



Packaged Air-cooled Chiller Unit *Air Handling Unit*

EAK

Free from Cooling Tower
Available for multi-indoor Unit



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TATUNG
Your best choice Your best partner

●Packaged Air-cooled Type chiller Units

☘Features :

- Chiller pump is standard accessory for TCA-5EAK1A~TCA30EAK3B.
- Adopt stainless-made plate heat exchanger as evaporator (for TCA-5EAK1~TCA-20EAK2B) which make the units more compact and have higher efficiency.
- The condenser adopts corrosion-resisting fin to increase its life cycle and maintain easily.
- Adopt scroll compressor(for TCA-5EAK1A~TCA60EAK4B) of high efficiency, energy-saving.
- Automatic micro-controller let the temperature control more smoothly.
- Independent compressor protection mode can avoid all systems stopping if only one compressor is abnormal(for dual systems and above).

Model number nomenclature:

TCA - XX EA K X X

Model type:
A: Sideway air-blowing
B: Up-way air-blowing
C: Inclined sideway air blowing

Quantity of Compressor
K: Scroll compressor
Other: Screw compressor

Updating version

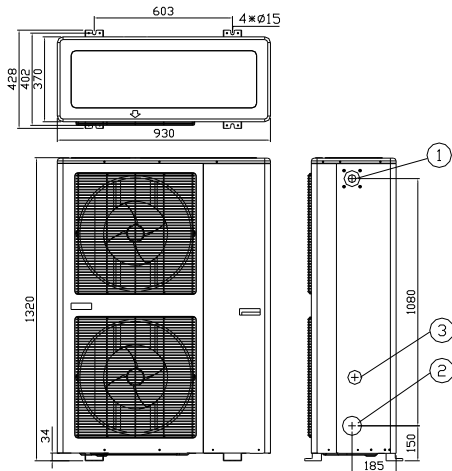
Cooling capacity

Air-cooled chiller unit



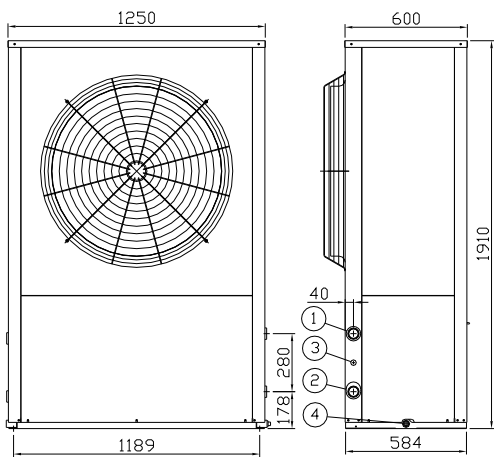
TCA-5EAK1A

1.Chiller water inlet	2.Chiller water outlet
3.Wiring line inlet	



TCA-8/10EAK1A

1.Chiller water inlet	2.Chiller water outlet
3.Wiring line inlet	4.Draining pipe connector

