.80	8.40	7.91	7.53	7.02
	13.7	15.0	9.05	8.90	8.50	8.05	7.62	7.12

## Remarks:

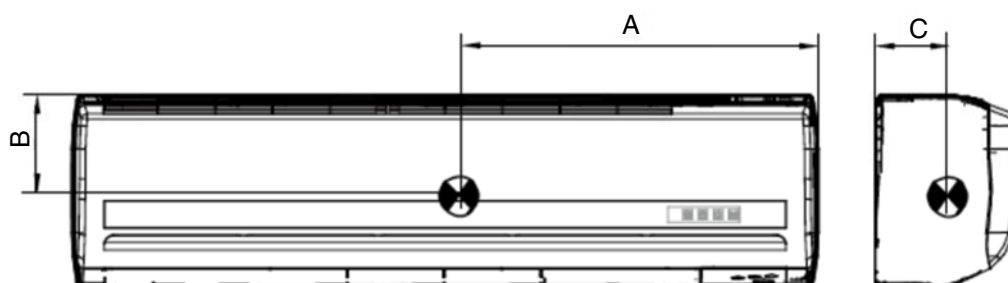
1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capacitys: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TH: Total heating capacity

## 5 Dimensions Drawings



Indoor Unit model	Dimension code	Body dimension		
		A	B	C
MWW022~045AMN		900	296	216
MWW051~071AMN		1080	304	221

## 6 Center of Gravity



Indoor Unit model	Dimension code	Dimension of gravity center		
		A	B	C
MWW022~045AMN		400	140	110
MWW051~071AMN		490	150	115

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

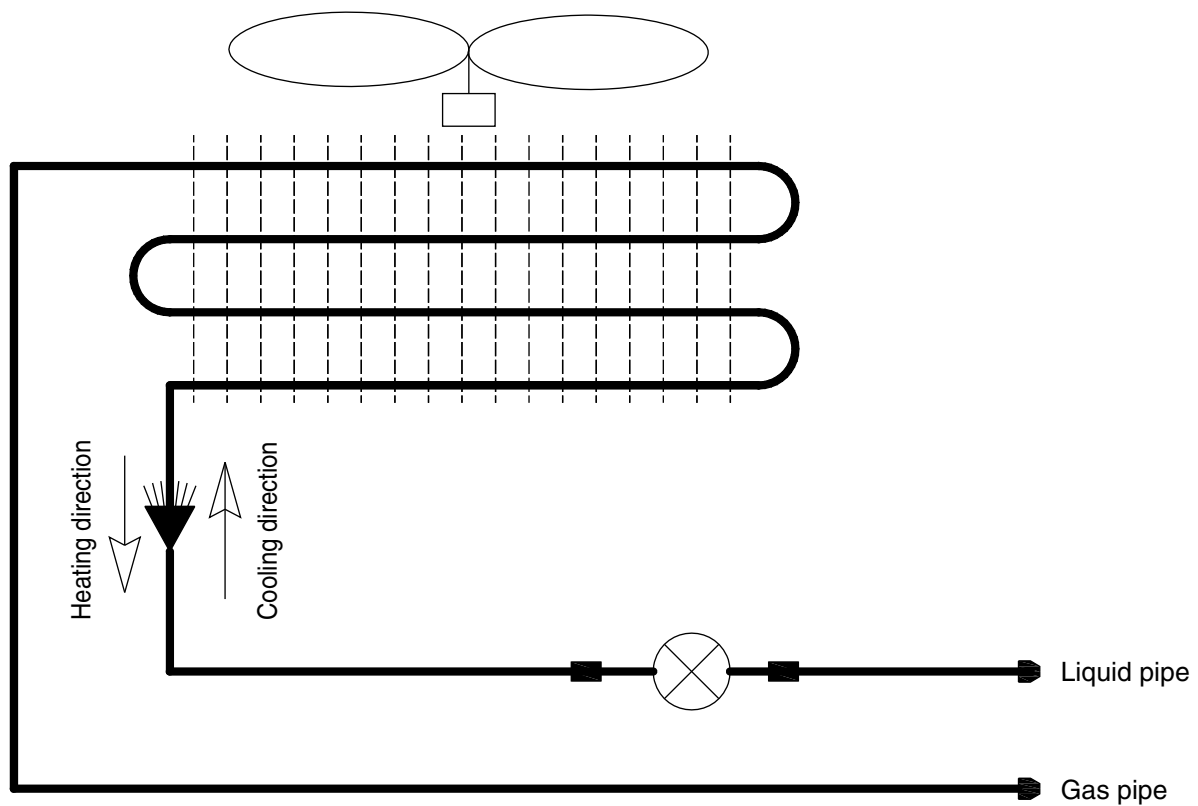
High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

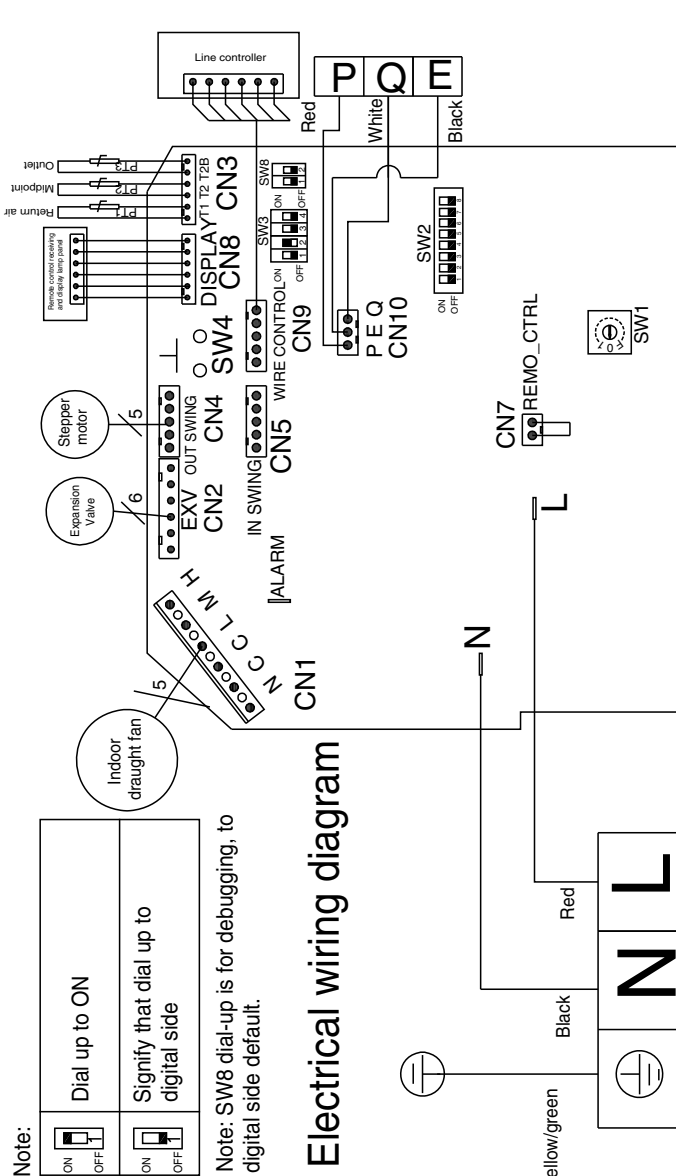
All Fresh Air Unit

## 7 Piping Diagram



Model	MWW022~028AMN	MWW036~051AMN	MWW071AMN
Liquid pipe	Φ6.35(flaring connection)		Φ9.52(flaring connection)
Gas pipe	Φ9.52(flaring connection)	Φ12.7(flaring connection)	Φ15.88(flaring connection)

## 8 Electrical Wiring Diagram



Note: If dial isn't stated, acquiesce in dialing up to digital side.

Factory settings	
SW3	ON
SW4	ON
SW5	ON
SW6	ON
SW7	ON
SW8	ON

The horsepower of indoor unit which has been set before delivery can be reset through dial switch SW1 (16 bit dial disk) on indoor board. The horsepower indoor unit includes types below:

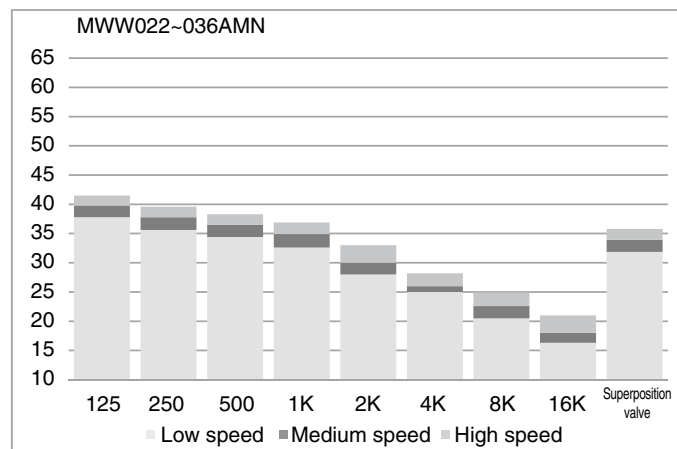
HP	0.8	1	1.2	1.7	2	2.5	3	3.2	4	5	6
Power	18/22	25/26/28/32/35/36/40/45/46/51/56/60/66/71/80/88/90/100/110/112/120/125/140/150/160									
Capacity dial-up	0	1	2	3	4	5	6	7	8	9	9

Indoor unit

- 1-way cassette Unit
- 2-way Cassette Unit
- 4-way Cassette Unit
- Slim Duct Unit
- Standard ESP Duct Unit
- Medium ESP Duct Unit
- High ESP Duct Unit
- Wall-mounted Unit
- Floor Ceiling Unit
- All Fresh Air Unit

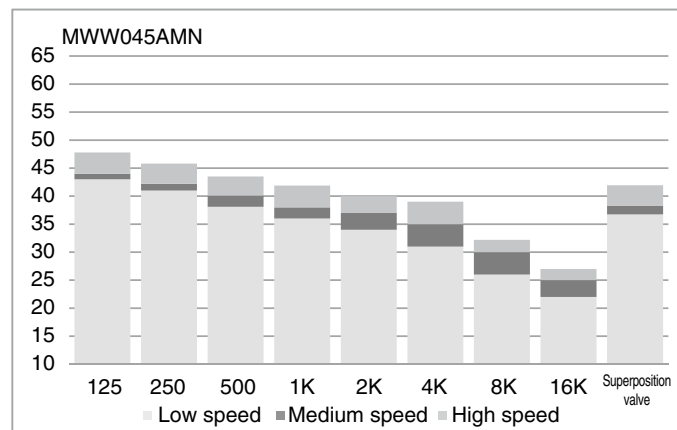
- Remark:
- This circuit is basically suitable for all the Indoor Units of this series: MWW022 ~ 071AMN.
  - Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings.
  - Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.

## 9 Sound Data



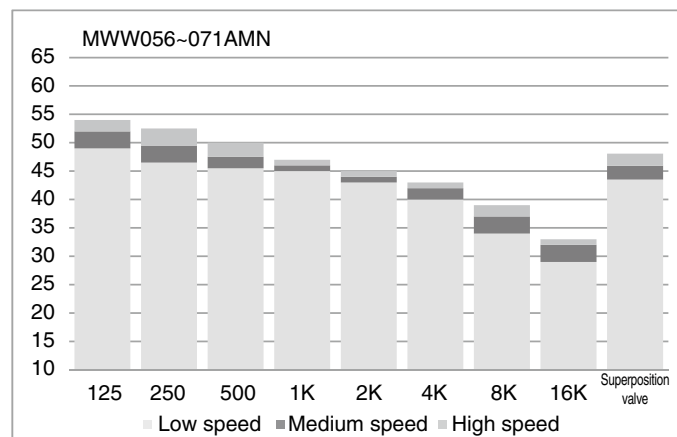
**Description:**

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Above model is the simple model, which omitted some code following the model, but this figure were applied to these models.



**Description:**

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Above model is the simple model, which omitted some code following the model, but this figure were applied to these models.



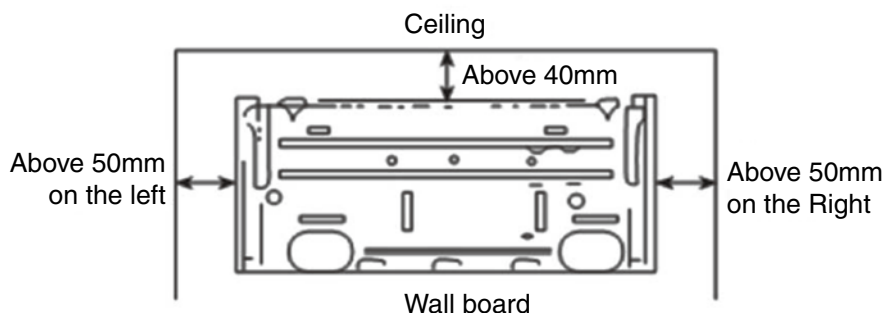
**Description:**

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Above model is the simple model, which omitted some code following the model, but this figure were applied to these models.

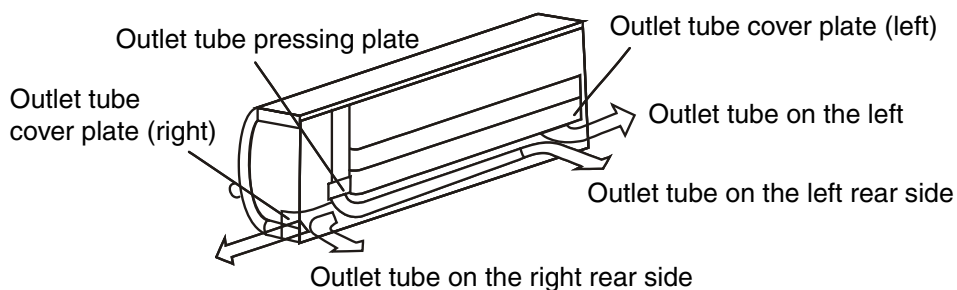


## 10 Installation

1. Installation space is shown below

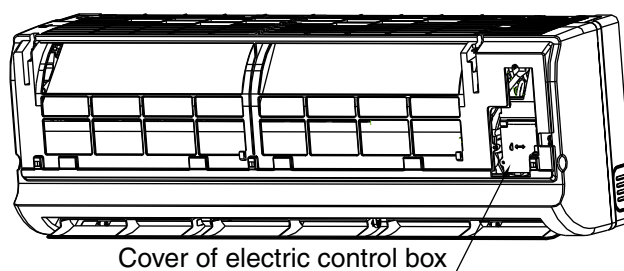


2. Pipeline trend method: for wall-mounted unit, there are four pipeline trend methods, as shown below

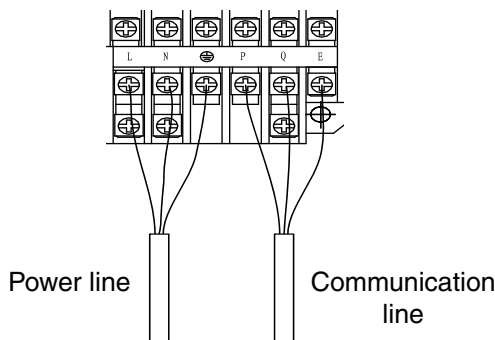


## 11 Electrical Box Connection

1. Lift the front panel of Indoor Unit, then remove the electrical control box cover as pointed by the arrows (in the picture, the front panel has been hidden)



2. Refer to the following electrical layout



Remark: Due to continuous product updates and progress, the actual objects may differ from the wiring diagram, it is subject to the actual goods without prior notice.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

All Fresh Air  
Unit

# Floor Ceiling Unit



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# 1 Technical Specifications

Indoor units Model				MWX045AMNNAA	MWX056AMNNAA	MWX071AMNNAA	MWX080AMNNAA	MWX112AMNNAA	
Specifications				MWX045AMNNBA	MWX056AMNNBA	MWX071AMNNBA	MWX080AMNNBA	MWX112AMNNBA	
				MWX045AMNNCA	MWX056AMNNCA	MWX071AMNNCA	MWX080AMNNCA	MWX112AMNNCA	
Cooling capacity			kW	4.5	5.6	7.1	8.0	11.2	
Heating capacity			kW	5.0	6.3	8.0	8.8	12.5	
Rated input power	Cooling	kW	0.06	0.06	0.15	0.15	0.26		
	Heating	kW	0.06	0.06	0.15	0.15	0.26		
Appearance		Color		Ivory					
Size	Unit	Length×Width×Height	mm	1245×680×240					1670×680×240
Weight	Unit		kg	36					51
Heat exchanger	Fin type			Hydrophilic					
Fans	Type			Centrifugal fan					
	Quantity			3					4
	Airflow	Cooling/Heating	High	m³/h	950	1300	2300		
			Middle	m³/h	850	1150	2100		
			Low	m³/h	750	1100	1900		
	Static pressure		Pa	0					
Motor	Quantity			1					2
	Rotate speed	Cooling/Heating	High	rpm	800	980	1310		
			Middle	rpm	650	880	1139		
			Low	rpm	550	780	1016		
	Power (high speed)		w	60	150	260			
	Drive mode			AC drive					
Noise	Cooling/Heating	High	dB(A)	46	48	52			
		Middle	dB(A)	42	44	49			
		Low	dB(A)	37	39	45			
Refrigerant	Type			R410A					
	Flow control			Electronic expansion valve					
Connecting pipe	Gas pipe	Connection method		Flaring connection					
		Pipe diameter	mm	Φ12.7	Φ15.88	Φ15.88			
	Liquid pipe	Connection method		Flaring connection					
		Pipe diameter	mm	Φ6.35	Φ9.52				
	Drain pipe	Size (OD)		DN25					
		Drain-up height	mm	0					
Air Filter				ABS filter grille					
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Above indoor unit capacity test conditions: Cooling 35°C DB/24°C WB (outdoor), 27°C DB/19°C WB (indoor); heating 7°C DB / 6°C WB (outdoor), 20°C DB/15°C WB (indoor); equivalent length of refrigerant piping is 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.					

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## 2 Electrical Data

Indoor unit model	Power supply					Running current	
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated current	Fusing current
MWX045AMNNAA MWX045AMNNBA MWX045AMNNCA	AC	50Hz	220V	-10%	+10%	0.3A	5A
MWX056AMNNAA MWX056AMNNBA MWX056AMNNCA						0.3A	5A
MWX071AMNNAA MWX071AMNNBA MWX071AMNNCA						0.7A	5A
MWX080AMNNAA MWX080AMNNBA MWX080AMNNCA						0.7A	5A
MWX112AMNNAA MWX112AMNNBA MWX112AMNNCA						1.2A	5A

Remark:

1. Fusing current refers to the motherboard fusing current, excluding electric heating current.

## 3 Accessories Details

Name	Quantity
Accessory bag 1	
Rat guard	1 pic
High-pressure single-joint thermal insulation pipe	1 pcs
Low-pressure single-joint thermal insulation pipe	1 pcs
Hexagonal head bolt	4 pcs
Spring washer	4 pcs
Flat pad	4 pcs
Fork shaped pre-insulated terminal	3 pcs
Round shaped pre-insulated terminal	6 pcs
Accessory bag 2	
Remote Control	1 pic
7 # battery	1 pair
Certificate	1 pcs
Self-tapping screws	2 pcs
Expansion rubber stopper	2 pcs
Instructions	1 pcs
Accessory bag 3	
Drainage assembly	1 set
Others	
mounting plate lifting left	1 pic
mounting plate lifting right	1 pic

Note:

1. Warranty card is put in the accessory bag of outdoor unit.

2. Due to continuous product updates and progress, the actual accessories included may vary, so it is subject to the actual condition without further notice.

## 4 Capacity Tables

### 4-1. Cooling capacity tables

Indoor unit capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH	TC	SH
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
45	10.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.2	6.0	3.3
	12.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.2	6.0	3.3
	14.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.2	5.9	3.3
	16.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.2	5.7	3.2
	18.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.2	5.8	3.3
	20.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.2	5.8	3.3
	21.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.2	5.7	3.3
	23.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.4	3.2	5.6	3.2
	25.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.3	3.2	5.5	3.2
	27.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.2	3.2	5.3	3.0
	29.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.2	3.2	5.3	3.0
	31.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.1	3.1	5.2	2.9
	33.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	5.0	3.1	5.2	2.9
	35.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	4.9	3.0	5.1	2.9
56	37.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.9	3.2	4.9	3.1	5.0	2.8
	39.0	3.2	2.6	3.8	2.8	4.2	3.1	4.5	3.2	4.7	3.1	4.8	3.1	4.9	2.8
	10.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.4	3.9
	12.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.3	3.8
	14.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.2	3.8
	16.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	7.1	3.7
	18.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.9	3.7
	20.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.8	3.6
	21.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.7	3.6
	23.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.7	3.5
	25.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.7	3.9	6.6	3.5
	27.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.5	3.8	6.5	3.5
	29.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.4	3.8	6.5	3.6
	31.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.3	3.7	6.3	3.4
71	33.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.3	3.7	6.3	3.4
	35.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.1	3.6	6.1	3.4
	37.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	6.0	3.8	6.0	3.5	6.1	3.4
	39.0	4.0	3.0	4.7	3.3	5.3	3.6	5.6	3.7	5.8	3.7	5.9	3.5	6.1	3.4
	10.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	9.3	5.0
	12.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	9.2	4.9
	14.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	9.1	4.9
	16.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	9.0	4.8
	18.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.8	4.7
	20.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.6	4.6
	21.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.5	4.5
	23.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.4	4.5
	25.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	8.5	4.9	8.3	4.4
	27.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	8.2	4.7	8.3	4.5
	29.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	8.1	4.7	8.2	4.5
	31.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	8.0	4.6	7.9	4.3
	33.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	7.9	4.6	7.9	4.3
	35.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.6	4.8	7.7	4.5	7.8	4.2
	37.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.6	4.5	7.7	4.3
	39.0	5.0	3.9	5.9	4.3	6.7	4.7	7.1	4.9	7.3	4.7	7.5	4.4	7.7	4.3

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## Capacity Tables

Indoor unit capacity	Outdoor air temperature (°CDB)	Indoor air temperature (°CWB / DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW	TC kW	SH kW
80	10.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	10.5	5.8
	12.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	10.3	5.7
	14.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	10.3	5.7
	16.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	10.1	5.6
	18.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.9	5.6
	20.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.7	5.5
	21.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.5	5.4
	23.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.5	5.3
	25.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.5	5.9	9.4	5.3
	27.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.2	5.7	9.3	5.2
	29.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.1	5.6	9.2	5.2
	31.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	9.0	5.5	8.9	5.1
	33.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.7	5.8	8.9	5.5	8.9	5.1
	35.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.6	5.8	8.7	5.3	8.7	5.1
	37.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.3	5.6	8.5	5.2	8.7	5.1
	39.0	5.6	4.7	6.5	5.1	7.4	5.6	8.0	5.7	8.3	5.5	8.4	5.2	8.7	5.1
112	10.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	15.6	9.0
	12.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	14.5	8.4
	14.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	14.3	8.2
	16.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	14.2	8.2
	18.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	14.1	8.1
	20.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	14.0	8.1
	21.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	13.4	8.3	13.9	8.0
	23.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	13.2	8.1	13.8	7.9
	25.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	13.1	8.1	13.7	7.9
	27.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	13.0	8.0	13.5	7.8
	29.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	12.9	7.9	13.4	7.9
	31.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	12.8	7.8	12.9	7.5
	33.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	12.0	8.1	12.6	7.8	12.6	7.4
	35.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	11.9	8.0	12.5	7.7	12.4	7.3
	37.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	11.7	7.9	12.4	7.6	12.2	7.1
	39.0	7.8	6.4	9.2	5.1	10.5	7.7	11.2	7.8	11.7	7.9	12.4	7.6	12.2	7.1

### Remarks:

1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capacities: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TC: Total Cooling Capacity  
SH: Sensible Heat Capacity



## 4-2. Heating capacity tables

Indoor unit capacity	Outdoor air temperature (°C)		Indoor air temperature (°CDB)					
			16	18	20	21	22	24
	WB	DB	TH kW	TH kW	TH kW	TH kW	TH kW	TH kW
45	-15.0	-14.7	3.16	3.16	3.15	3.15	3.14	3.14
	-13.0	-12.6	3.36	3.36	3.35	3.35	3.34	3.34
	-11.0	-10.5	3.52	3.52	3.51	3.51	3.50	3.50
	-10.0	-9.5	3.66	3.66	3.65	3.65	3.64	3.64
	-9.1	-8.5	3.76	3.76	3.75	3.75	3.74	3.74
	-7.6	-7.0	3.81	3.81	3.80	3.80	3.79	3.79
	-5.6	-5.0	3.96	3.96	3.95	3.95	3.94	3.94
	-3.7	-3.0	4.16	4.15	4.15	4.15	4.15	4.15
	-0.7	0.0	4.46	4.46	4.45	4.45	4.45	4.19
	2.2	3.0	4.71	4.71	4.70	4.70	4.59	4.19
	4.1	5.0	4.86	4.86	4.85	4.85	4.59	4.19
	6.0	7.0	5.01	5.00	5.00	4.86	4.60	4.20
	7.9	9.0	5.16	5.16	5.02	4.90	4.61	4.21
	9.8	11.0	5.31	5.31	5.08	4.94	4.62	4.22
56	11.8	13.0	5.51	5.40	5.13	4.99	4.64	4.23
	13.7	15.0	5.66	5.41	5.19	5.05	4.65	4.23
	-15.0	-14.7	3.98	3.98	3.97	3.97	3.96	3.96
	-13.0	-12.6	4.23	4.23	4.22	4.22	4.21	4.21
	-11.0	-10.5	4.42	4.42	4.41	4.41	4.40	4.40
	-10.0	-9.5	4.61	4.61	4.60	4.60	4.59	4.59
	-9.1	-8.5	4.74	4.74	4.73	4.73	4.72	4.72
	-7.6	-7.0	4.80	4.80	4.79	4.79	4.78	4.78
	-5.6	-5.0	4.99	4.99	4.98	4.98	4.97	4.97
	-3.7	-3.0	5.24	5.24	5.23	5.23	5.22	5.22
	-0.7	0.0	5.62	5.62	5.61	5.61	5.60	5.28
	2.2	3.0	5.93	5.93	5.92	5.92	5.79	5.28
	4.1	5.0	6.12	6.12	6.11	6.11	5.79	5.28
	6.0	7.0	6.31	6.31	6.30	6.19	5.80	5.29
71	7.9	9.0	6.50	6.49	6.33	6.23	5.81	5.30
	9.8	11.0	6.69	6.65	6.38	6.26	5.83	5.31
	11.8	13.0	6.94	6.81	6.42	6.30	5.84	5.32
	13.7	15.0	7.13	6.82	6.49	6.34	5.85	5.33
	-15.0	-14.7	5.05	5.05	5.04	5.04	5.03	5.03
	-13.0	-12.6	5.37	5.37	5.36	5.36	5.35	5.35
	-11.0	-10.5	5.61	5.61	5.60	5.60	5.59	5.59
	-10.0	-9.5	5.85	5.85	5.84	5.84	5.83	5.83
	-9.1	-8.5	6.01	6.01	6.00	6.00	5.99	5.99
	-7.6	-7.0	6.09	6.09	6.08	6.08	6.07	6.07
	-5.6	-5.0	6.33	6.33	6.32	6.32	6.31	6.31
	-3.7	-3.0	6.65	6.65	6.64	6.64	6.63	6.63
	-0.7	0.0	7.13	7.13	7.12	7.12	7.11	6.71
	2.2	3.0	7.53	7.53	7.52	7.52	7.35	6.71
80	4.1	5.0	7.77	7.77	7.76	7.76	7.35	6.71
	6.0	7.0	8.01	8.01	8.00	7.79	7.35	6.71
	7.9	9.0	8.25	8.25	8.06	7.83	7.36	6.72
	9.8	11.0	8.49	8.49	8.10	7.89	7.37	6.73
	11.8	13.0	8.81	8.65	8.18	7.92	7.38	6.73
	13.7	15.0	9.05	8.65	8.24	7.95	7.38	6.75
	-15.0	-14.7	5.48	5.48	5.47	5.47	5.46	5.46
	-13.0	-12.6	5.84	5.84	5.83	5.83	5.82	5.82
	-11.0	-10.5	6.11	6.11	6.10	6.10	6.09	6.09
	-10.0	-9.5	6.38	6.38	6.37	6.37	6.36	6.36
	-9.1	-8.5	6.56	6.56	6.55	6.55	6.54	6.54
	-7.6	-7.0	6.65	6.65	6.64	6.64	6.63	6.63
	-5.6	-5.0	6.92	6.92	6.91	6.91	6.90	6.90
	-3.7	-3.0	7.28	7.28	7.27	7.27	7.26	7.26
	-0.7	0.0	7.82	7.82	7.81	7.81	7.80	7.35
	2.2	3.0	8.27	8.27	8.26	8.26	8.07	7.35
	4.1	5.0	8.54	8.54	8.53	8.53	8.07	7.35
	6.0	7.0	8.81	8.81	8.80	8.54	8.08	7.35
	7.9	9.0	9.08	9.08	8.85	8.56	8.09	7.36
	9.8	11.0	9.36	9.36	8.94	8.59	8.10	7.36
	11.8	13.0	9.71	9.53	8.99	8.63	8.12	7.37
	13.7	15.0	9.98	9.53	9.04	8.69	8.12	7.38

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

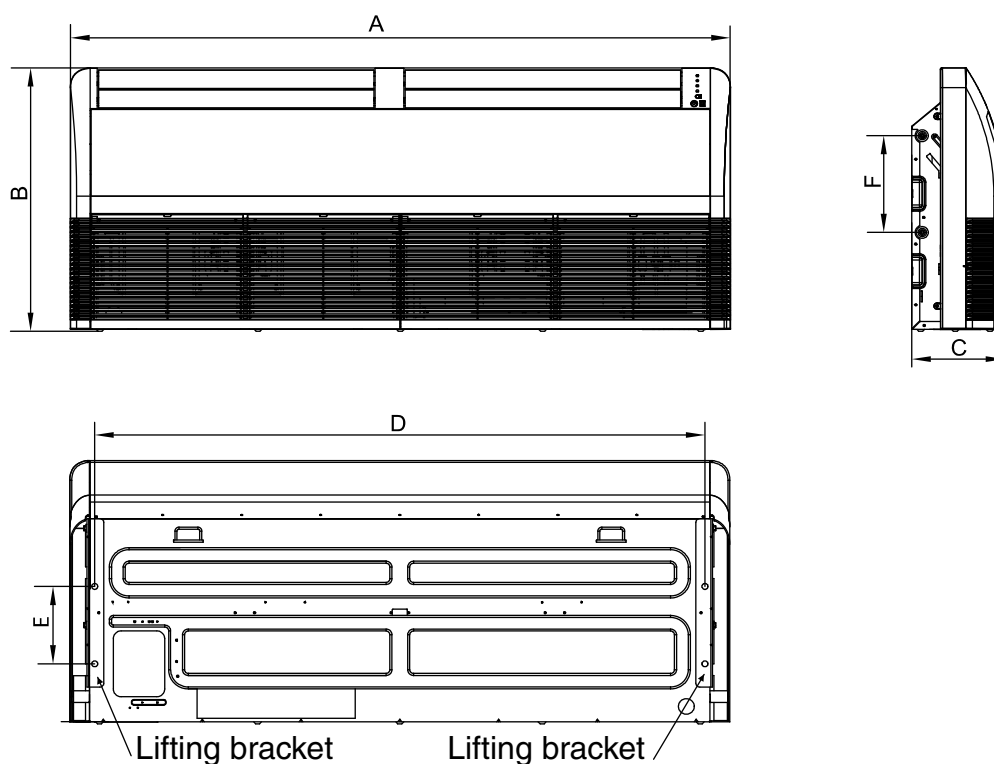
## Capacity Tables

Indoor unit capacity	Outdoor air temperature (°C)		Indoor air temperature (°CDB)					
			16	18	20	21	22	24
			TH	TH	TH	TH	TH	TH
	WB	DB	kW	kW	kW	kW	kW	kW
112	-15.0	-14.7	7.90	7.89	7.88	7.88	7.87	7.87
	-13.0	-12.6	8.41	8.39	8.38	8.38	8.37	8.37
	-11.0	-10.5	8.79	8.76	8.75	8.75	8.74	8.74
	-10.0	-9.5	9.16	9.14	9.13	9.13	9.12	9.12
	-9.1	-8.5	9.42	9.39	9.38	9.38	9.37	9.37
	-7.6	-7.0	9.53	9.51	9.50	9.50	9.49	9.49
	-5.6	-5.0	9.92	9.89	9.88	9.88	9.87	9.87
	-3.7	-3.0	10.43	10.39	10.38	10.38	10.37	10.37
	-0.7	0.0	11.16	11.14	11.13	11.13	11.12	10.49
	2.2	3.0	12.79	12.76	12.75	12.75	11.49	10.49
	4.1	5.0	12.16	12.14	12.13	12.13	11.49	10.49
	6.0	7.0	12.53	12.51	12.50	12.18	11.50	10.50
	7.9	9.0	12.91	12.89	12.56	12.23	11.51	10.51
	9.8	11.0	13.28	13.26	12.63	12.27	11.53	10.58
	11.8	13.0	13.53	13.51	12.69	12.32	11.55	10.62
	13.7	15.0	13.53	13.51	12.75	12.36	11.56	10.65

Remarks:

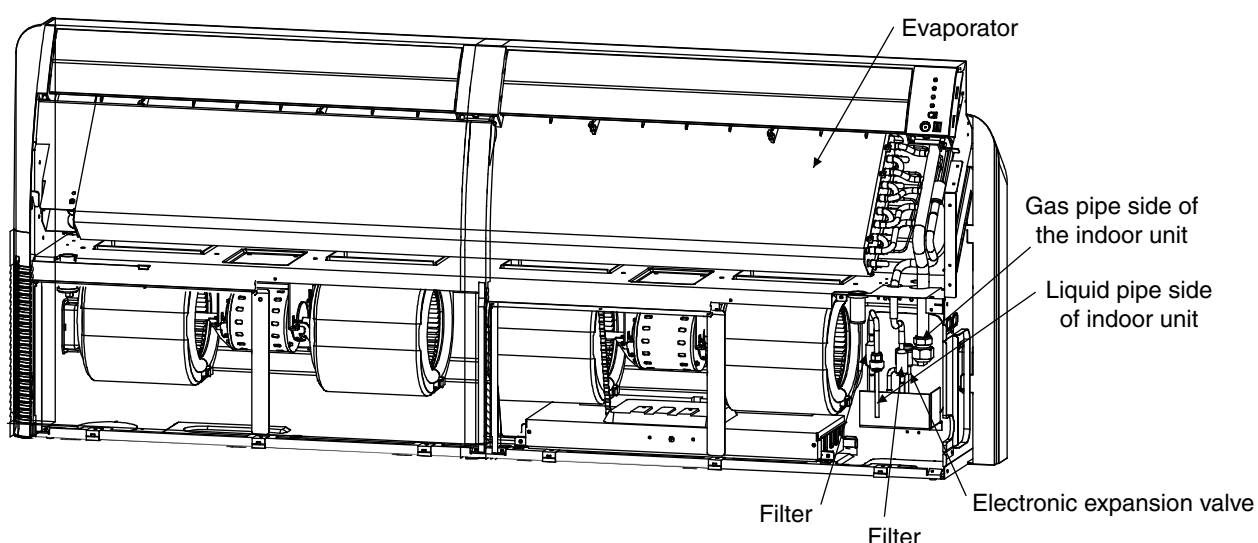
1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capacities: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TH: Total heating capacity

## 5 Dimensions Drawings



Indoor Unit model	Body dimensions (mm)			Mounting dimensions (mm)		
	A	B	C	D	E	F
MWX045~080AMN	1245	680	240	1119	200	250
MWX112AMN	1670	680	240	1544	200	250

## 6 Pipe Connection



Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

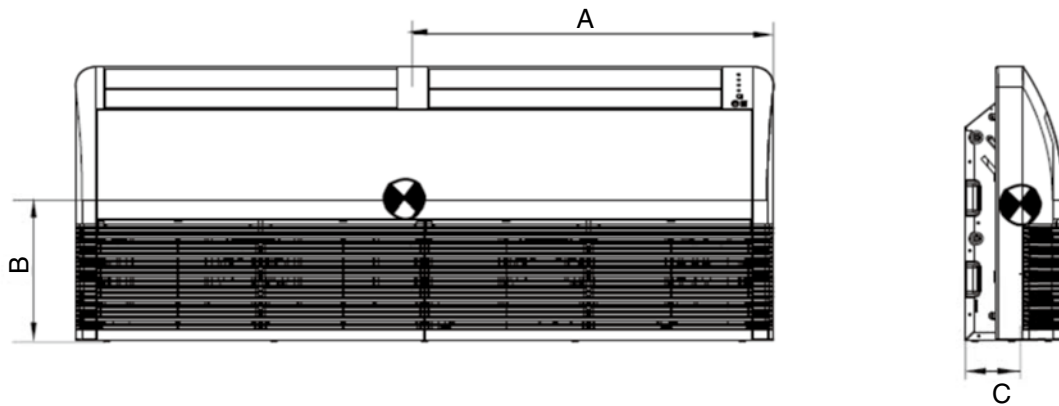
High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

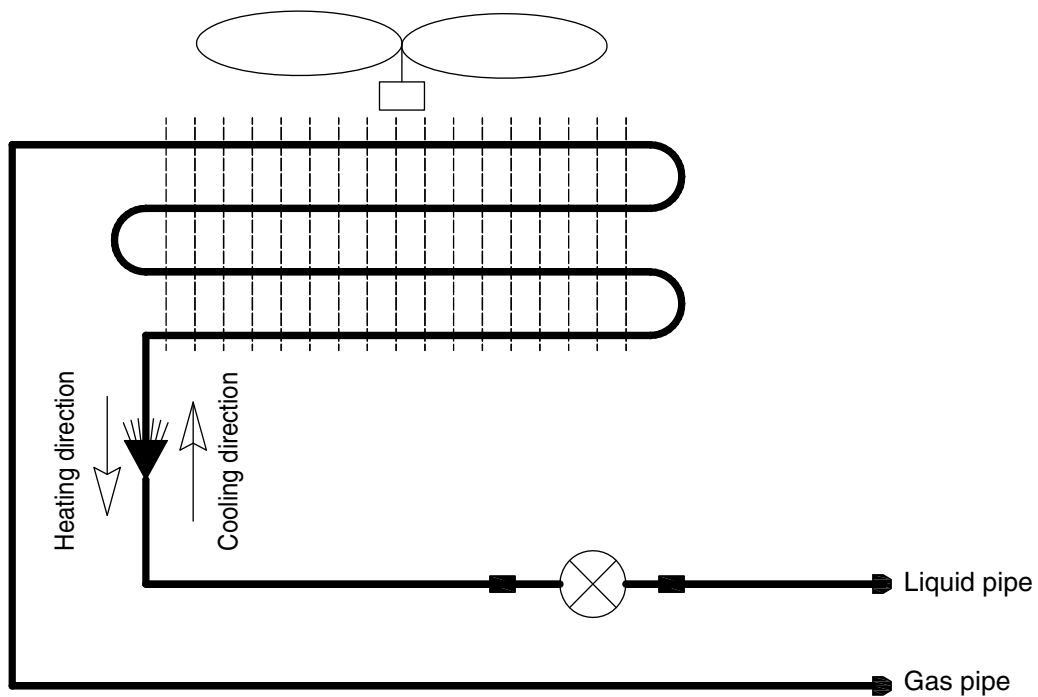
All Fresh Air Unit

## 7 Center of Gravity



Indoor Unit model	Dimension code	Gravity center dimensions (mm)		
		A	B	C
MWX045~080AMN		622	290	120
MWX112AMN		835	290	120

## 8 Piping Diagram



Indoor Unit model	Dimension code	Liquid pipe (Flaring connection / mm)	Gas pipe (Flaring connection / mm)
MWX045~056AMN		Φ6.35	Φ12.7
MWX071~080AMN		Φ9.52	Φ15.88
MWX112AMN		Φ9.52	Φ15.88