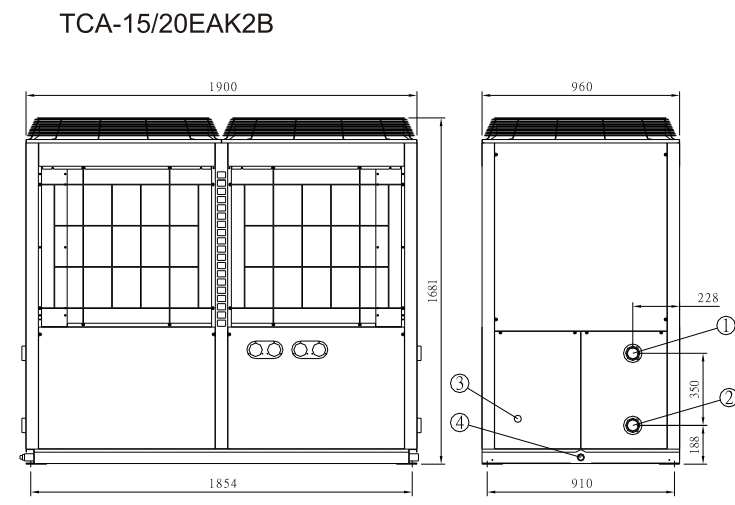
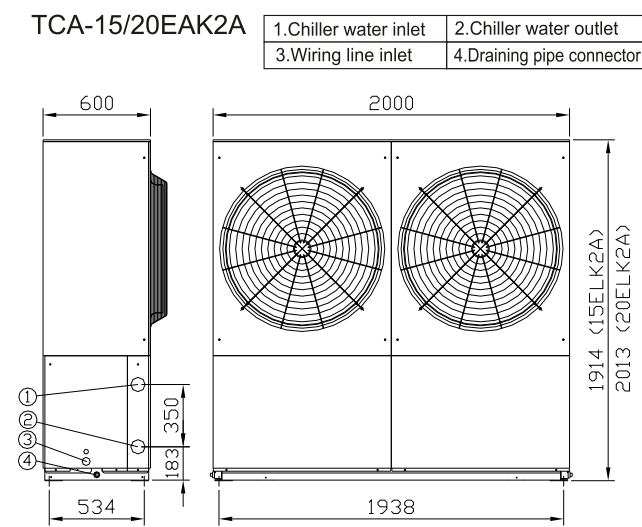
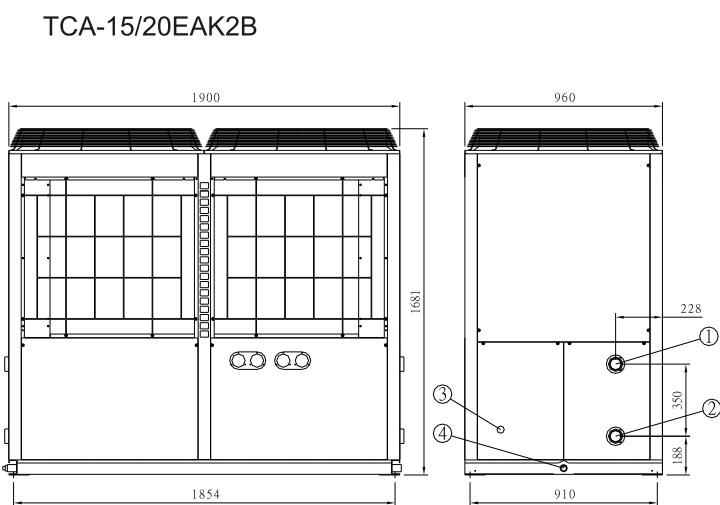
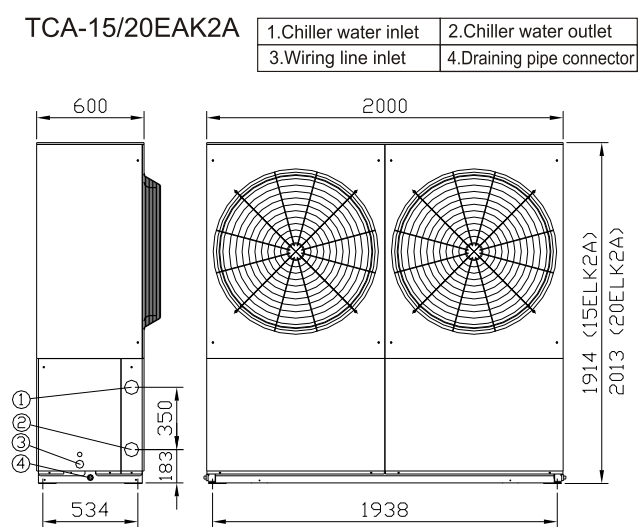


■Specifications

Model			TCA-5EAK1A	TCA-8EAK1A	TCA-10EAK1A
Power source			3ø 380V/415V 50Hz		
Cooling Capacity		KW	14.7	23.6	29.3
		Btu/hr	50,000	80,000	100,000
Water flow rate		L/min	42	67	84
Dimensions	Height	mm	1,320	1,910	1,910
	Width	mm	930	1,250	1,250
	Depth	mm	370	600	600
Foundation-hole pitches	Width	mm	603	1,189	1,189
	Depth	mm	428	534	534
Running Current	380V	A	12.0	15.9	19.6
	415V	A	11.0	14.5	17.9
Power Consumption		KW	6.0	8.2	10.5
Compressor	Type		Hermetic Scroll		
	Quantity		1	1	1
	Capacity Step	%	100,0		
	Starting method		Direct		
Fan	Type x Quantity		Propeller*2	Propeller*1	Propeller*1
	Output	W	84*2	460*1	460*1
Water Pump			0.5	1	1
Condenser			Cross Fin Coil		
Evaporator			Stainless Plate Heat Exchanger		
Safety Devices			High & Low pressure switch, Anti-frozen protector, Internal overheat & overload protector, Compressor 3-minute protector, Reversal phase protector, Fusing plug		
Pipe	Chiller inlet/outlet		PT 1 1/4	PT 1 ½	PT 1 1/2
	Draining		—	PT1	PT1
Refrigerant			R-22		
Weight		Kg	140	310	320