## 9 Electrical Wiring Diagram

Heating stop the fan time to chooset
SW2 NO.7&8
Factory default
4 Minute
8 Minute
12 Minute
16 Minute

Anti-cold wind off the fan temperature selection bit
SW2 NO.5&6
Factory default
15°C
20°C
24°C
26°C

Heating temperature compensation temperature value select bits
SW2 NO.3&4
Factory default
6°C
2°C
4°C
8°C

According to the contract custom power lost memory/functions
SW3
NO.1
power-down memory
No power-down memory

Mode Select bits
SW3
NO.4
Automatic Addressing mode (Factory default)
Test mode (to allow clear address)

Note: SW8 dial code used for debugging, the default number allocated to the end

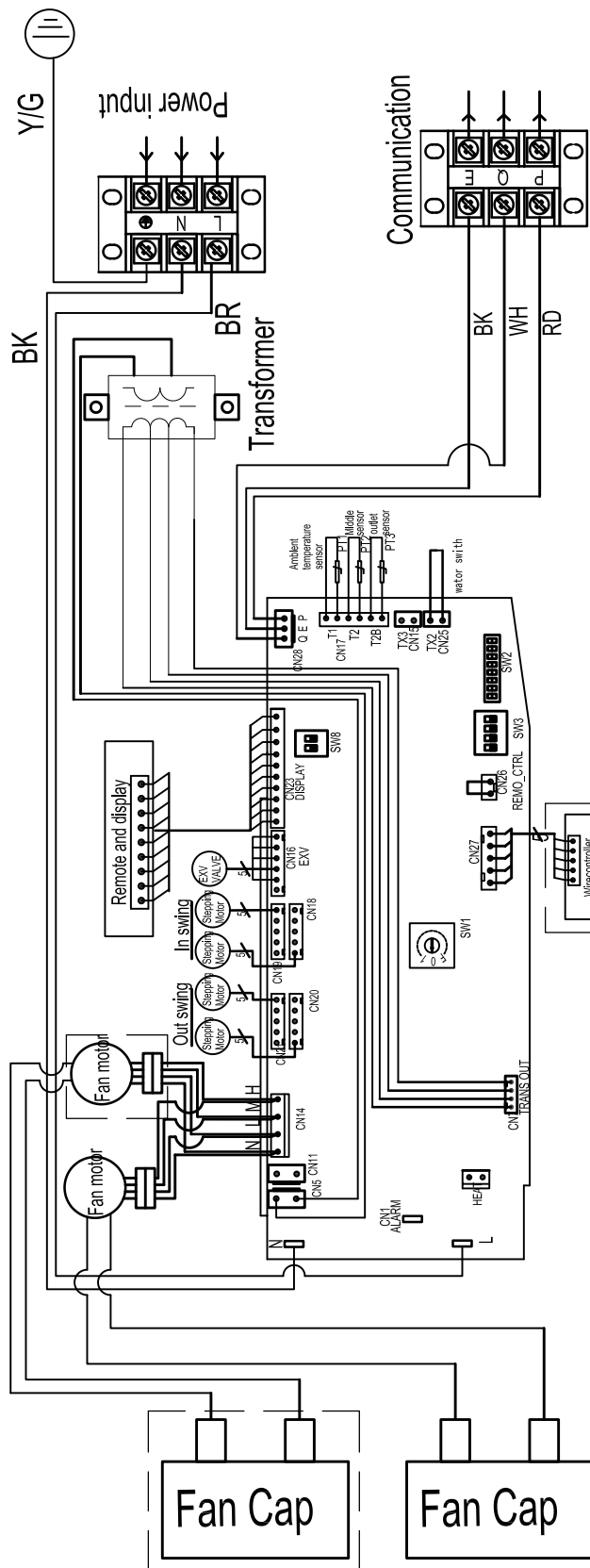
Note 1: No instructions to dial the code, Dial the number to.

Note 2: The dotted line in the box and a different model according to whether one or two fan motor, or whether have the wirecontroller.

The power (PH) of indoor units can be set through DIP switch SW1 (16-bit disc DIP) on the indoor control panel before delivery, the detailed information is as follows:

HP	0.8	1	1.2	1.7	2	2.5	3	3.2	4	5	6
Power	19/22	25/26/28	32/35/36	40/45/46	51/56	60/66/71	80	88/90	100/110/112	120/125/140	150/160
Dial code	0	1	2	3	4	5	6	7	8	9	9

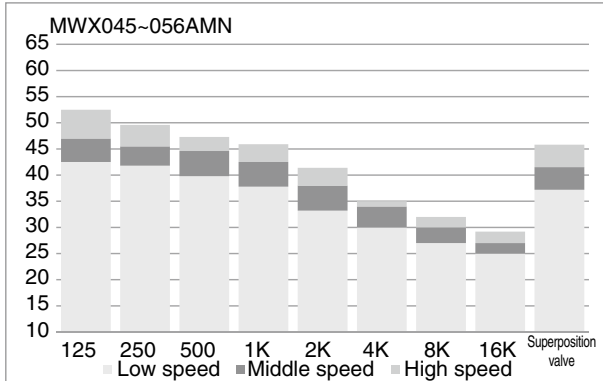
### Electrical wiring diagram



Indoor unit

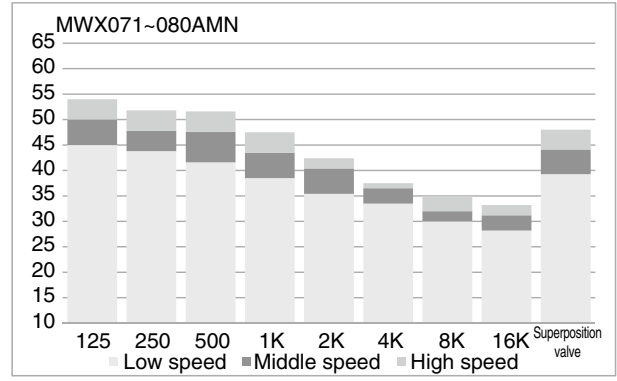
1-way cassette Unit  
2-way Cassette Unit  
4-way Cassette Unit  
Slim Duct Unit  
Standard ESP Duct Unit  
Medium ESP Duct Unit  
High ESP Duct Unit  
Wall-mounted Unit  
Floor Ceiling Unit  
All Fresh Air Unit

## 10 Sound Data



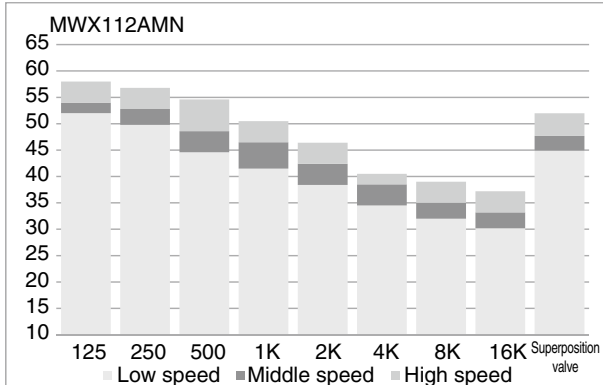
**Description:**

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



**Description:**

1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



**Description:**

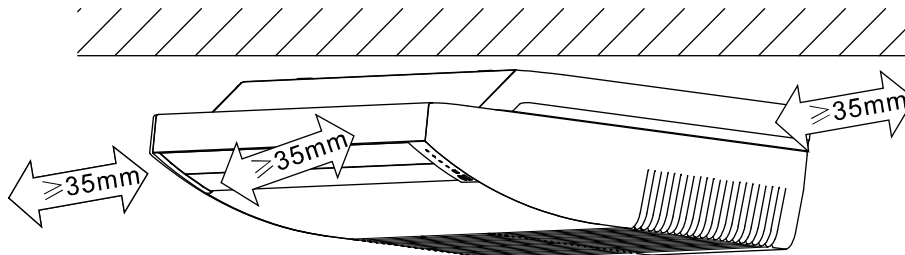
1. Noise measured at the actual value measured in the semi-anechoic chamber.
2. Noise measurement standard as per GB/T 18837-2015.
3. Model of indoor unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



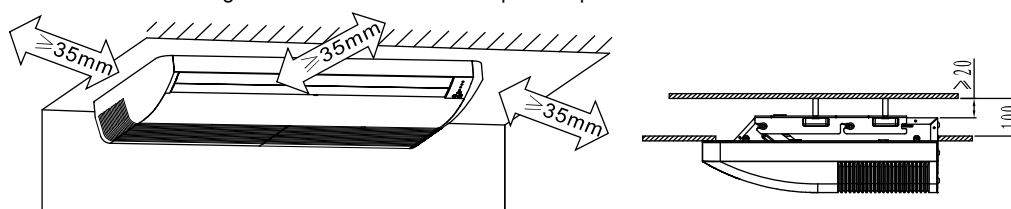
## 11 Installation

There are three ways of floor ceiling unit installation, namely lifting, cassette fitting and seating mounting.

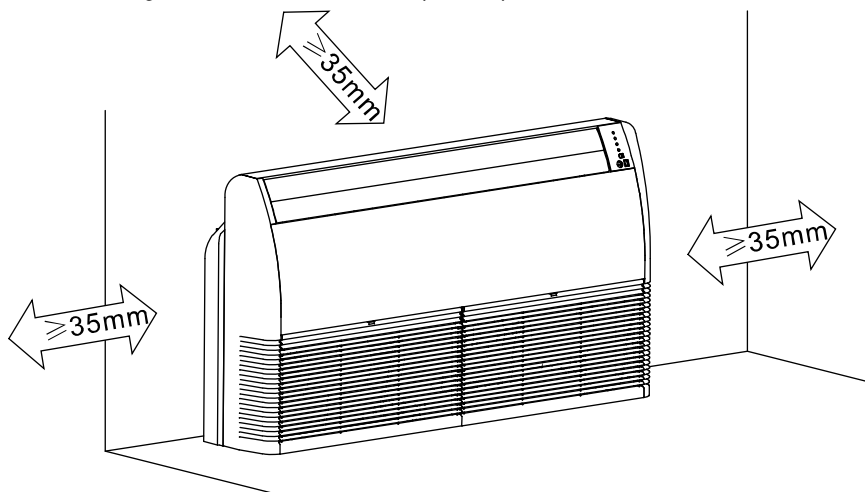
### 1. Floor ceiling unit hoisting schematic and installation space requirements



### 2. Floor ceiling unit embedded mounting schematic and installation space requirements



### 3. Floor ceiling unit embedded mounting schematic and installation space requirements



Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

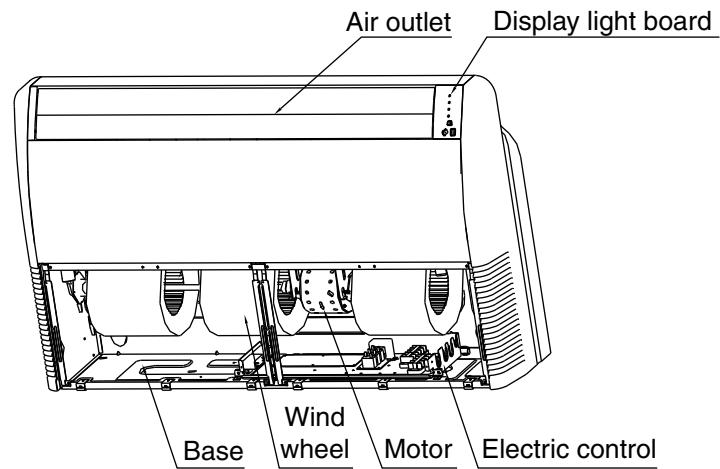
Wall-mounted  
Unit

Floor Ceiling  
Unit

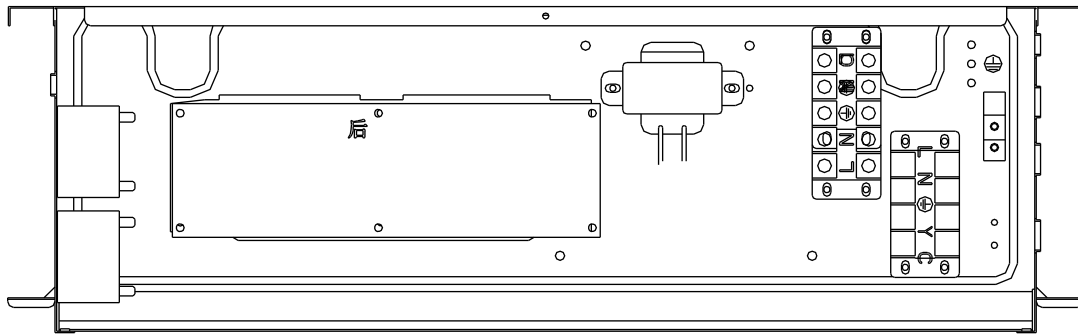
All Fresh Air  
Unit

## 12 Electrical Box Connection

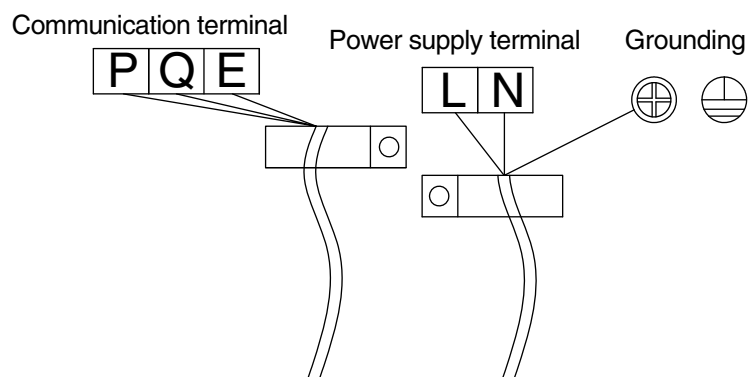
1. Remove the return air grill and open the electronic control box cover



2. Refer to the following electrical layout



3. As shown below, connect the power line and the indoor and outdoor communication lines respectively



Remark: Due to continuous product updates and progress, the actual objects may differ from the wiring diagram, it is subject to the actual goods without prior notice.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

All Fresh Air  
Unit

# All Fresh Air Unit



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# 1 Technical Specifications

## 1-1. Technical specifications

Indoor units Model				MWF140AMNNAA MWF140AMNNBA MWF140AMNNCA	MWF224AMNNAA MWF224AMNNBA MWF224AMNNCA	MWF280AMNNAA MWF280AMNNBA MWF280AMNNCA	MWF450ADNNAACRNA	MWF560ADNNAACRNA	
Specification Parameter Table									
Cooling capacity			kW	14.0	22.4	28	45	56	
Heating capacity			kW	9.0	16.0	20	31.4	39	
Rated input power	Cooling	kW	0.45	1.2	1.2	1.2	1300	2000	
	Heating	kW	0.45	1.2	1.2	1.2	1300	2000	
Appearance	Material			Galvanized steel sheet with insulation materials					
Size	Unit	Lengthx WidthxHeight	mm	1190×620×370	1465×811×448		2165×916×676		
Weight	Unit		kg	47	100		222		
Heat exchanger	Fin type			Hydrophilic					
Fans	Type			Centrifugal fan					
	Quantity			2					
	Airflow	Cooling/ Heating	High	m³/h	1400	2000	2800	4000	6000
			Middle	m³/h	1200	1700	2400	\	\
			Low	m³/h	1000	1400	2000	\	\
	Static pressure		Pa	196	200	220	300	300	
Motor	Quantity			1	2		1		
	Rotate speed	Cooling/ Heating	High	rpm	1050	1050		1430	
			Middle	rpm	830	830		\	
			Low	rpm	720	720		\	
	Power (high speed)		w	450	1200		1300	2000	
	Drive mode			AC drive					
Noise	Cooling/ Heating	High	dBA	48	48	52	58	62	
		Middle	dBA	46	46	49	\		
		Low	dBA	42	42	45	\		
Refrigerant	Type			R410A					
	Flow control			Electronic expansion valve					
Connecting pipe	Gas pipe	Connection method		Flaring connection	Brazed connection				
		Pipe diameter	mm	Φ15.88	Φ22.2		Φ28.6		
	Liquid pipe	Connection method		Flaring connection					
		Pipe diameter	mm	Φ9.52	Φ12.7		Φ15.88		
	Drain pipe	Size (OD)		DN25	DN30	DN30	DN25		
		Drain-up height	mm						
Air Filter				--					
Remarks				1. This unit design and executive standard GB/T 18837-2015. 2. Capacity test conditions of the above indoor unit: Cooling 33℃ DB/28℃ WB (outdoor and indoor); heating 0℃ DB/-2.9℃ WB (outdoor and indoor); refrigerant piping equivalent length is of 5 meters; falling is 0 m. 3. Due to the system optimization reasons of this product, the data will be changed without notice, the unit parameters are subject to the factory nameplate.					

Indoor unit  
1-way cassette Unit  
2-way Cassette Unit  
4-way Cassette Unit  
Slim Duct Unit  
Standard ESP Duct Unit  
Medium ESP Duct Unit  
High ESP Duct Unit  
Wall-mounted Unit  
Floor Ceiling Unit  
All Fresh Air Unit

## 1-2. Fresh air unit combination table

No.	Outdoor unit	Fresh air indoor unit combination
1	TMR080ADA(B)	MWF140, MWF224, MWF280
2	TMR100ADA(B)	MWF140, MWF224, MWF280
3	TMR120ADA(B)	MWF140, MWF224, MWF280, MWF140+MWF140, MWF140+MWF224
4	TMR140ADA(B)	MWF140, MWF224, MWF280, MWF140+MWF140, MWF140+MWF224, MWF140+MWF280
5	TMR160ADA(B)	MWF140, MWF224, MWF280, MWF140+MWF140, MWF140+MWF224, MWF140+MWF280, MWF224+MWF224, MWF224+MWF280, MWF140+MWF140+MWF140
6	TMR100ADA(B)+TMR100ADA(B)	MWF560

## 2 Electrical Data

Indoor Unit model	Power supply					Running current			
	Type	Frequency	Voltage	Minimum voltage	Maximum voltage	Rated current	Fusing current		
MWF140AMNNAA MWF140AMNNBA MWF140AMNNCA	AC	50Hz	220V	-10%	+10%	2.1A	5A		
MWF224AMNNAA MWF224AMNNBA MWF224AMNNCA						7.8A	10A		
MWF280AMNNAA MWF280AMNNBA MWF280AMNNCA							10A		
MWD450ADHNAA** MWD560ADHNAA**			380V			2.2A	5A		
						3.4A			

Remark:

1. Fusing current refers to the motherboard fusing current, excluding electric heating current.

## 3 Accessories Details

Accessory bag 1	
Name	Quantity
High-pressure single-joint thermal insulation pipe	1 pcs
Low-pressure single-joint thermal insulation pipe	1 pcs
ribbon	12 pcs
Fork shaped pre-insulated terminal	3 pcs
Round shaped pre-insulated terminal	6 pcs
Accessory bag 2	
Wired controller	1 pcs
Linear controller connection line	1 pcs
Certificate	1 pcs
Linear controller warning identification	1 pcs
Instructions	1 pcs
Accessory bag 3	
Tube connection assembly 1	1 set
Tube connection assembly 2	1 set

Note:

1. Warranty card is put in the accessory bag of outdoor unit.
2. Due to continuous product updates and progress, the actual accessories included may vary, so it is subject to the actual condition without further notice.



## 4 Capacity Tables

### 4-1. Cooling capacity tables

Model: MWF140AMN								
Outdoor air temperature	°C, WB							
°C, DB	15.0	17.0	20.0	23.0	26.0	28.0	30.0	32.0
Cooling capacity								
20.0	12.9							
22.0	12.3	12.8	13.9					
25.0	11.7	12.3	13.6	14.3				
27.0		11.8	13.3	13.9				
29.0			12.8	13.6	13.9			
31.0			12.3	13.3	13.7	14.4		
33.0			11.8	12.9	13.5	14.0	15.2	
35.0						13.4	14.8	16.3

Model: MWF224AMN								
Outdoor air temperature	°C, WB							
°C, DB	15.0	17.0	20.0	23.0	26.0	28.0	30.0	32.0
Cooling capacity								
20.0	20.6							
22.0	20.2	21.4	21.9					
25.0	19.6	20.9	21.6	21.9				
27.0		20.6	21.3	21.5				
29.0			19.9	21.2	22.4			
31.0			19.6	20.8	22.0	22.9		
33.0			19.3	20.5	21.6	22.4	23.8	
35.0						21.8	23.4	25.6

Model: MWF280AMN								
Outdoor air temperature	°C, WB							
°C, DB	15.0	17.0	20.0	23.0	26.0	28.0	30.0	32.0
Cooling capacity								
20.0	26.0							
22.0	24.2	24.8	26.3					
25.0	23.0	24.5	26.0	27.1				
27.0		24.2	25.6	26.7				
29.0			25.0	26.3	27.4			
31.0			24.7	25.9	27.0	28.6		
33.0			24.4	25.6	26.6	28.0	29.7	
35.0						27.4	29.0	30.6

Remarks:

1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capacities: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TC: Total Cooling Capacity  
SH: Sensible Heat Capacity

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit

## Capacity Tables

Model: MWF450ADNN								
Outdoor air temperature	°C,WB							
°C,DB	15.0	17.0	20.0	23.0	26.0	28.0	30.0	32.0
Cooling capacity								
20.0	41.2							
22.0	40.4	42.8	43.8					
25.0	39.2	41.8	43.2	43.8				
27.0		41.2	42.6	43.0				
29.0			39.8	42.4	44.8			
31.0			39.2	41.6	44.0	44.8		
33.0			38.6	41.0	43.2	44.0	47.6	
35.0						43.2	46.8	51.2

Model: MWF560ADNN								
Outdoor air temperature	°C,WB							
°C,DB	15.0	17.0	20.0	23.0	26.0	28.0	30.0	32.0
Cooling capacity								
20.0	52.0							
22.0	48.4	49.6	51.6					
25.0	46.0	49.0	52.0	54.2				
27.0		48.4	51.2	53.4				
29.0			50.0	52.6	54.8			
31.0			49.4	51.8	54.0	57.2		
33.0			48.8	51.2	53.2	56.0	59.4	
35.0						54.8	58.0	61.2

### Remarks:

1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capacitys: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TC: Total Cooling Capacity  
SH: Sensible Heat Capacity

## 4-2. Heating capacity Tables

Model: MWF140AMN									
Outdoor air temperature	°C,WB								
°C,DB	-7.0	-5.2	-2.9	0.0	2.0	4.0	6.0	10.0	14.0
Heating capacity									
-5.0	8.0	8.2							
0.0	8.6	8.8	9.0						
3.0		9.5	9.7	9.9	10.1				
7.0			10.4	10.7	10.9	11.2			
11.0				11.8	12.1	12.3	12.6	12.9	
15.0					13.5	14.0	14.5	14.9	15.4

Model: MWF224AMN									
Outdoor air temperature	°C,WB								
°C,DB	-7.0	-5.2	-2.9	0.0	2.0	4.0	6.0	10.0	14.0
Heating capacity									
-5.0	14.0	14.5							
0.0	15.2	15.6	16.0						
3.0		16.8	17.2	17.8	18.4				
7.0			18.4	19.3	20.1	21.0	21.9		
11.0				20.8	21.9	23.0	24.1	25.2	
15.0					23.8	24.7	25.6	26.4	27.2

Model: MWF280AMN									
Outdoor air temperature	°C,WB								
°C,DB	-7.0	-5.2	-2.9	0.0	2.0	4.0	6.0	10.0	14.0
Heating capacity									
-5.0	17.5	17.9							
0.0	19.0	19.5	20.0						
3.0		20.7	21.5	22.3	23.1				
7.0			23.0	24.2	25.3	26.4	27.6		
11.0				26.2	27.6	28.6	29.7	31.0	
15.0					29.8	30.8	31.8	32.9	34.0

### Remarks:

1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capacities: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TH: Total heating capacity

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

All Fresh Air  
Unit

## Capacity Tables

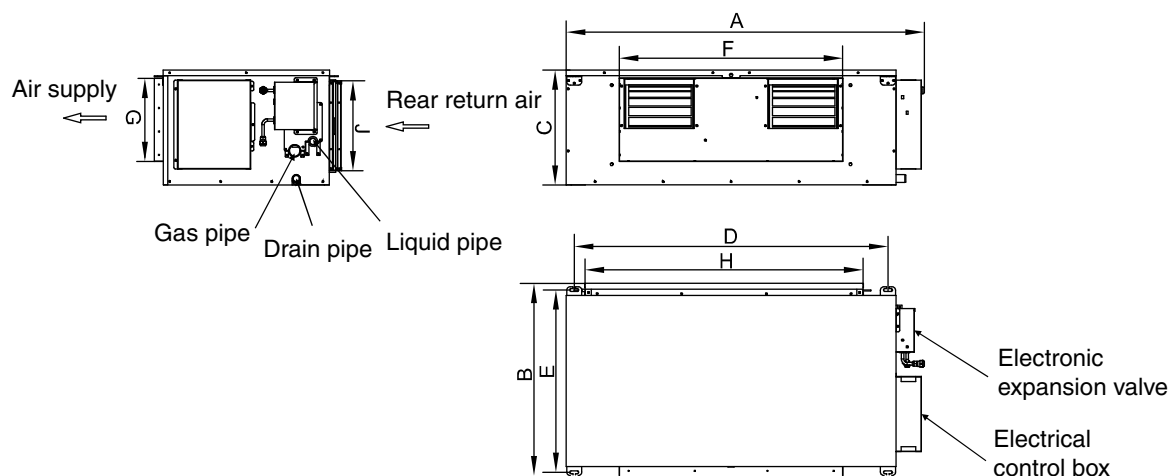
Model: MWF450ADNN									
Outdoor air temperature	°C, WB								
°C, DB	-7.0	-5.2	-2.9	0.0	2.0	4.0	6.0	10.0	14.0
	Heating capacity								
-5.0	27.5	28.5							
0.0	29.8	30.6	31.4						
3.0		33.0	33.8	34.9	36.1				
7.0			36.1	37.9	39.4	41.2	43.0		
11.0				40.8	43.0	45.1	47.3	49.5	
15.0					46.7	48.5	50.2	51.8	53.4

Model: MWF560ADNN									
Outdoor air temperature	°C, WB								
°C, DB	-7.0	-5.2	-2.9	0.0	2.0	4.0	6.0	10.0	14.0
	Heating capacity								
-5.0	34.1	34.9							
0.0	37.1	38.0	39.0						
3.0		40.4	41.9	43.5	45.0				
7.0			44.9	47.2	49.3	51.5	53.8		
11.0				51.1	53.8	55.8	57.9	60.5	
15.0					58.1	60.1	62.0	64.2	66.3

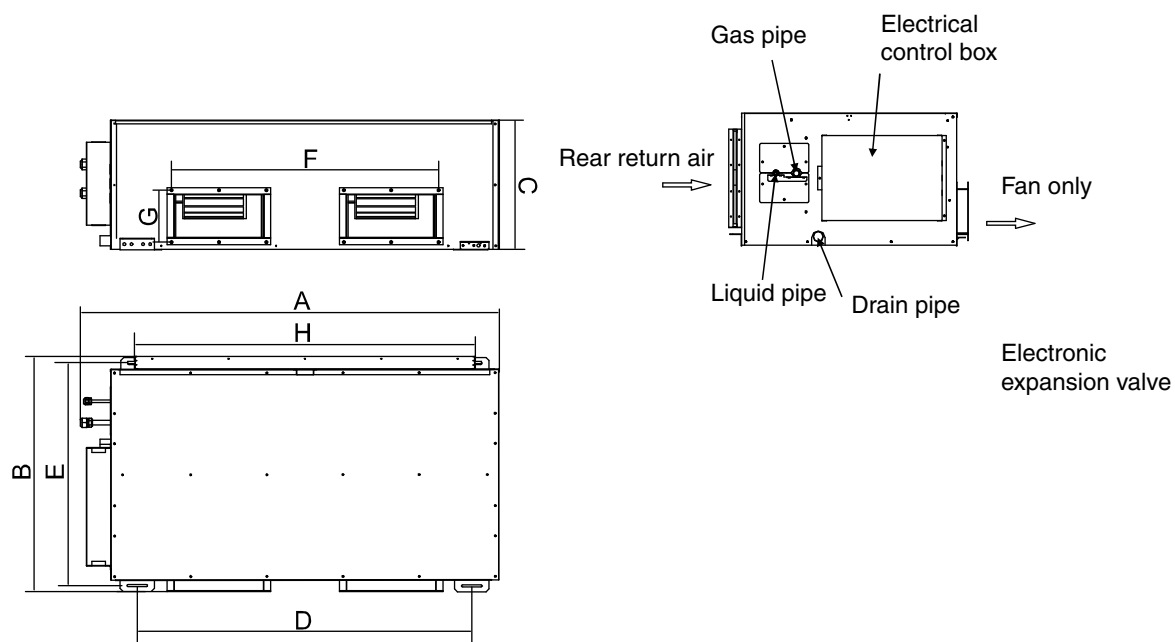
### Remarks:

1. The design and executive standard of the unit is GB/T 18837-2015.
2. Test conditions for the above-said indoor unit capacities: Equivalent length of refrigerant piping is 5 meters; falling is 0 m.
3. Due to system optimization reasons of the product, change of the data will be conducted without notice.
4. TH: Total heating capacity

## 5 Dimensions Drawings



Indoor Unit model	Dimension code	Body dimension			Mounting dimensions		Air outflow dimension		Return air dimension	
		A	B	C	D	E	F	G	H	J
MWF140AMN		1190	620	370	1038	588	740	267	920	290



Unit: mm

Indoor Unit model	Dimension code	Body dimension			Mounting dimensions		Air outflow dimension		Return air dimension	
		A	B	C	D	E	F	G	H	J
MWF224~280AMN		1465	811	448	1162	771	930	180	1174	272

Indoor unit

1-way cassette Unit

2-way Cassette Unit

4-way Cassette Unit

Slim Duct Unit

Standard ESP Duct Unit

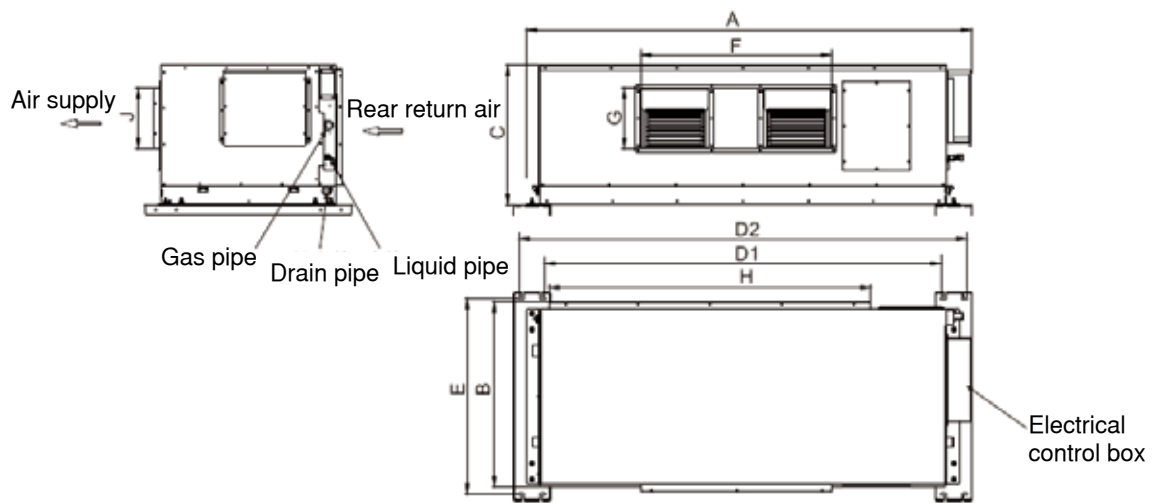
Medium ESP Duct Unit

High ESP Duct Unit

Wall-mounted Unit

Floor Ceiling Unit

All Fresh Air Unit



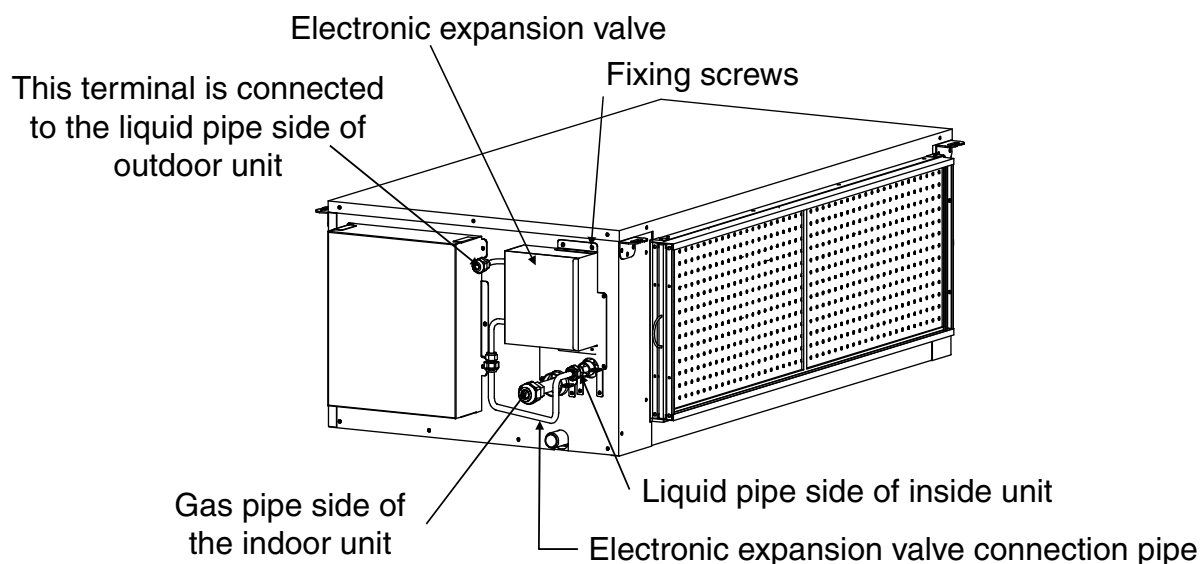
Unit: mm

Indoor Unit model	Body dimension			Mounting dimensions			Air outflow dimension		Return air dimension	
	A	B	C	D1	D2	E	F	G	H	J
MWF450~560ADN	2165	916	676	1926	2176	950	928	292	1563	563

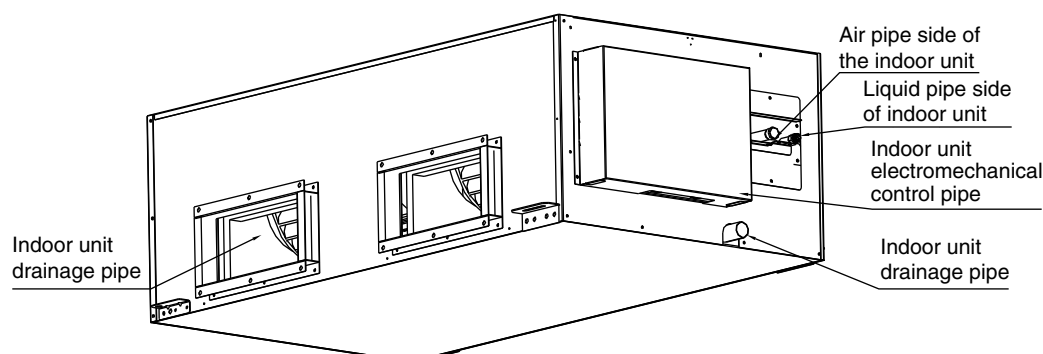


## 6 Pipe Connection

Indoor Units models: MWF 140AMN

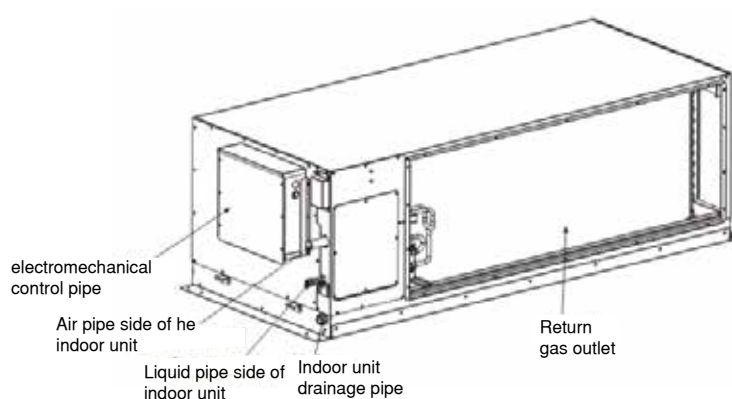


Indoor Units models: MWFD224 ~ 280AMN



Note: the electronic expansion valve of this new fan is built-in in the unit. connecting to the outside is not required;

Indoor Units models: MWFD450 ~ 560ADN



Remark: The electronic expansion valve of this model is Unit built-in.

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

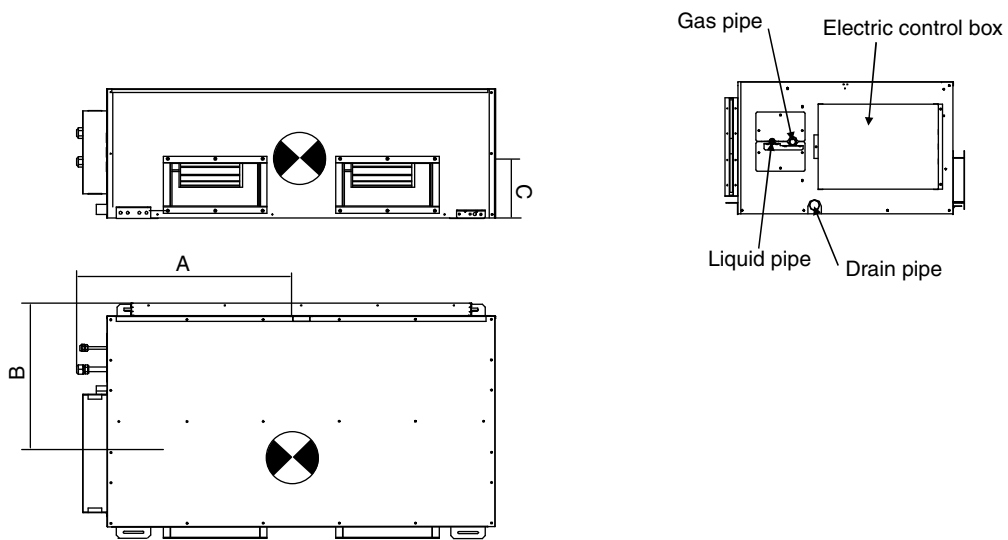
High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