Notes:

- 1.Cooling capacity is based on: chiller water inlet temperature 12℃, outlet temperature 7℃; ambient temperature. 35℃DB/ 24℃WB,Fouling factor :0.0001m²℃/W
- 2.Operating limitation: ambient temperature 15℃~43℃; Chiller water temperature 5℃~16℃
- 3.Owing to technological advances, the above specifications might be updated without early notice.
- 4.If any other special specifications are needed, please notify our sales in advance.
- 5.1KW=860 kcal/hr;1kcal/hr=3.968 Btu/hr.



■ Specifications

Model			TCA-15EAK2A		TCA-15EAK2B	
Power source			3ø 380/415V 50Hz			
Cooling Capacity		KW	44		44	
		Btu/hr	150,000		150,000	
Water flow rate		L/min	126		126	
Dimensions	Height	mm	1,914		1,681	
	Width	mm	2,000		1,900	
	Depth	mm	600		960	
Foundation holes pitches	Width	mm	1,938		1,854	
	Depth	mm	534		910	
Running Current	380V	A	30.5		30.5	
	415V	A	27.9		27.9	
Power Consumption		KW	15.8		15.8	
Compressor	Type		Hermetic Scroll			
	Quantity		2			
	Capacity Step	%	100,50,0			
	Starting method		Sequence direct			
Fan	Type x Quantity		Propeller*2			
	Output	W	460*2			
Water Pump			2			
Condenser			Cross Fin Coil			
Evaporator			Shell and Tube			
Safety Devices			High & Low pressure switch, Anti-frozen protector, Internal overheat & overload protector, Compressor 3-minute protector, Reversal phase protector, Fusing plug			
Pipe	Chiller inlet/outlet		PT 2			
	Draining		PT1			
Refrigerant			R-22			
Weight		Kg	600		700	

- Notes:
- Cooling capacity is based on: chiller water inlet temperature 12℃, outlet temperature 7℃; ambient temperature. 35℃DB/ 24℃WB,Fouling factor :0.0001m²℃/W
 - Operating limitation: ambient temperature 15℃~43℃; Chiller water temperature 5℃~16℃
 - Owing to technological advances, the above specifications might be updated without early notice.
 - If any other special specifications are needed, please notify our sales in advance.
 - 1KW=860 kcal/hr;1kcal/hr=3.968 Btu/hr.

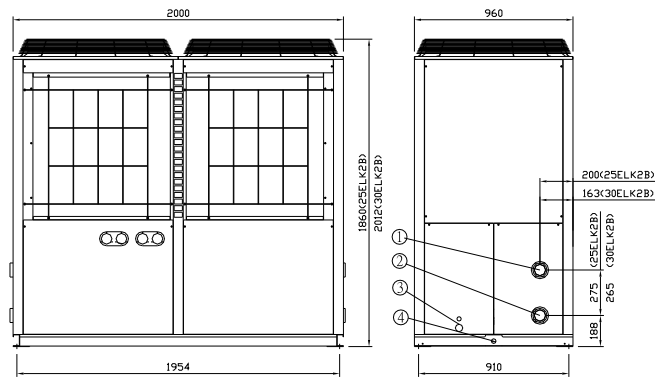
■ Specifications

Model			TCA-20EAK2A		TCA-20EAK2B	
Power source			3ø 380/415V 50Hz			
Cooling Capacity		KW	58.6		58.6	
		Btu/hr	200,000		200,000	
Water flow rate		L/min	168		168	
Dimensions	Height	mm	2,013		1,681	
	Width	mm	2,000		1,900	
	Depth	mm	600		960	
Foundation holes pitches	Width	mm	1,938		1,854	
	Depth	mm	534		910	
Running Current	380V	A	39.4		39.4	
	415V	A	36.1		36.1	
Power Consumption		KW	21.2		21.2	
Compressor	Type		Hermetic Scroll			
	Quantity		2			
	Capacity Step	%	100,50,0			
	Starting method		Sequence direct			
Fan	Type x Quantity		Propeller*2			
	Output	W	460*2			
Water Pump			2			
Condenser			Cross Fin Coil			
Evaporator			Shell and Tube			
Safety Devices			High & Low pressure switch, Anti-frozen protector, Internal overheat & overload protector, Compressor 3-minute protector, Reversal phase protector, Fusing plug			
Pipe	Chiller inlet/outlet		PT 2			
	Draining		PT1			
Refrigerant			R-22			
Weight		Kg	660		780	