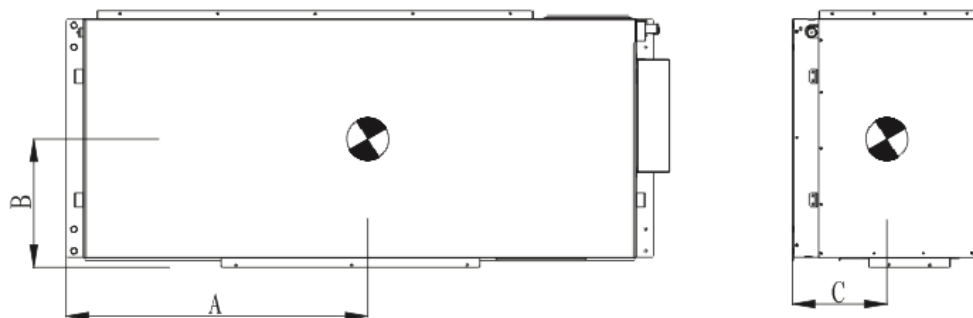
All Fresh Air  
Unit

## 7 Center of Gravity



Unit: mm

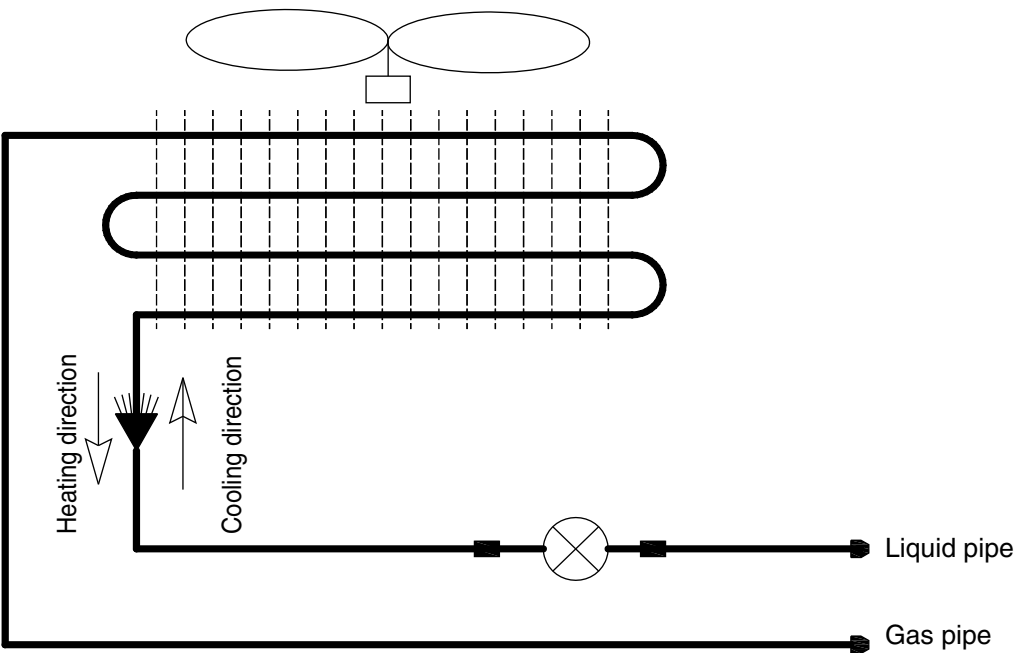
Dimension code Indoor Unit model	Gravity center dimension		
	A	B	C
MWF 140AMN	600	350	180
MWF 240~280AMN	735	500	200



Unit: mm

Dimension code Indoor Unit model	Gravity center dimension		
	A	B	C
MWF 450~560ADN	1080	460	340

8 Piping Diagram



Model	MWF 140AMN	MWF 224~ 280AMN	MWF450~560ADN
Liquid pipe	Φ9.52(flaring connection)	Φ12.7(flaring connection)	Φ15.88(flaring connection)
Gas pipe	Φ15.88(flaring connection)	Φ22.2(brazed connection)	Φ28.6(brazed connection)

Indoor  
unit

1-way cassette  
Unit

2-way Cassette  
Unit

4-way Cassette  
Unit

Slim Duct  
Unit

Standard ESP  
Duct Unit

Medium ESP  
Duct Unit

High ESP  
Duct Unit

Wall-mounted  
Unit

Floor Ceiling  
Unit

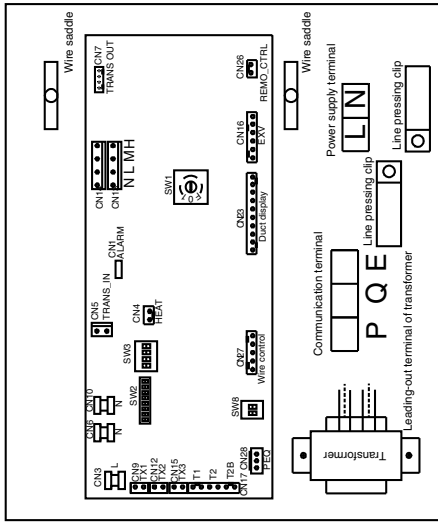
All Fresh Air  
Unit

## 9 Electrical Wiring Diagram

### ■ MWF140AMN

#### High static pressure air hose electrical elements arrangement diagram

Notice: Terminal has no earth connection bit, but needs to install earthing screws on electronic control box metal plate earth connection mark for field installation.



Addressing mode select bit	SW3	The 4th place
Automatic addressing mode (factory default)	ON	ON
Test pattern (allowing address reset)	OFF	OFF

Heating temperature compensation value selection bit	SW2 3rd and 4th place	Temperature selection
6°C	ON	ON
2°C	OFF	OFF
4°C	ON	ON
8°C	OFF	OFF

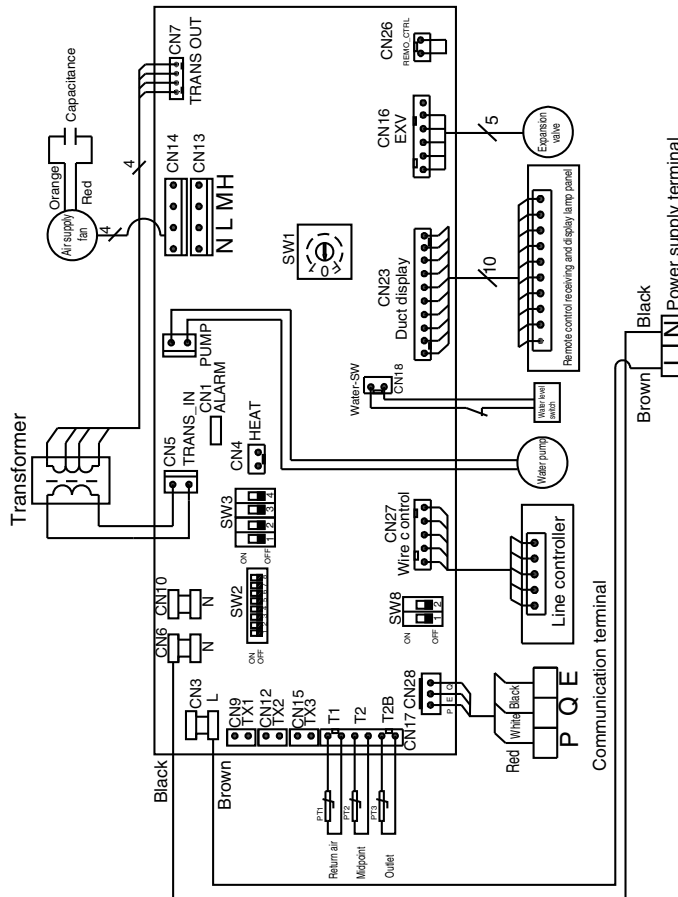
Temperature valve select bit of against cold air airflow	SW2 5th and 6th place	Temperature selection
15°C	ON	ON
20°C	OFF	OFF
24°C	ON	ON
26°C	OFF	OFF

Customize power down memory function according to contract	SW3	The 1st place
With power down memory function	ON	ON
No power down memory function	OFF	OFF

Note: SW8 dial-up is for debugging, to digital side default. If dial isn't stated, acquiesce in dialing up to digital side.

Time selection of off-wind fan under heating mode	SW2 7th and 8th place	Temperature selection
4 min	ON	ON
8 min	OFF	OFF
12 min	ON	ON
16 min	OFF	OFF

Factory settings	SW3	SW8
ON	ON	ON
OFF	OFF	OFF

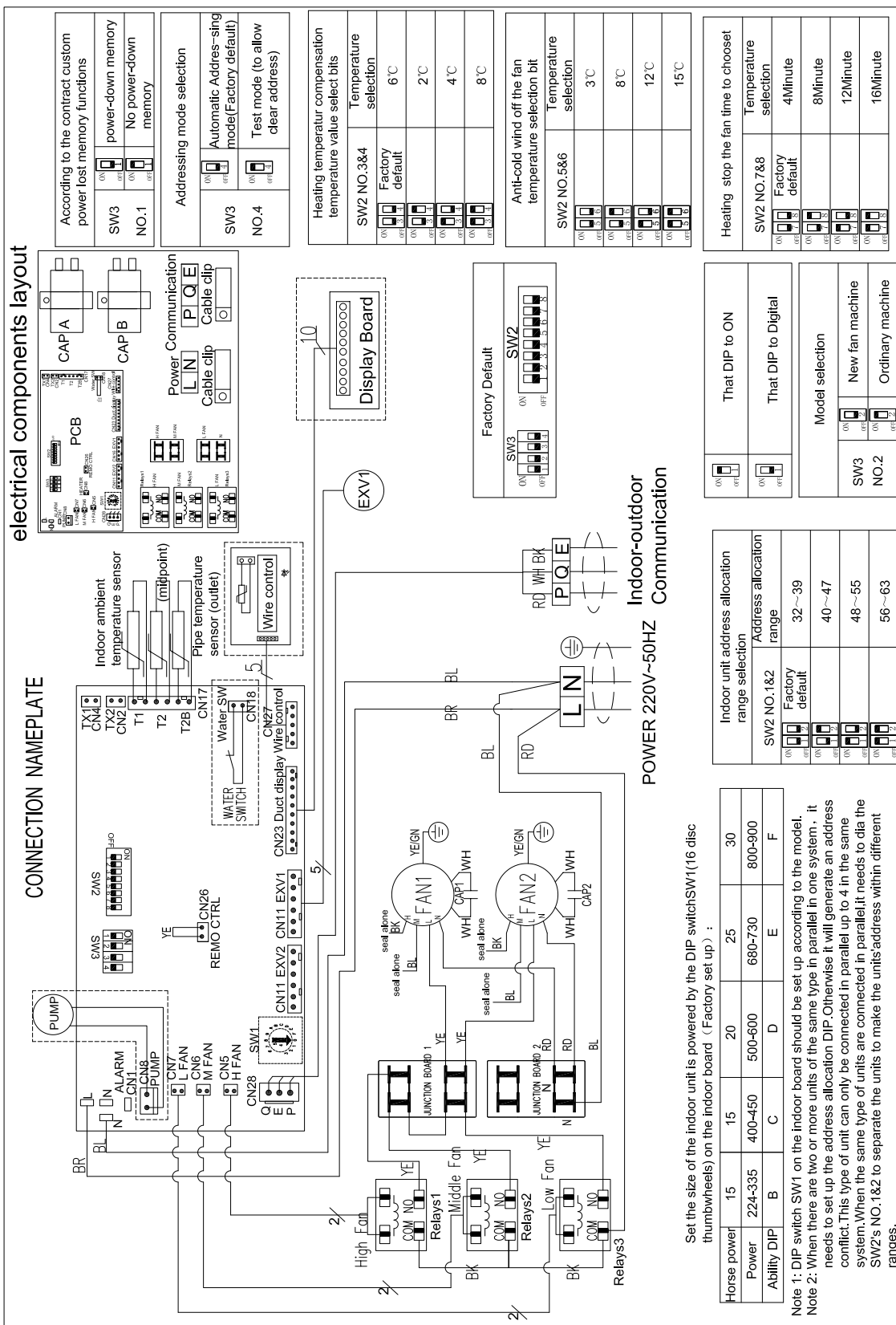


The horsepower of indoor unit which has been set before delivery can be reset through dial switch SW1 (16 bit dial disk) on indoor board. The horsepower indoor unit includes types below:

HP	0.8	1	1.2	1.7	2	2.5	3	3.2	4	5	6
Power	18/22	25/28/28	32/35/36	40/45/46	51/56	60/66/71	80/88/90	100/110/112	120/125/140	150/160	
Capacity dial-up	0	1	2	3	4	5	6	7	8	9	

Factory settings	SW3	SW8
ON	ON	ON
OFF	OFF	OFF

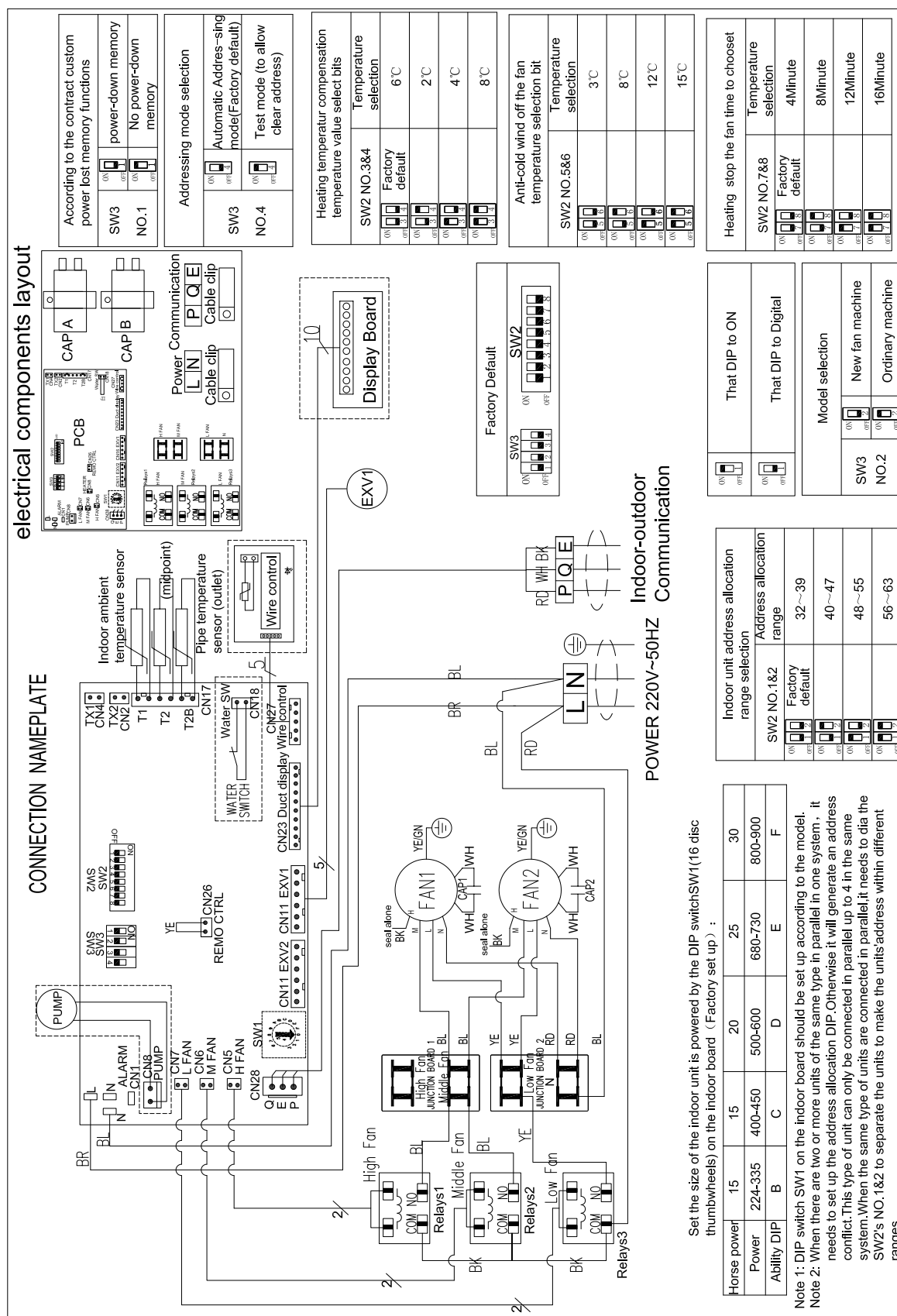
# ■ MWF224AMN



## Remarks:

1. Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings.
2. Due to continuous product updates and progress, the actual goods may differ from the wiring diagram; hence it is subject to the actual goods without prior notice.

■ **MWF280AMN**

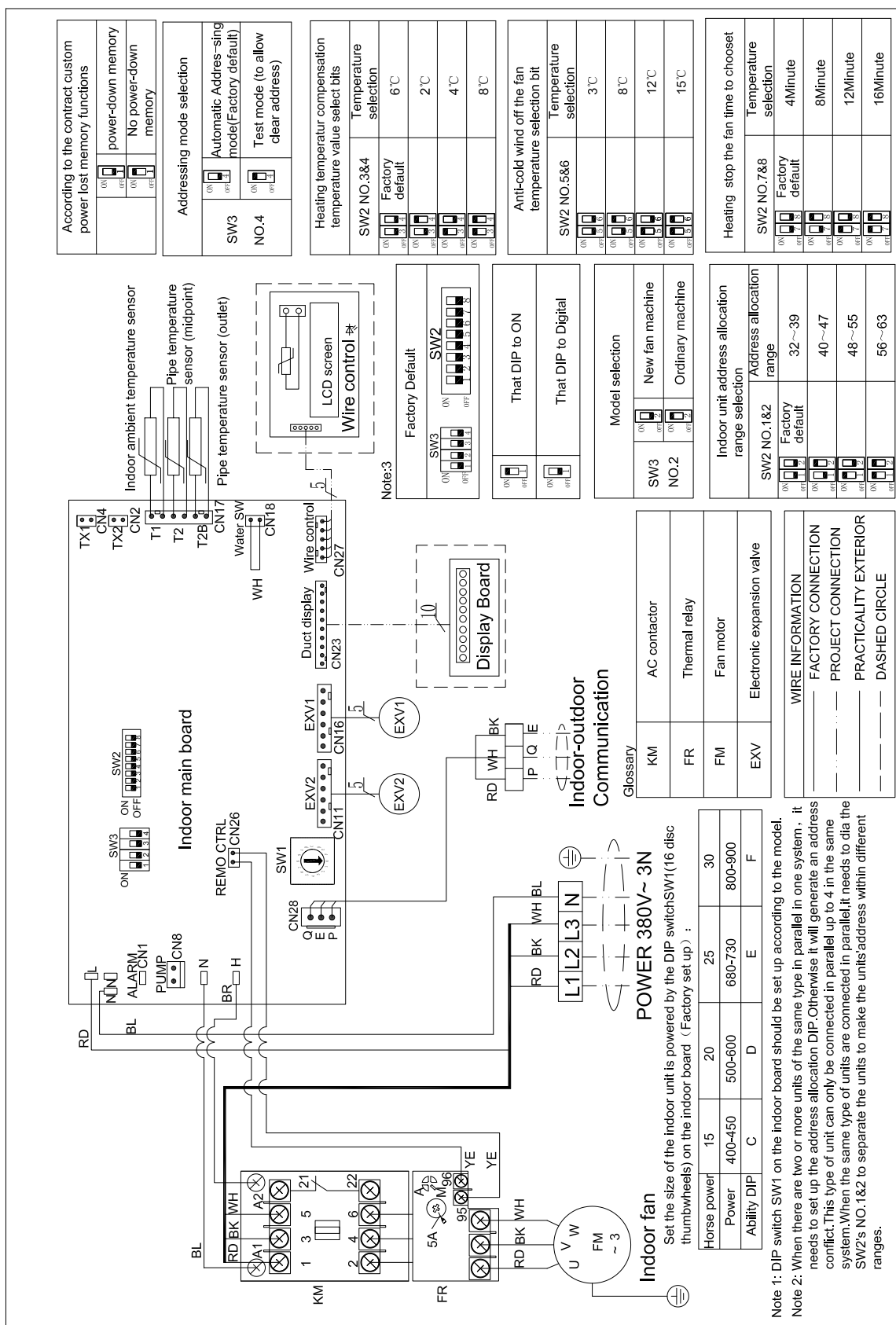


## Remarks:

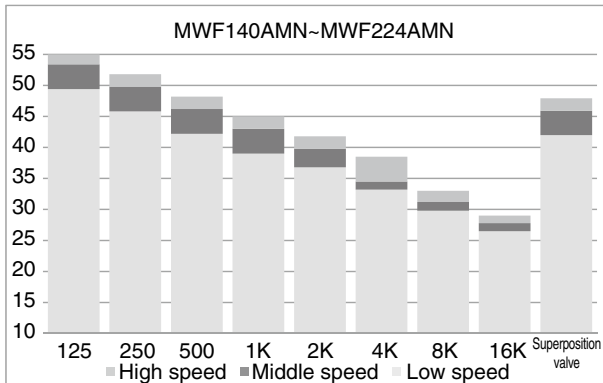
1. Prior to the delivery from the factory, the factory has set up the related settings and carry out strict tests, without the professional persons, please do not arbitrarily change the power control settings.
2. Due to continuous product updates and progress, the actual goods may differ from the wiring diagram, hence it is subject to the actual goods without prior notice.



■ MWF450-560ADN

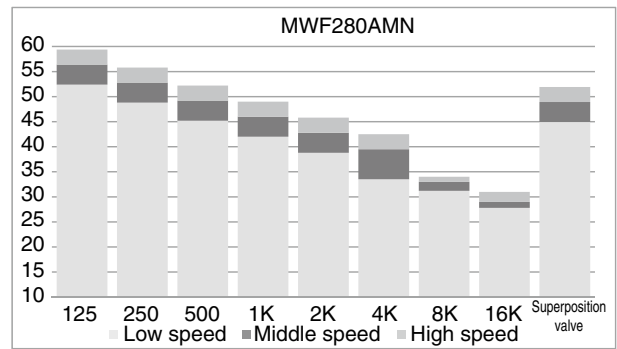


## 10 Sound Data



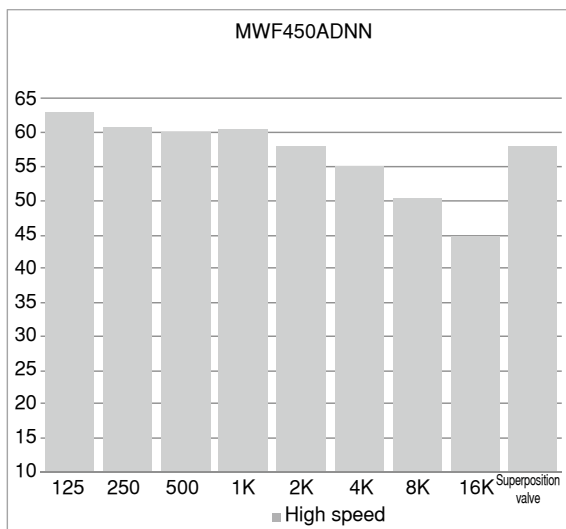
**Description:**

- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of Indoor Unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



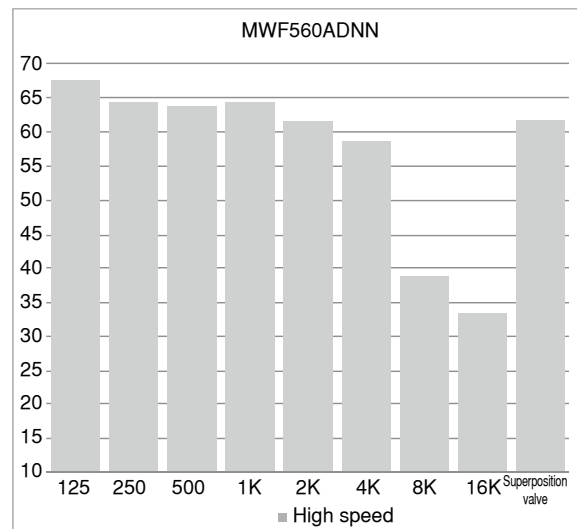
**Description:**

- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of Indoor Unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



**Description:**

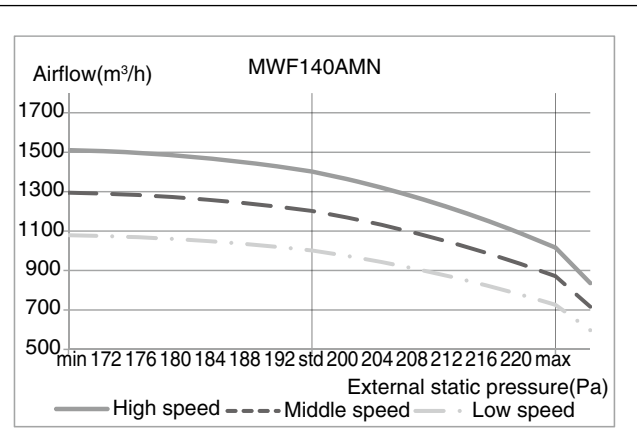
- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of Indoor Unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.



**Description:**

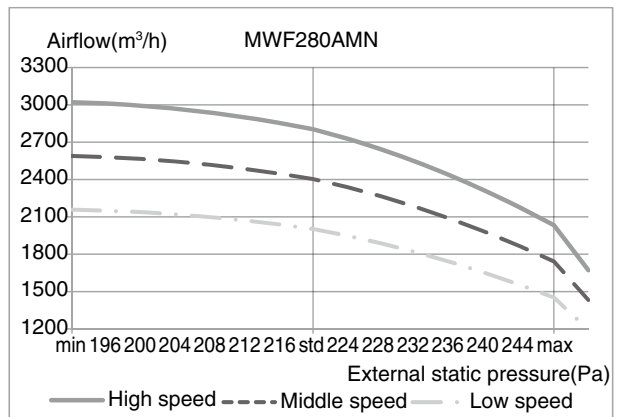
- Noise measured at the actual value measured in the semi-anechoic chamber.
- Noise measurement standard as per GB/T 18837-2015.
- Model of Indoor Unit in the above is the simple model, which omitted some code following the model, but this figure were applied to all these models.

# 11 Fan Characteristics



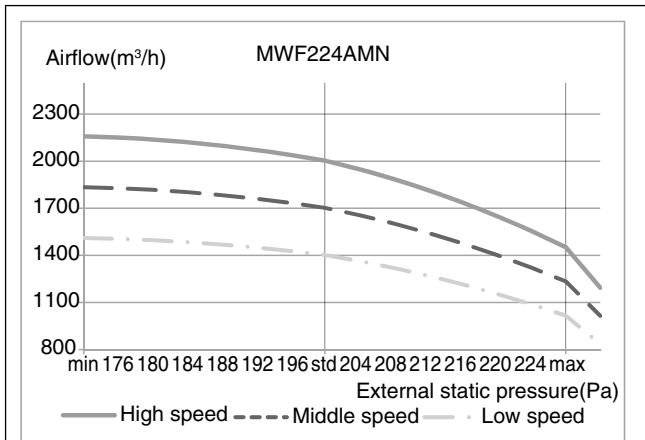
**Remark:**

1. This curve is the variation curve of airflow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.



**Remark:**

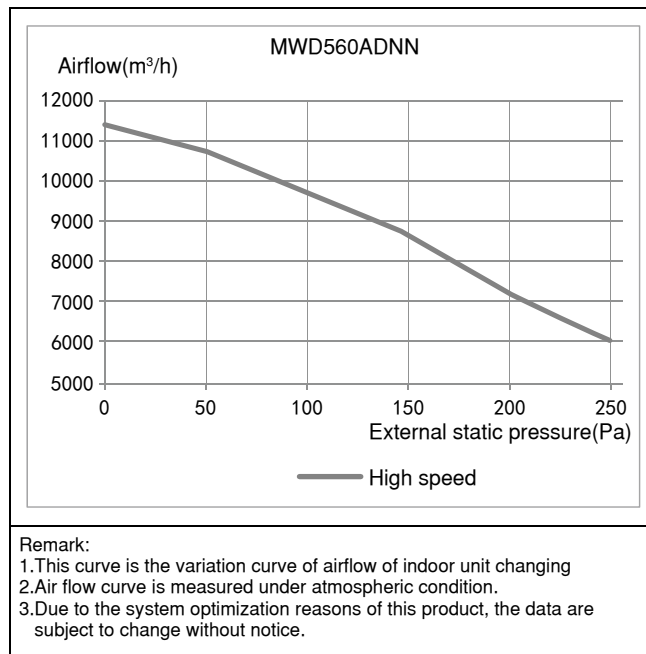
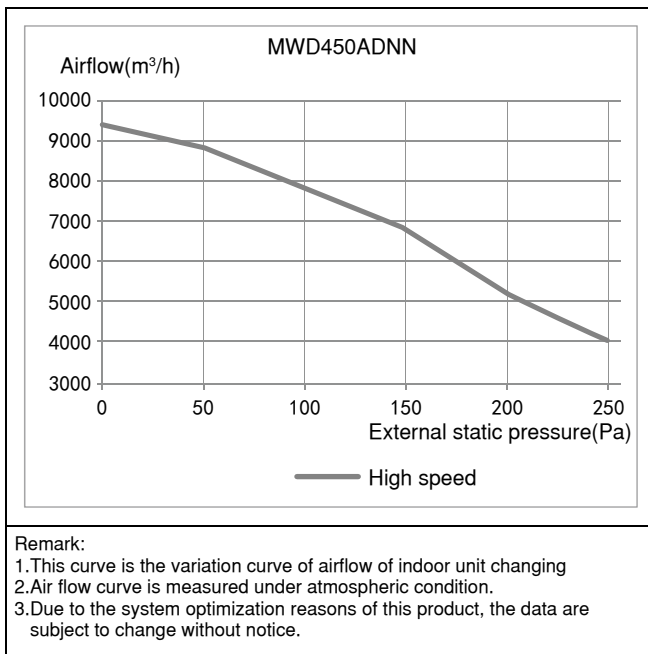
1. This curve is the variation curve of airflow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.



**Remark:**

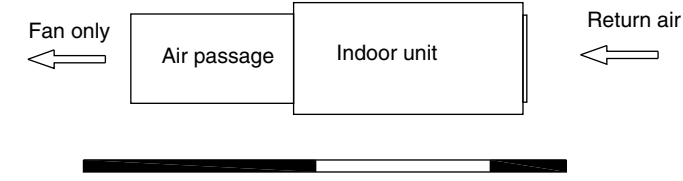
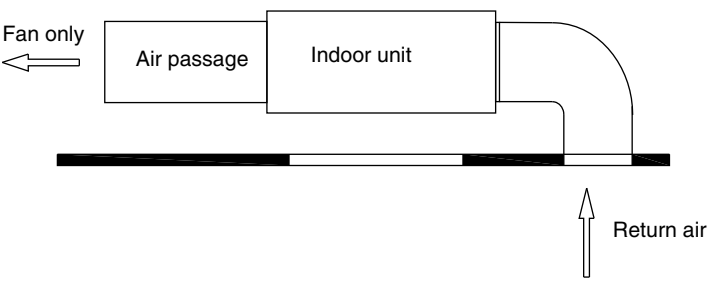
1. This curve is the variation curve of airflow of indoor unit changing with the external static pressure measured under standard air duct.
2. Air flow curve is measured under atmospheric condition.
3. Due to the system optimization reasons of this product, the data are subject to change without notice.

Indoor unit
1-way cassette Unit
2-way Cassette Unit
4-way Cassette Unit
Slim Duct Unit
Standard ESP Duct Unit
Medium ESP Duct Unit
High ESP Duct Unit
Wall-mounted Unit
Floor Ceiling Unit
All Fresh Air Unit



## 12 Installation

Note: the new ducted unit only has the rear return air mode, and they are installed in the following manners:

1.Rear return air, without building air passage for return air	
2.Rear return air, building air passage for return air Note: When connected to the air passage of return air, remove the automatic filter of Indoor Unit, and install at the new return air outlet	

Remark:

- 1.The body must be securely installed, and the body should be maintain horizontally, or it may cause water leakage.
- 2.The installation of the unit must be added to the repair port.
- 3.The repair port size is about 500x500mm; the position is as close as possible to the piping and the side of the electric control box.

Indoor unit

1-way cassette indoor unit

2-way Cassette Indoor Unit

Cassette unit

Slim duct

Medium Static Pressure Ducted Unit

Strong Type Duct Unit

High Static Pressure Ducted Unit

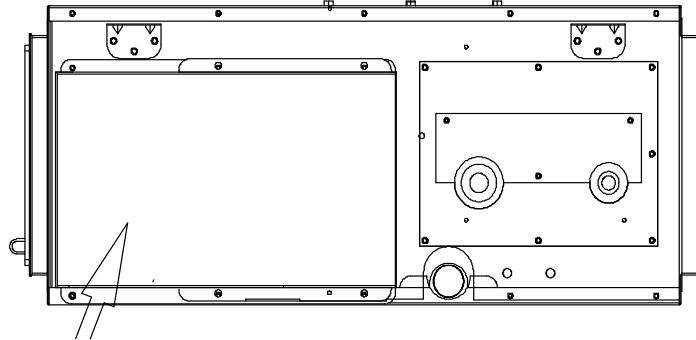
Wall-mounted Indoor Unit

Floor ceiling unit

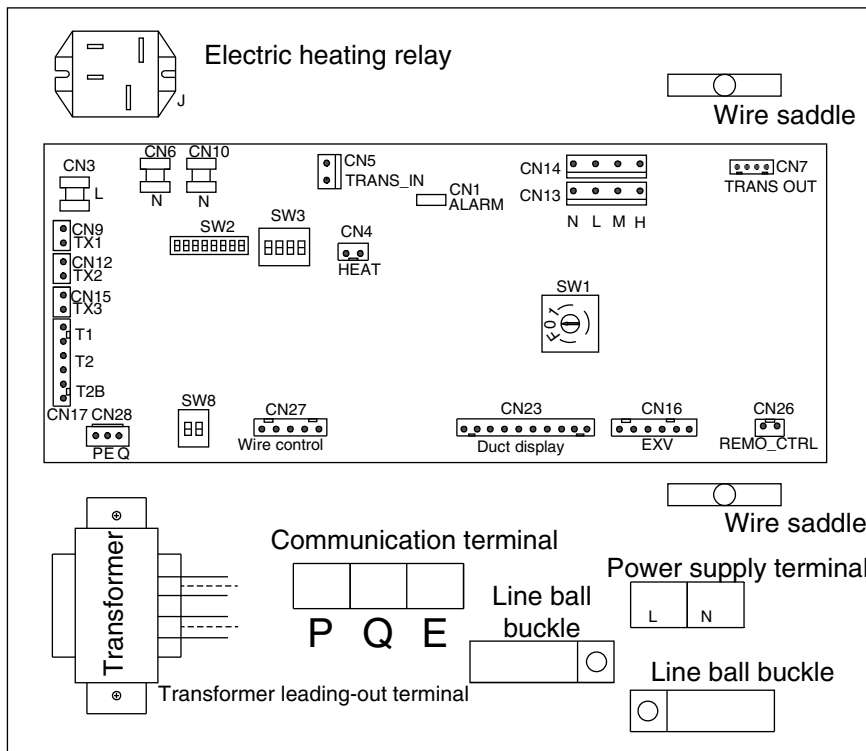
Full fresh air processor

## 13 Electrical Box Connection

1. Take down the electronic control box cover pointed by the arrows as shown

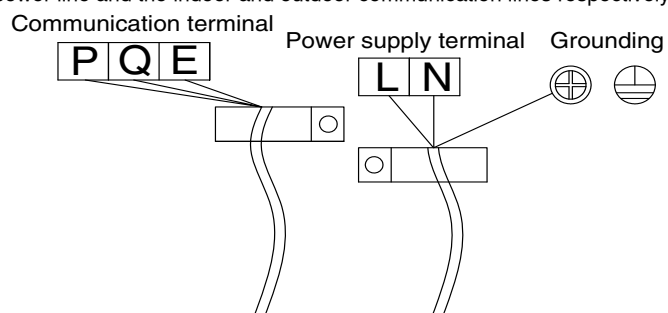


2. Refer to the following electrical layout





3. As shown below, connect the power line and the indoor and outdoor communication lines respectively



## Remarks:

1. Due to continuous product updates and progress, the actual goods may differ from the wiring diagram; hence it is subject to the actual goods without prior notice.
2. For the specific different models, there may be slightly difference; hence it is subject to the actual goods.

Indoor  
unit

1-way cassette  
indoor unit

2-way Cassette  
Indoor Unit

Cassette  
unit

Slim  
duct

Medium Static  
Pressure Ducted Unit

Strong Type  
Duct Unit

High Static Pressure  
Ducted Unit

Wall-mounted  
Indoor Unit

Floor  
ceiling unit

Full fresh air  
processor

# Controller content

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# 1 Brief introduction of controller



## Wired Controller - TM08

- Friendly designed LCD displayer and backlight
- Every operating mode setting
- Temperature adjusting
- Fan-speed, blowing rate adjusting
- Real-time clock setting
- Timing turn ON/OFF setting
- Fault code display
- Indoor unit parameter inquiry



## LCD remote controller - RC510

- Every operating mode setting
- Temperature adjusting
- Fan-speed, blowing rate adjusting
- Real-time clock setting
- Timing turn ON/OFF setting
- Swing direction setting for blind
- Indoor unit address setting and inquiry



## RC610- LCD remote controller

- Various operation temperature, fan and flow adjustment
- Mode setup
- Various profile setup (sleep, strong, comfort)
- Timer on/off setup
- Auxiliary electric heating setup
- Wind guide shutter swing direction setup
- Independent shutter setup (reserved)
- Child safety lock
- Backlight, night lighting
- Indoor unit address setup and query

## 2 Wired controller - TM08

### Operation Precautions

1. This product is a dedicated fitting for air conditioner, it must be installed by professional staff. To avoid unexpected damage, please don't disassemble it unauthorized.
2. This product should not installed around the wet surroundings nor near high temperature source, and not suitable to operate under serious EMI environment.
3. The external power supply is 12 V, wiring order must strictly comply with the method marked on the label at the back of the controller. High voltage power will seriously damage this product or even cause fire.
4. Do not press heavily on the LCD displayer to avoid damage.
5. Do not rub the shell with something sharp to avoid appearance scratch.
6. If the detail in this manual is revised in the future, we will not notice again, please give forgiveness.

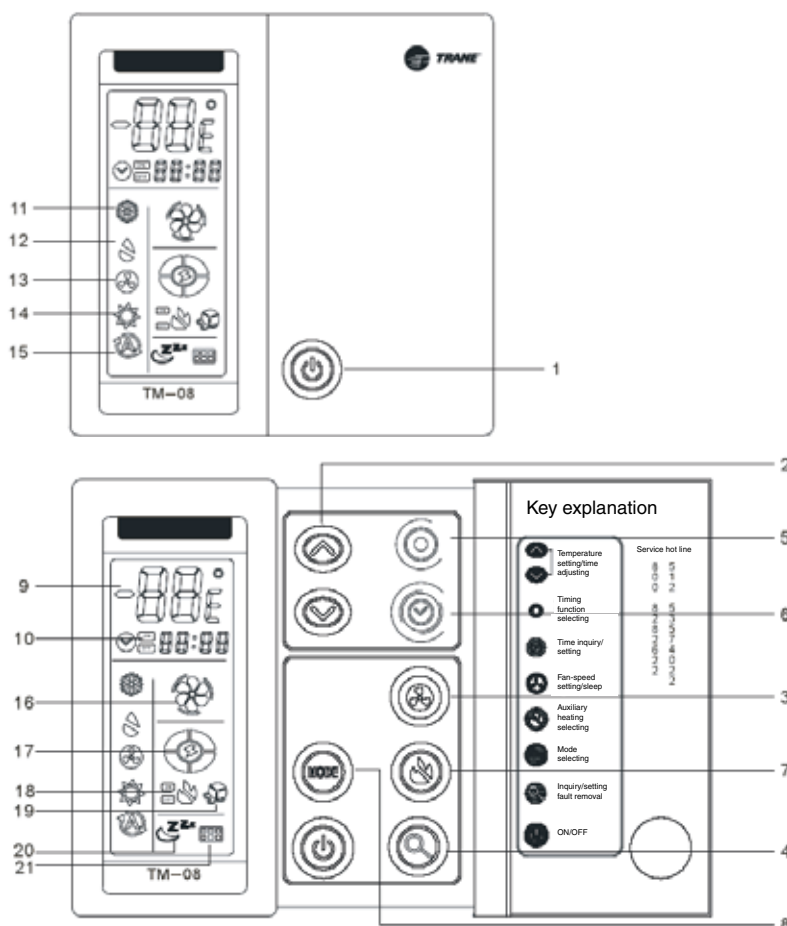
### 2-1. Main technical performance index

1. Operating voltage: DC 12V±10%
2. Operating temperature range: -7°C - 43°C
3. Operating relative humidity: 20% - 85%
4. Operating atmospheric pressure: 80 kPa – 110 kPa
5. Other indexes meet standards from Q/320421KKT002-1999 and Q/320421KKT003-1999 etc.

### 2-2. Function description

This product is dedicatedly designed for air conditioner, it is mainly used for adjusting/display room temperature, setting operating mode of the central air conditioner, timing turn ON/OFF, display clock etc.