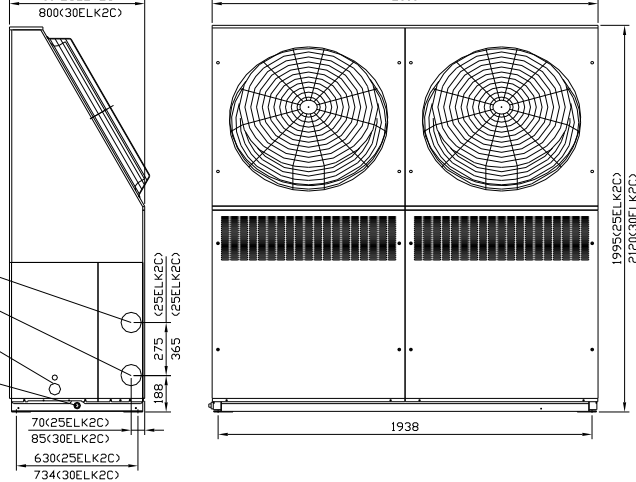
- Notes:
- Cooling capacity is based on: chiller water inlet temperature 12℃, outlet temperature 7℃; ambient temperature. 35℃DB/ 24℃WB,Fouling factor :0.0001m²℃/W
 - Operating limitation: ambient temperature 15℃~43℃; Chiller water temperature 5℃~16℃
 - Owing to technological advances, the above specifications might be updated without early notice.
 - If any other special specifications are needed, please notify our sales in advance.
 - 1KW=860 kcal/hr;1kcal/hr=3.968 Btu/hr.

1.Chiller water inlet	2.Chiller water outlet
3.Wiring line inlet	4.Draining pipe connector

TCA-25/30EAK2B



TCA-25/30EAK2C



■ Specifications

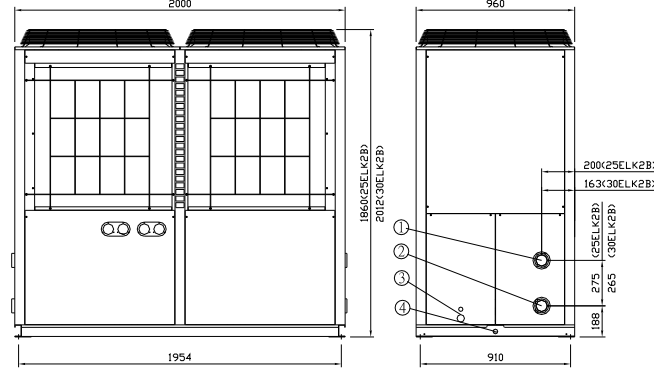
Model			TCA-25EAK2B		TCA-25EAK2C	
Power source			3ø 380/415V 50Hz			
Cooling Capacity		KW	73.3		73.3	
		Btu/hr	250,000		250,000	
Water flow rate		L/min	210		210	
Dimensions	Height	mm	1,860		1,995	
	Width	mm	2,000		2,000	
	Depth	mm	960		700	
Foundation holes pitches	Width	mm	1,954		1,938	
	Depth	mm	910		630	
Running Current	380V	A	47.0		47.0	
	415V	A	43.1		43.1	
Power Consumption		KW	25.1		25.1	
Compressor	Type		Hermetic Scroll			
	Quantity		2			
	Capacity Step	%	100,50,0			
	Starting method		Sequence Direct			
Fan	Type x Quantity		Propeller*2			
	Output	W	770*2			
Water Pump			3			
Condenser			Cross Fin Coil			
Evaporator			Shell and Tube			
Safety Devices			High & Low pressure switch, Anti-frozen protector, Internal overheat & overload protector, Compressor 3-minute protector, Reversal phase protector, Fusing plug			
Pipe	Chiller inlet/outlet		PT 2 1/2			
	Draining		1B			
Refrigerant			R-22			
Weight		Kg	750		770	

- Notes:
- Cooling capacity is based on: chiller water inlet temperature 12℃, outlet temperature 7℃; ambient temperature. 35℃DB/ 24℃WB,Fouling factor :0.0001m²℃/W
 - Operating limitation: ambient temperature 15℃~43℃; Chiller water temperature 5℃~16℃
 - Owing to technological advances, the above specifications might be updated without early notice.
 - If any other special specifications are needed, please notify our sales in advance.
 - 1KW=860 kcal/hr;1kcal/hr=3.968 Btu/hr.

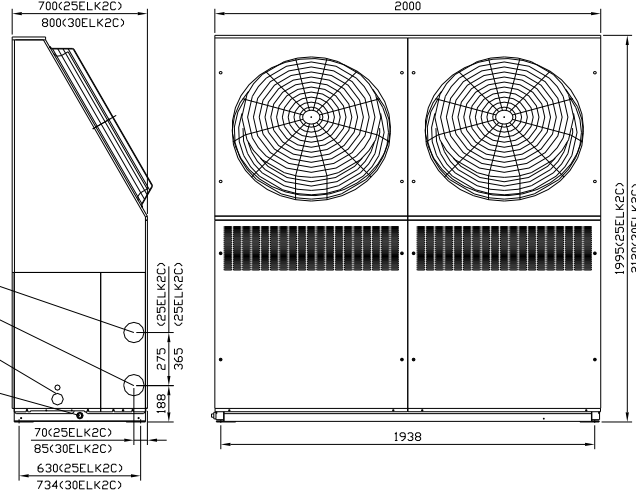


1.Chiller water inlet	2.Chiller water outlet
3.Wiring line inlet	4.Draining pipe connector

TCA-25/30EAK2B



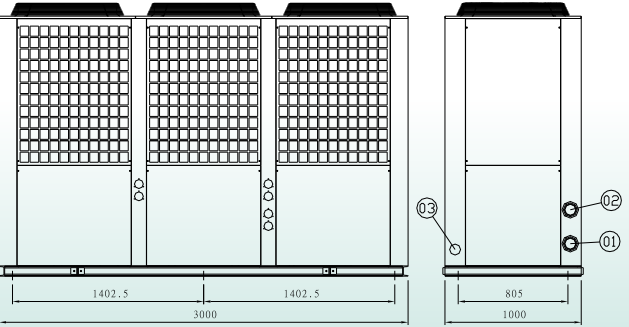
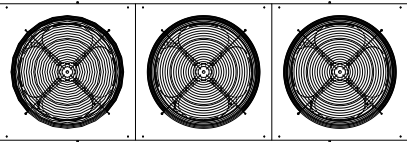
TCA-25/30EAK2C