### 2-3. Keys and the related functions of wired controller
















**NOTE:**

1. The show in figure is only for convenience of explanation, the true operation display is different.
2. If the unit does not have some function, unit will not do anything when this function key is pressed.
3. When some faults occur and unit goes out of service, please shutdown power supply firstly, 3 minutes later power it on again, if faults still exist, please contact the nearest service point.

1	<b>ON/OFF KEY</b> Each press will turn the state of operating and stop. For turn on operation, unit will run at the current settings.
2	<b>TEMPERATURE (TIMER) ADJUSTING KEY</b> Use the key of this group, you can adjust the setting temperature (or time). Temperature setting range: 16-32°C
3	<b>FAN-SPEED SETTING KEY</b> Select fan speed which has high, medium, low and auto choices. Long-press this key continuously for 5 seconds, it will enter sleep mode.
4	<b>INQUIRY/SETTING FAULT REMOVAL KEY</b> When fault occurs, press this key, if fault is removed, alarm will be canceled and operating state will recover, if fault still exists, alarm will go on. After cleaning the filters, press this key to remove the filter symbol. Under no fault, press this key to inquire each parameter value. Long-press this key continuously for 6 seconds, which will enter settings for each parameter value.
5	<b>TIMING FUNCTION SELECT KEY</b> Select from 4 states of TIMING ON /OFF, TIMING OFF, TIMING ON, CANCEL TIMING, the unit will accord all current settings to turn ON/OFF at the right timing.
6	<b>TIME INQUIRY/SETTING KEY</b> Display the current time, timing ON time, timing OFF time in proper order (24H format). Under each display state, press TEMPERATURE (TIMER) UP/DOWN keys to adjust the time.
7	<b>AUXILIARY HEATING KEY</b> Press this key, unit will start auto auxiliary heating, press it again will not use auxiliary heating. The default setting is starting auto auxiliary heating.
8	<b>OPERATING MODE SELECT KEY</b> User this key, you can select cooling, dehumidification, ventilation, heating, auto operating modes for the unit.
9	<b>SETTING TEMPERATURE DISPLAY</b> Display the current operating setting temperature.
10	<b>TIME, TIMING FUNCTION SELECT DISPLAY</b> When use TIME/TIMING SETTING key, displays the related time in proper order. After finishing setting, displays clock. It can display the settings of timing for the current operating.
11	Cooling Mode Display
12	Dehumidification Mode Display
13	Ventilation Mode Display
14	Heating Mode Display
15	Auto Mode Display
16	Fan-speed Display Display the current fan-speed
17	Indoor Unit Capacity Needs Display Only display the central symbol when no capacity needs. Display full symbols when it has capacity needs.
18	Auxiliary Heating Function Display When auxiliary heating is activated, displays the symbol, no display if auxiliary heating is inactivated. Under OFF state, it will display OFF.
19	Defrost Display Display this symbol when unit is under defrosting.
20	Sleep Function Display Display this symbol when unit under sleep-operating.
21	Air Filter Cleaning Display Display this symbol when air filter needs cleaning.
	<b>Fault Code Display</b> When system faults cause unit stopping and repair is needed, or safety protection is activated, fault code or protection code Ex will displays on the temperature setting area.

### Meaning explanation of LCD display symbols

Symbol	Explanation	Symbol	Explanation	Symbol	Explanation
	Cooling		Sleep		Filter
	Dehumidification		Auxiliary electric heating		Defrost
	Ventilation		Celsius		Fan-speed display
	Heating		temperature		Capacity needs
	Auto		Fahrenheit temperature		

### Parameter inquiry explanation

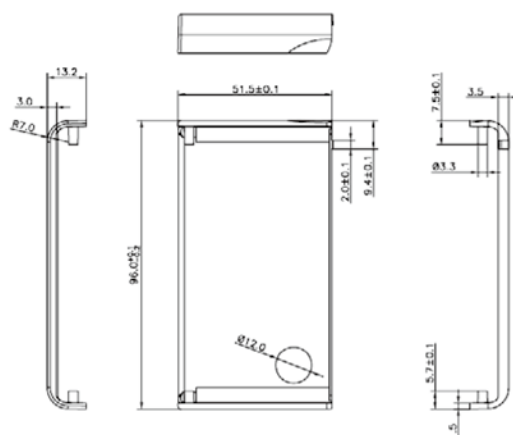
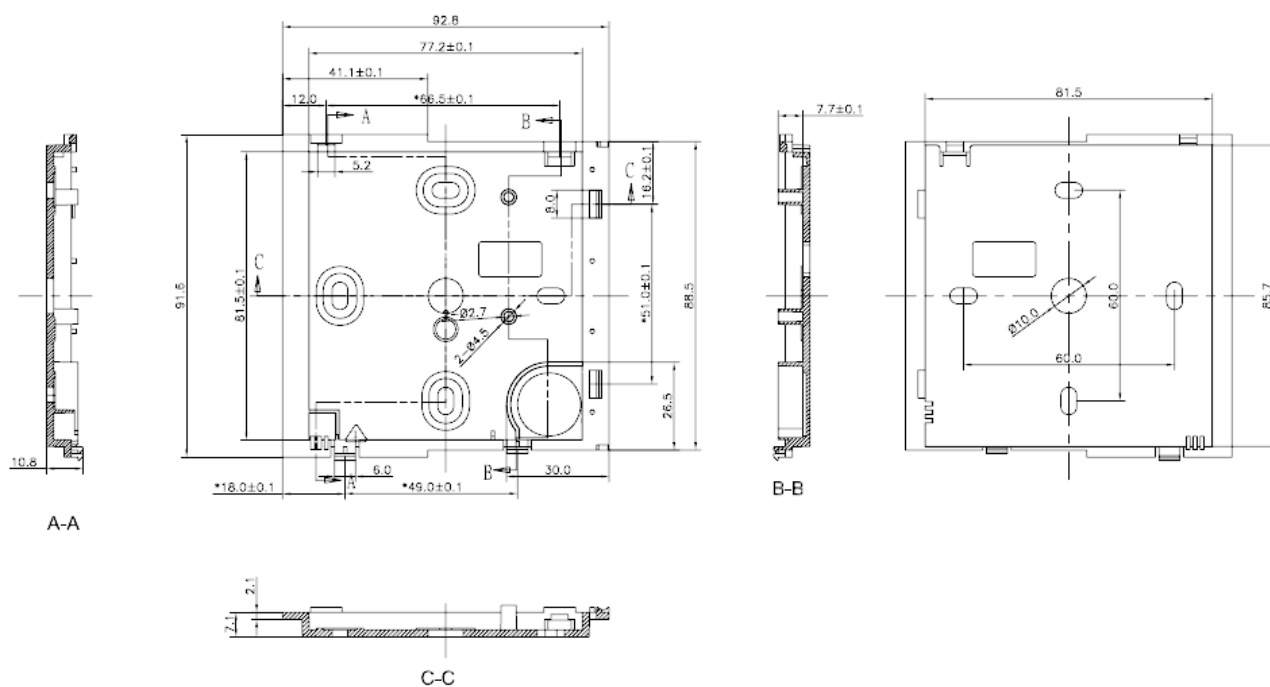
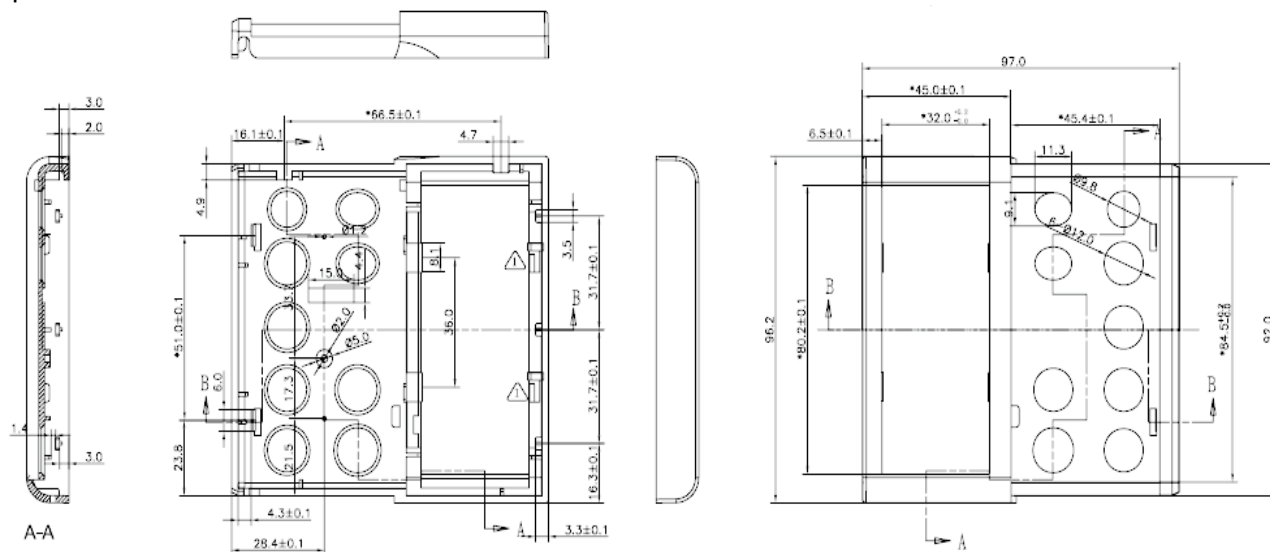
#### Point Inspection Comparison Table for Wired Controller

Point inspection order	Display content
1	Address #; NO. Horsepower × 10 for indoor unit
2	Capacity need for indoor unit
3	T1 temperature value
4	T2 temperature value
5	T2B temperature value
6	The average temperature value of Heating T2 and Cooling T2B.
7	Open degree of Electronic expansion valve divided by 8
8	Return to the main interface

### Fault code explanation

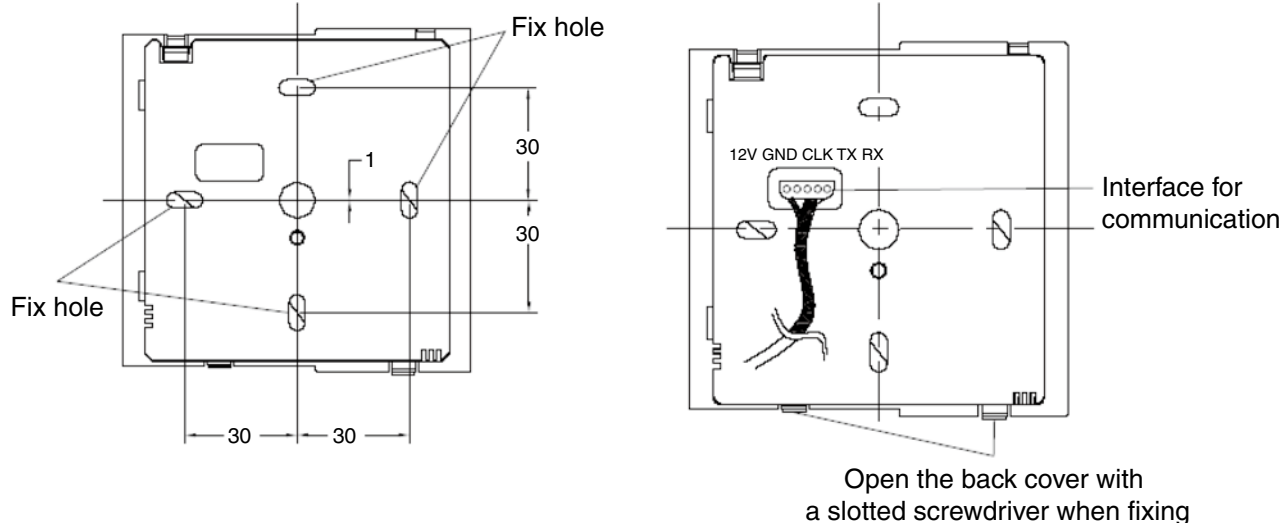
Fault definition	Display content
If no address at the first power on	FE
Phase sequence fault or phase lost fault	E0
Communication for indoor and outdoor units fault	E1
T1 sensor fault	E2
T2 sensor fault	E3
T2B sensor fault	E4
Outdoor unit fault	E5
Zero-crossing signal detection fault	E6
EEPROM fault	E7
PG motor fan-speed detection fault	E8
Communication fault of wired controller	E9
Water level switch alarm fault	EE
Mode conflict fault	EF

Top cover of the wired controller





## 2-5. Installation explanation



Note: Before wiring, please disconnect power supply firstly. Please use the matching screws from our company; otherwise the controller may be damaged.

## 3 Remote controller - RC510

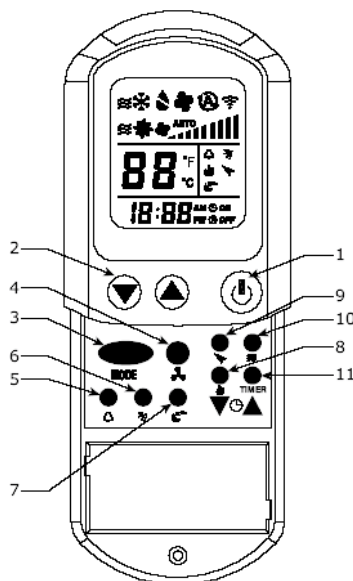
### 3-1. Keys layout explanation



This remote controller has 14 keys in total, they are ON/OFF key, “▲” TEMP key, “▼” TEMP key, MODE key, FAN-SPEED key, SWING key, LIGHT key, SLEEP key, STRONG (fast cooling and fast heating) key, TIMER key, + key, - key.

### 3-2. LCD displayer explanation

1. At the first power on, the LCD displays all symbols for 3 seconds and then enter the normal clock display 12:00.
2. Clock display matches 12:00AM-11:59PM recycled. Timing display matches 12:00AM-11:59PM recycled.
3. At power on state, the remote controller should display the following information:
  - (1)The current operating mode
  - (2)The setting temperature (Celsius)
  - (3)Light indicator
  - (4)The current fan speed
  - (5)The current clock (12H format)
  - (6)Display the setting timing ON (or timing OFF) character if timing ON (or timing OFF) function is activated
  - (7)Display the setting sleep character if sleep function is activated

### 3-3. Keys and the related functions explanation of remote controller



1-ON/OFF	Press this key to turn the air conditioner ON/OFF (under OFF state, remote controller only displays clock).
2-Temperature setting	Press ▲ or ▼ key to increase or decrease the current set point. Setting range: 16°C-30°C. Under ventilation mode, set point becomes invalid.
3-Mode (for cooling & heating model)	Press this key to switch modes in proper order: Cooling→ [Dehumidification]→ Ventilation→ [Heating]→ [Auto Cooling/Heating].
3-Mode (for cooling only model)	Press this key to switch modes in proper order: Cooling→ [Dehumidification]→ Ventilation→ [Auto Cooling/Heating].
4-Fan	Press this key to switch the fan speed in proper order: [Auto]→ Low→ Medium→ High. Under ventilation mode, no Auto fan. Under dehumidification mode, run Low fan.
5-Swing	The first time to press this key will start swing function, press it again will cancel swing.
6-Light	Turn ON or turn OFF the LCD light on the panel of the wall mounted unit. Press ON/OFF key to turn on the indoor unit, wired controller displays  symbol for default, the LCD light on the panel turns on. Press LIGHT key again,  symbol disappears, at the same time, the LCD light is turned off.
7-Sleep	Press this key will start sleep function, press it again will turn sleep off.
8-Electric heater	Press this key will allow electric heater to turn on, press it again will forbid electric heater turning on. The default setting is auto use the auxiliary electric heater.
9-Priority	Priority: press this key will activate the priority, press it again will cancel the priority.
10-Fast cooling/ Fast heating	Fast cooling/Fast heating: if the current mode is COOLING, press this key to enter fast cooling, if the current mode is HEATING, press this key to enter fast heating.
11-Timing turn ON/ OFF time and system time setting	<p>Timing turn ON/OFF time and system time setting:</p> <p>The 1st time to press "TIMER" key will enter timing turn on time setting. This moment, "ON" symbol lights up and flashes, press ▼ or ▲ to set the timing turn on time. Time will decrease or increase by 10 minutes for each step. No operation for 3 seconds, "ON" stops flashing and enter timing turn on state automatically.</p> <p>The 2nd time to press "TIMER" key will enter timing turn off time setting. This moment, "OFF" symbol lights up and flashes, press ▼ or ▲ to set the timing turn off time. Time will decrease or increase by 10 minutes for each step. No operation for 3 seconds, "OFF" stops flashing and enter timing turn off state automatically.</p> <p>The 3rd time to press this "TIMER" key will enter system time setting, this moment the system timer flashing, press ▼ or ▲ to set the system time, it will decrease or increase by 1 minute for each step. No operation for 3 seconds, turn to time display automatically.</p> <p>The 4th time to press "TIMER" key will quit all timer settings.</p> <p>NOTE: During timer setting period, press ▼ or ▲, if the time exceeds 12:00, "AM" and "PM" will switch back and forth.</p>

NOTE: If the unit does not have some function, when this key is pressed, unit will not do anything.

### 3-4. Address code setting and inquiry function of remote controller

This remote controller has both address setting and inquiry functions, please refer to the following operation details.

#### Address setting method

1. Under shutdown mode, long-press "FAN-SPEED" key for 15 seconds, then enter address setting interface, at this moment the address code "00" will display on the temperature area and flashing. Other LCD area will be no display. NOTE: Each time to enter this setting interface, the default display is "00" and flashing.
2. On address setting interface, only temperature INCREASE key, temperature DECREASE key, FAN-SPEED key, ON/OFF key and MODE key are active.
3. Press the temperature INCREASE/DECREASE key will change address code from 00 to 63, and then back to 00 cyclically. Hold INCREASE/DECREASE key not release, 3 seconds later, address code can be changed fast. During the setting operation period, the address code keeps flashing. The address code setting range: 00-63 (decimal format).
4. Make sure the current setting address is correct, then press "FAN-SPEED" key, address code stops flashing, then face to the indoor unit, and then press ON/OFF key to send the address code to indoor unit within 5 seconds. During the period in which the address code is flashing, pressing ON/OFF key will be invalid and the address code will not be sent out.
5. During the period in which the address code has stop flashing, pressing temperature INCREASE/DECREASE key cannot do the adjustment. If the address code needs to be adjusted, press the "FAN-SPEED" key again, and address code will start flashing. That is to say, the FAN-SPEED key is used for enabling the address code modification.
6. Quit address code setting operation: keep no operation for 5 seconds will quit to normal shutdown interface.

#### Address inquiry method

When user needs to check the address code for indoor unit, take remote controller to send the corresponding commands. The receiver board in the indoor unit will display the address code.

Operation method: Under OFF mode, long-press FAN-SPEED key for 15 seconds to enter address code setting interface. Face to receiver board in the indoor unit, press MODE key, and then the inquiry command will sent to indoor unit.

NOTE: The address setting parameter must ranges from 0 to 63, if the parameter exceeds this range, the parameter setting will be fail.

#### Indoor unit address code display method and indicate style:

- Duct units (with wired controller): Use remote controller to inquire address code or press the INQUIRY key on the wired controller once, the address display area of wired controller indicates the current address parameter. The address code will display for 5 seconds, and then back to normal display.
- Wall-mounted units (with digital tube display board): Use remote controller to inquire address code or press the "EMERGENCY" key (on the control board of indoor unit) once, the digital tube flashes and display the current address parameter. The display will last for 10 seconds and then return to normal display.
- The ceiling and floor ceiling units (with 4 LED indicators): Use remote controller to inquire address code or long-press the "EMERGENCY" key (on the control board of indoor unit) for 5 to 10 seconds to get the current address parameter according to the different display state (extinguish, long-light or flash) of 4 LED indicators and the buzzer chiming state. Long-press reaches 10 seconds or releases the "EMERGENCY" key, then display board returns to normal display, and the buzzer returns to normal operating state.