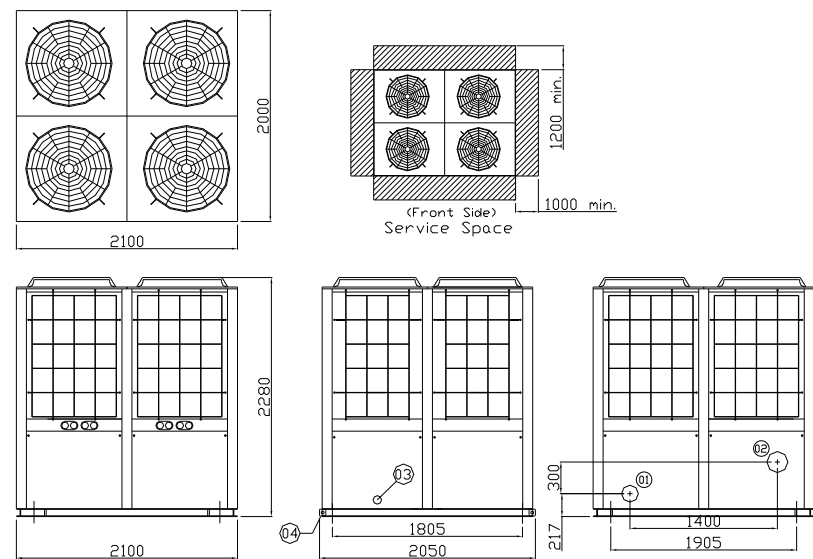
■ Specifications

Model			TCA-30EAK2B		TCA-30EAK2C		TCA-30EAK3B	
Power source			3ø 380/415V 50Hz					
Cooling Capacity		KW	87.9		87.9		87.9	
		Btu/hr	300,000		300,000		300,000	
Water flow rate		L/min	252		252		252	
Dimensions	Height	mm	2,012		2,120		2,000	
	Width	mm	2,000		2,000		3,000	
	Depth	mm	960		800		1,000	
Foundation holes pitches	Width	mm	1,954		1,938		1,402-1,402	
	Depth	mm	910		734		805	
Running Current	380V	A	67.8		67.8		58.5	
	415V	A	62.1		62.1		53.6	
Power Consumption		KW	38.5		38.5		32.8	
Compressor	Type		Hermetic Scroll		Semi-hermetic Scroll		Hermetic Scroll	
	Quantity		2		2		3	
	Capacity Step	%	100,50,0		100,50,0		100,67,33,0	
	Starting method		Sequence direct					
Fan	Type x Quantity		Propeller*2		Propeller*2		Propeller*3	
	Output	W	770*2		770*2		460*3	
Water Pump			3		3		3	
Condenser			Cross Fin Coil					
Evaporator			Shell and Tube					
Safety Devices			High & Low pressure switch, Anti-frozen protector, Internal overheat & overload protector, Compressor 3-minute protector, Reversal phase protector, Fusing plug					
Pipe	Chiller inlet/outlet		PT 2 1/2B		PT 2 1/2		PT 2 1/2	
	Draining		1B					
Refrigerant			R-22					
Weight		Kg	920		850		1250	

- Notes:
- Cooling capacity is based on: chiller water inlet temperature 12℃, outlet temperature 7℃; ambient temperature. 35℃DB/ 24℃WB, Fouling factor :0.0001m²℃/W
 - Operating limitation: ambient temperature 15℃~43℃; Chiller water temperature 5℃~16℃
 - Owing to technological advances, the above specifications might be updated without early notice.
 - If any other special specifications are needed, please notify our sales in advance.
 - 1KW=860 kcal/hr;1kcal/hr=3.968 Btu/hr.



TCA-40/50/60EAK4B



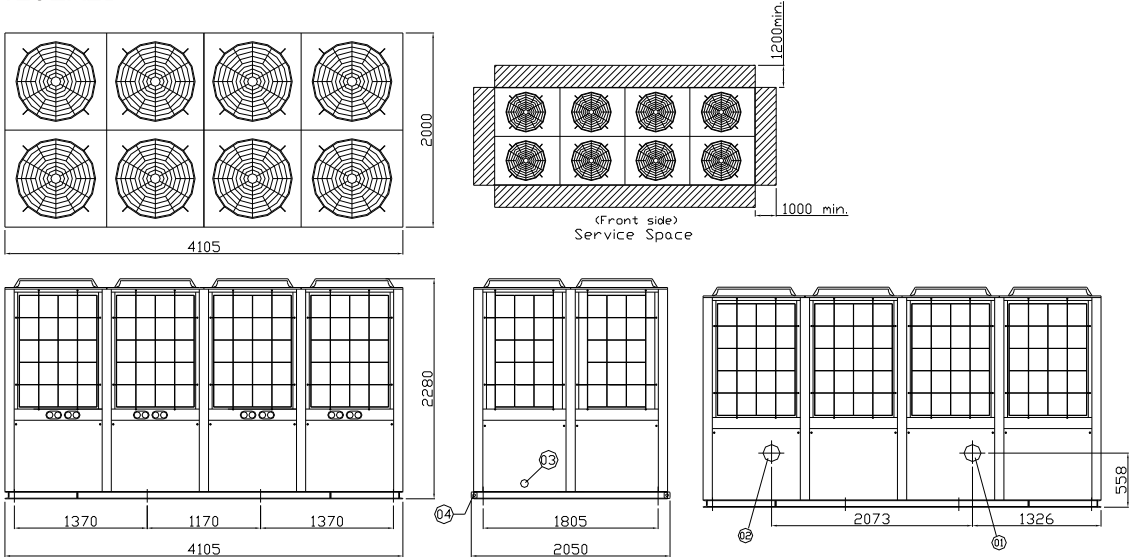
■Specifications

Model		TCA-40EAK4B	TCA-50EAK4B	TCA-60EAK4B
Power source		3ø 380/415V 50Hz		
Cooling Capacity	KW	117.2	146.5	175.8
	Btu/hr	400,000	500,000	600,000
Water flow rate	L/min	336	420	504
Dimensions	Height	mm	2,280	2,280
	Width	mm	2,100	2,100
	Depth	mm	2,050	2,050
Foundation holes pitches	Width	mm	1,905	1,905
	Depth	mm	1,805	1,805
Running Current	380V A	69.8	102.5	123.3
	415V A	63.9	93.9	112.9
Power Consumption	KW	38.5	52.7	69.1
Compressor	Type	Hermetic Scroll		Semi-hermetic scroll
	Quantity	4		
	Capacity Step %	100,75,50,25,0		
	Starting method	Sequence direct		
Fan	Type x Quantity	Propeller*4		
	Output W	460*4	770*4	770*4
Water Pump		Not included		
Condenser		Cross Fin Coil		
Evaporator		Shell and Tube		
Safety Devices		High & Low pressure switch, Anti-frozen protector, Internal overheat & overload protector, Compressor 3-minute protector, Reversal phase protector, Fusing plug		
Pipe	Chiller inlet/outlet	3B 10 kg/cm ² Flange	3B 10 kg/cm ² Flange	4B 10 kg/cm ² Flange
	Draining	—	—	—
Refrigerant		R-22		
Weight	Kg	1350	1450	1550

- Notes:
- Cooling capacity is based on: chiller water inlet temperature 12℃, outlet temperature 7℃; ambient temperature. 35℃DB/ 24℃WB,Fouling factor :0.0001m²℃/W
 - Operating limitation: ambient temperature 15℃~43℃; Chiller water temperature 5℃~16℃
 - Owing to technological advances, the above specifications might be updated without early notice.
 - If any other special specifications are needed, please notify our sales in advance.
 - 1KW=860 kcal/hr;1kcal/hr=3.968 Btu/hr.



TCA-80/100/120EA2B



■Specifications

Model		TCA-80EA2B	TCA-100EA2B	TCA-120EA2B
Power source		3ø 380/415V 50Hz		
Cooling Capacity	KW	234.4	293.0	351.7
	Btu/hr	800,000	1,000,000	1,200,000
Water flow rate	L/min	672	840	1008
Dimensions	Height	mm	2,280	2,280
	Width	mm	4,105	4,105
	Depth	mm	2,050	2,050
Foundation holes pitches	Width	mm	1,370-1,170-1,370	1,370-1,170-1,370
	Depth	mm	1,805	1,805
Running Current	380V A	144.4	174.9	207.5
	415V A	132.2	160.2	190
Power Consumption	KW	83.4	101	120
Compressor	Type	Semi-Hermetic Screw		
	Quantity	2		
	Capacity Step %	Sequence direct		
	Starting method	100,75,50,25,0		
Fan	Type x Quantity	Propeller*8	Propeller*8	Propeller*8
	Output W	460*8	770*8	770*8
Water Pump		--	--	--
Condenser		Cross Fin Coil		
Evaporator		Shell and Tube		
Safety Devices		High & Low pressure switch, Anti-frozen protector, Internal overheat & overload protector, Compressor 3-minute protector, Reversal phase protector, Fusing plug		
Pipe	Chiller inlet/outlet	4B 10 kg/cm ² Flange	4B 10 kg/cm ² Flange	5B 10 kg/cm ² Flange
	Draining	—	—	—
Refrigerant		R-22	R-22	R-22
Weight	Kg	3,200	3,700	3,800

- Notes:
- Cooling capacity is based on: chiller water inlet temperature 12℃, outlet temperature 7℃; ambient temperature. 35℃DB/ 24℃WB,Fouling factor :0.0001m²℃/W
 - Operating limitation: ambient temperature 15℃~43℃; Chiller water temperature 5℃~16℃
 - Owing to technological advances, the above specifications might be updated without early notice.
 - If any other special specifications are needed, please notify our sales in advance.
 - 1KW=860 kcal/hr;1kcal/hr=3.968 Btu/hr.



Air Handling Unit

Features:

- ▶ **Packaged type appearance design is convenient for installation and operation.**
- ▶ **Innovative fan system design makes low vibration and noise when the unit runs.**
- ▶ **TAV-5H~10H can be applied for free-blow type as well as ducted type.**
- ▶ **TAV-15,20H are used for ducted types while flow-blow types are optional.**
(Additional chamber is required.)