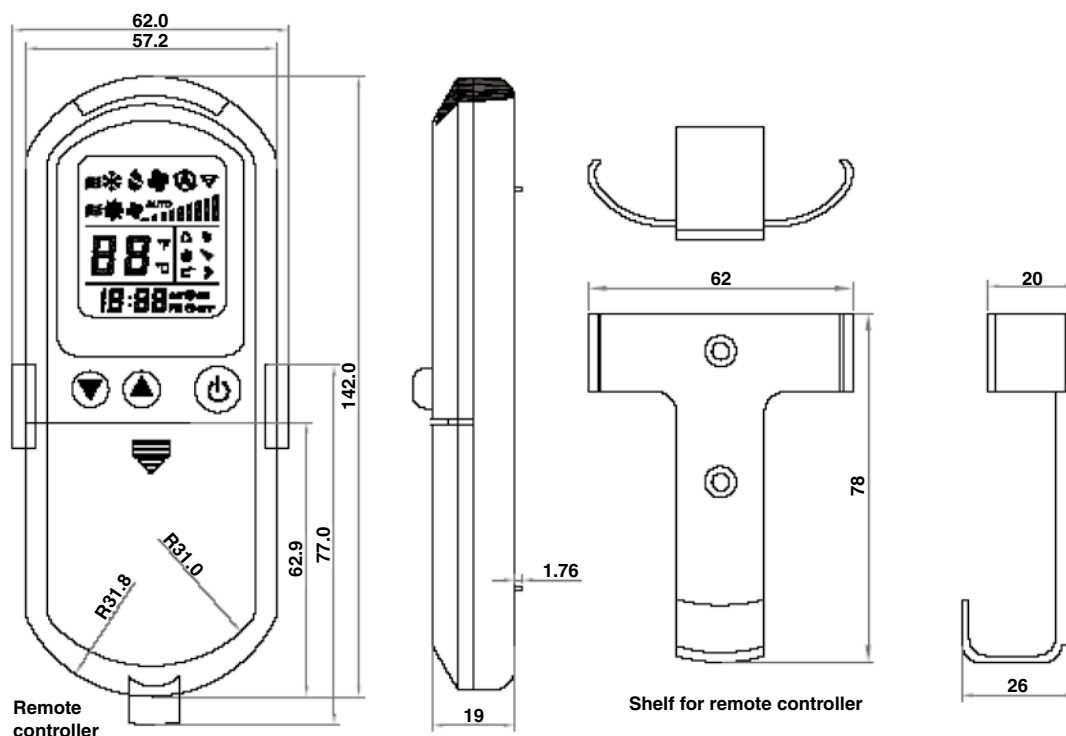
Refer to the following table 1 for the relationship between LED type and parameter value:

LED type	Corresponding parameter value
Running LED	8
Defrost LED	4
Timer LED	2
Alarm LED	1

When displaying the address code, check the corresponding value and add them to get the sum, according to the lit LEDs quantity and type, refer to the above table. If LED is flashing, then the sum plus 16 is the current indoor unit address. If LED is flashing and buzzer is chiming, then the sum plus 32 is the current indoor unit address. The relationship between address parameter range and indicators of LEDs & buzzer as the following table 2:

Address parameter	LED display	Buzzer indicator
0 - 15	Long-light	Silent
16 - 31	Flash	Silent
32 - 47	Long-light	chime
48 - 63	Flash	chime

### 3-5. Size chart of remote controller



### 3-6. Technical parameters of remote controller

1. Operating voltage: 3.0 VDC
2. Power supply: 2 "AAA" 7# batteries
3. Battery lifetime:  $\geq 6$  months (depends on battery quality and use frequency).
4. Sending distance:  $\geq 10$  meters (base on bare test standard).
5. Remote control tapered angle:  $\geq 30^\circ$
6. Sending medium: infrared ray
7. Modulation frequency: 38 kHz
8. Quiescent current:  $\leq 30\mu\text{A}$

## 4 RC610-Controller

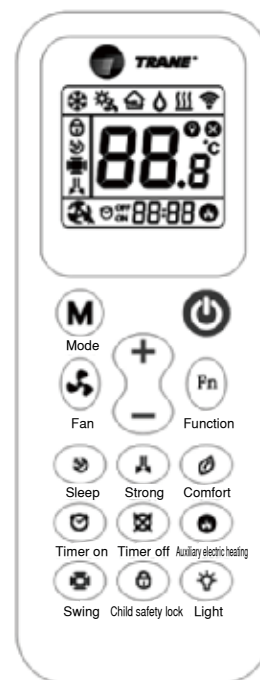
### 4-1. Use of Remote controller

The introduction for use of Wall-mounted Indoor Unit (standard), 4-way Cassette unit(standard), 1-way and 2-way cassette indoor unit (standard), Floor ceiling unit (standard), Full fresh air processor (optional), and duct unit (optional) are as follows:

#### ⚠ Warning:

- Do not put the remote controller near high temperature heat sources such as electric blanket or heat furnace.
- Do not put the remote controller under direct sunlight.
- Use with caution, do not let the controller fall, otherwise it may be damaged.
- There should be no obstruction between the signal receiver of the air condition and the controller that can affect the sending and receiving of signal.
- Prevent the controller from being splashed with liquid such as water.
- Do not put heavy object on the controller.

Note: If it does not function, please use new battery and try again. If the problem is still not solved, please contact your distributor or authorized service center.



#### ⚠ Warning:

Point the controller at the air conditioner. Press the buttons and your command will be signaled to the air conditioner. When the signal is correctly received, you will hear a beep sound from the air conditioner.

### 4-2. Button layout

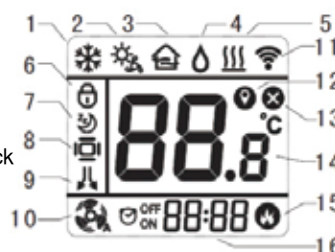
There are 15 buttons on the controller: On/Off button, Mode button, Wind Speed button, Function button, Temperature “+” button, Temperature “-” button, Sleep button, Strong button, Comfort button, Timer On button, Timer Off button, Auxiliary Electric Heat button, Shutter button, Child Safety Lock button, and Light button.

### 4-3. LCD instruction

- The clock shows 12:00 when the controller is powered for the first time;
- The clock runs in a circulation of 00:00-23:59; the timer runs in a circulation of 00:00-23:59;
- The controller will show the following information when turned on:

1. Current operation mode
2. Current fan speed
3. Set temperature ( °C )
4. Sleep icon if Sleep function is activated
5. Strong icon if Strong function is activated
6. Current time (24-hour system)
7. Timer On (or Timer Off) character if Timer Or. (or Timer Off) function is activated
8. Auxiliary electric heat icon if the function is activated
9. Shutter icon if the function is activated
10. Child safety lock icon if the function is activated
11. Light and backlight
12. See previous page for controller appearance

1. Cooling
2. Heating
3. Air supply
4. Dry
5. Floor heating
6. Child safety lock
7. Sleep
8. Swing



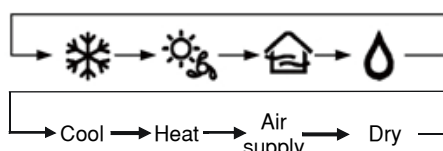
9. Strong
10. Fan
11. Sending command
12. Address
13. Function invalid
14. Temperature setting
15. Auxiliary electric heating
16. Timer

## 4-4. Button function introduction

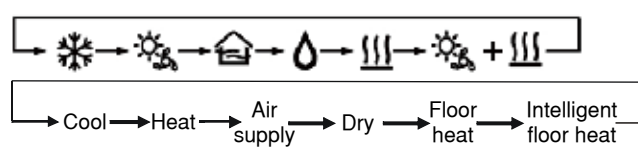
- ON/OFF button:** Function: turn on and off the controller.
- The default status is off, each press will change the status to the opposite. The controller, upon being turned on, will resume the latest settings including mode, fan, temperature, sleep, strong, auxiliary electric heat and shutter, not including other settings;
  - The Timer On (or Timer Off) setting will always be displayed no matter the controller is on or off;
  - After being turned off, only the on/off, timing, child safety lock, light and function buttons are valid;
  - After being turned off, the backlight will be on only when the timer button is used.

- MODE button:** Function: mode setup.
- The operation mode for unit with both Cool and heat functions is set based on the following order: (unit with only Cool function has no heat option)

RC600/RC610



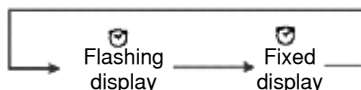
RC620



- Only valid when turned on;
- Switching between modes will cancel the preset Sleep and Strong settings;
- No temperature display or setting in Air Supply mode.

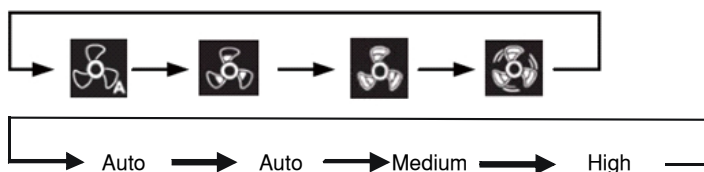
Function: the Function button is used in combination with Mode button, to activate or deactivate the "Clock Setup" function.

- Press the Function button and the Mode button together, the clock icon will switch as follows:



- Operation: the clock icon will flash when you first press the Function button and the Mode button together, now you can set up the clock time; when you press the Function button and the Mode button together again, the icon will stop flashing which means you have quit the clock setup.  
When the icon is flashing (adjustable), use Temperature "+" "-" button to set up mode; each press of the button will increase/decrease the set time on LCD by 1 minute;  
Press and hold the Temperature "+" "-" button for 1 second to enter quick adjustment mode of time setting;
- The clock will always display no matter the controller is on or off.

- Fan button:** Function: adjust the fan of internal blower.
- Choose the fan according to the following order:



- Only valid when turned on;
- The Fan will be fixed at low in Dry mode;
- No Auto option in Air Supply mode, the Fan is initially set to high speed, but is adjustable;
- The Fan is initially set to Auto in Cool and Heat mode, but is adjustable.

**Function button:** Function: used with other buttons for setup.


- a. Used with Mode button to activate or deactivate “Clock setup” function;
- b. Used with Shutter button to set up or cancel “Independent Shutter” function;
- c. Used with Child Safety Lock button to activate or deactivate “Child Safety Lock” function;
- d. Used with Light button to activate or deactivate “Backlight” function.

**Temperature “+/-” button:** Function: adjust temperature setting


- a. The temperature is displayed in °C ;
- b. Only valid when turned on;
- c. Each press of Temperature “+” “-” button will increase/decrease the temperature setting on LCD by 0.5 °C ; Press and hold the Temperature “+” “-” button for 1 second to enter quick adjustment mode of time setting.
- d. The temperature displayed on LCD will be fixed when the temperature is adjusted to lower limit (16 °C) or upper limit (30 °C) in Cool, Heat and Dry mode;
- e. There is no temperature display or setting in Air Supply mode;
- f. The temperature setup range (°C) of different operation mode are as follows:
 

• Cool mode	16 °C-30 °C	Initial setting: 24 °C
• Dry mode	16 °C-30 °C	Initial setting: 24 °C
• Heat mode	16 °C-30 °C	Initial setting: 24 °C
• Air Supply mode	N/A	

**Sleep button:** Function: activate or deactivate Sleep function.

- a. The Sleep function is only valid in Cool and Heat mode. When activated, the icon  will appear on the LCD. Press the button again to deactivate the function, and the icon will disappear.
- b. In Sleep mode, the actual fan speed of indoor unit is set to low, and the indoor set temperature will increase (Cool mode) or decrease (heat mode) over time.

**Strong button:** Function: activate or deactivate Strong function.

- a. The Strong function is only valid in Cool and Heat mode. When activated, the icon  will appear on the LCD. Press the button again to deactivate the function, and the icon will disappear.
- b. In Strong mode, the system will meet the capacity of the indoor unit first.

**Comfort button:** Function: set up default comfort setting.

- a. The Comfort function is only valid in Cool and Heat mode. When activated, there will be no icon displayed on LCD;
- b. In Comfort mode, the fan of indoor unit is set to Auto, the indoor temperature is set to 26 °C (Cool mode) or 20 °C (heat mode). After setting to Comfort mode, the fan and temperature can be adjusted.

**Timer On (or Timer Off) button:** Function: activate or deactivate Timer On (or Timer Off) function.

- a. The setup of Timer On (or Timer Off) function is based on the following order:






- b. Operation: the Timer On (or Timer Off) icon and set time will flash when you first press the Timer On (or Timer Off) button, now you can adjust the set time for Timer On (or Timer Off); Press the Timer On (or Timer Off) button again, the icon and set time will stop flashing, and the settings become valid;  
Press the Timer On (or Timer Off) button for the third time to deactivate the Timer On (or Timer Off) function;  
When the Timer On (or Timer Off) icon and time is flashing (adjustable), use Temperature “+”“-” button to set up time; each press of the Temperature +/- button will increase/decrease the settime of LCD by 10 minutes;  
Press and hold the Temperature “+”“-” button for 1 second to enter quick adjustment mode of time setting;
- c. The Timer On (or Timer Off) function is always valid no matter the controller is on or off;
- d. The Timer On and Timer Off function can be activated at the same time.


Electric Heating  
button:

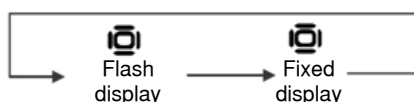
Function: activate or deactivate Electric Heating function.

- a. Only valid in Heat mode. When activated, the icon  will appear on the LCD. Press the button again to deactivate the function, and the icon will disappear.

Shutter button:

Function: activate or deactivate Shutter function.


- a. The Shutter function is off by default;
- b. The Shutter function is only activated when the controller is on. When activated, the icon  will appear on the LCD. Press the button again to deactivate the function, and the icon will disappear.
- c. Use the Function button in combination with Shutter button to activate or deactivate “Independent Shutter” function. Press the function button and shutter button together to switch the setting based on the following order:



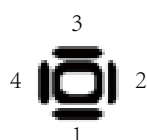
Operation: the Shutter icon will flash when you press the Function button and Shutter button together for the first time, now you can set the shutter swing that need to be adjusted independently; Press the Function button and Shutter button together again, the Shutter icon will stop flashing, the unit will return to normal shutter status;

- d. Temperature “+”“-” button




When the “Independent Shutter” icon is flashing (adjustable), use Temperature “+”“-” button to choose the shutter swing that need to be adjusted independently, then use the Shutter button to activate or deactivate the selected shutter swing. An icon corresponding to the selected shutter swing will appear on the LCD.

For example:  means the shutter on the second position is activated.

Shutter positions are defined as follows:



- e. If the indoor unit only has 1 or 2 shutters, then only the first and second shutter swing positions are valid in the “Independent Shutter” function;
- f. When the Shutter function is activated (shutter icon is displayed on LCD), press and hold the Shutter button for 3 seconds to reset the position.

- Child Safety Lock button:
- Function: activate or deactivate Child Safety Lock function
- The function is deactivated by default;
  - Press the Function button and Child Safety Lock button together to activate or deactivate the function. When activated, an icon  will appear on the LCD. Press the Function button and the Child Safety Lock button together again to deactivate the function, and the icon will disappear.
  - The Child Safety Lock function is valid no matter the controller is on or off.
- Light button:
- Function: activate Light function; activate or deactivate Backlight function.
- Press to activate Light function, press and hold for long time lighting. The light will go off when you release the button;
  - Press the Function button and Light button together to activate or deactivate Backlight function;
  - The Backlight function is activated by default, press any button, the backlight will be on for 10 seconds, after 10 seconds without any operation, the backlight will go off automatically.
- After releasing a button, the controller will send a remote control code after 2 seconds of delay;
  - After the controller sends an infrared command, an icon  will appear on the LCD and disappear after 0.5 second;
  - If the controller does not support such function, an icon  will appear on the LCD and disappear after 0.5 second;
  - After pressing any valid button, the main receiving board will send a beep sound, which indicates it has received an valid infrared signal.

## 4-5.Remote Control Address Setup and Address Inquiry Operating Method

This remote control includes both address setup and inquiry function, its operating method is described below.

- Address setup operating method:**
- In the Off mode, long press 'fan speed' button for 15 secs, the display enters address setup interface, what appears in temperature section is a blinking '00', and there is no display in other sections. NOTE: Setup interface shows default blinking '00' at all times when activated.
  - During the process of the address setup, the only valid buttons are 'temp up', 'temp down', 'fan speed', 'on/off' and 'Mode'.
  - When adjusting 'temp up/down' ' buttons, the digits of address code 00-63-00 will change, press and hold 'up/down' button for 3 secs could alter address code digits quickly. The code stays blinking during the process.
  - Identify the current address code, press 'fan speed' ' button if correct. The address code would then stop blinking. Press 'on/off' button toward AC receiving panel in 5 secs. The address code is then being sent to the AC. It will be invalid to press 'on/off' button during the blinking session, nor will it send the address code to AC.
  - When the address code stops blinking, the 'up/down' button cannot alter the address code. If readjustment is needed, press 'fan speed' button again. The blinking will be reactivated and the following alternation then can be carried out.
  - Exit the address setup operation: The address setup mode will automatically be turned off within 5 secs, if no operation is conducted.

**Address inquiry operating method:** when user needs to look up AC address code, giving the proper order from the controller will have the AC receiving panel showing its address code. The operating method: In the OFF mode, long press 'fan speed' button for 15 secs, the display enters address setup interface; Press 'Mode' button toward the AC receiving panel, the inquiry for address code then will be sent to the AC.

- Attention:**
- The address parameter interval must be in between 0-63. The parameter setup will be invalid if digits are beyond the interval.
- Indoor AC address code displaying and commanding method:
- Ducted type AC (with wired control): Operate address inquiry by remote control or pressing wired controller once, the wired controller address display area indicates the current address code, the display resumes its normal status after 5 secs.
  - Wall mounted AC (with digital display light panel): operate address inquiry by remote control or pressing 'Emergency' button once by indoor AC electric control panel, the blinking digital tube indicates the current address code, the display resumes its normal status after 10 secs.
  - Ceiling mounted AC, suspended AC (with 4 LED display lights): operate address inquiry by remote control or pressing 'Emergency' button on the AC's light panel in between 5-10 secs, based on the display status of 4 LED lights (off, on or blinking) and beeping sound of the buzzer, it indicates the current address code. After holding for 10 secs or releasing 'Emergency' button, the light panel and the buzzer resumes its normal status.

Types of LED and its corresponding parameter can be found below.(Form 1)

Types of LED	Relative parameter
Running light	8
Defrost light	4
Timer light	2
Alarm light	1

When displaying address code, based on the running number and types of LED, in accordance with each parameter that corresponds to LED from the form above, a basic cumulation is given. If LED is blinking, such an AC unit's address code is the sum of the cumulation that pluses 16; If the buzzer goes off in the meantime, the address code then becomes the sum of the cumulation pluses 32. The corresponding relationship among the address code, light panel and buzzer can be found blow. (Form 2)

Address code	LED display	Buzzer indication
0-15	On	Silence
16-31	Blinking	Silence
32-47	On	Beeping
48-63	Blinking	Beeping

## 4-6. Remote Control Technical Parameters

- Working Voltage: 3.0 VDC;
- Power Source: Two 'AAA' No.7 batteries;
- Battery Life:  $\leq 6$  months (Depending on the battery quality and frequency in use);
- Transmitting Distance:  $\leq 10$  meters (Bare device standard test);
- Remote Control Pointing Angle:  $\angle \leq 30^\circ$ ;
- Transmitting medium: Infrared transmitter;
- Modulation Frequency: 38KHz;
- Static Current:  $\leq 30\mu A$

## 4-7. Replacement of Batteries

- When AC could not receive the signal from the remote control, or the display of remote control becomes vague, it means the batteries are running low, please install new ones;
- Slide back cover and remove old batteries. Please pay attention to the '+' '-' electrode sign when installing.
- Slide forward cover and setup the starting timer. Make sure the display shows the correct time information.

### Attention

- Do not use combination of old and new batteries.
- Please remove the batteries if not using for long duration.
- Batteries that meet JIS or IEC standard have a life span from 6-12 months in normal usage. If batteries exceed the limit of their life span or applied batteries are differently from the described above, there might be a leakage of electrolyte which would cause the damage of the controller.
- Although battery usually comes with a recommended life span, the actual life span in use might be shorter than that.