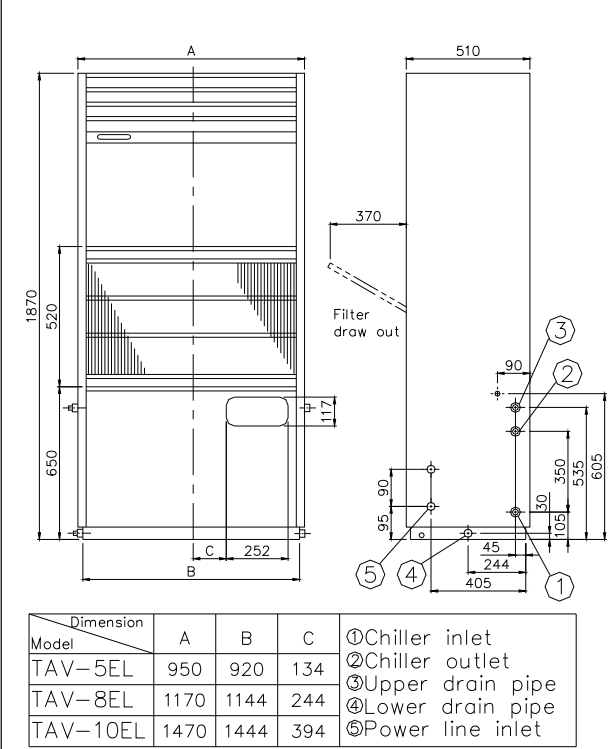
Specifications

Model		TAV-5EL	TAV-8EL	TAV-10EL	TAV-15EL	TAV-20EL	TAV-30EL
Power Source		3Ø 380/415V 50Hz					
Cooling capacity	KW	16.2	26.2	35.0	52.5	70	105
	Btu/hr	55,280	89,400	119,440	179,160	238,870	358,310
Head lose	l/min	50	75	100	150	200	300
Cooling water volume	mH ₂ O	2.5	2.7	2.5	3.0	3.2	4.0
Fan	Type	Multi-blade					
	Air Volume	m ³ /min	45	68	90	135	270
	Output	kW	0.142	0.5	0.75	2.2	5.5
	Chamber	Accessory			Optional		
External static pressure	Free blow	mmAq	0	0	0	0	—
	Ducted type	mmAq	10.5	12	12	21.5	30
Heat exchanger		Cross-fin coil					
Soundproof & heat insulation material		PU					
Piping	Cooling water pipe	1 1/4B	1 1/2B	1 1/2B	2B	2B	2 1/2B
	Draining pipe	1B	1B	1B	1B	1B	1B
DIM.	Height	mm	1,870	1,870	1,870	1,870	1,870
	Width	mm	950	1,170	1,470	1,810	1,760
	Depth	mm	510	510	510	720	1,050
Weight		Kg	130	180	240	300	450

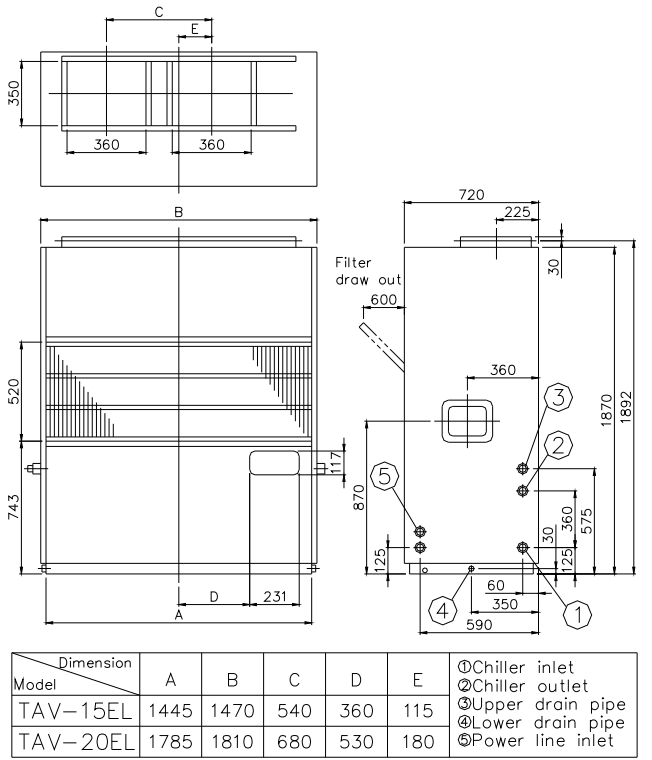
Notes:
1. Cooling capacity is determined at the condition of indoor air temperature 27°CDB / 19°C WB, entering chiller water temperature 7°C, and corresponding standard chiller water volume.
2. Owing to technological advances, the above specifications might be updated without early notice.

Dimensions

TAV-5EL / TAV-8EL / TAV-10EL



TAV-15EL / TAV-20EL



TAV-30EL

