



Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, ThermoKing® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$13 billion global business committed to a world of sustainable progress and enduring results.



trane.com ingersollrand.com

We are committed to using environmentally conscious print practices that reduce waste.

©2019 Ingersoll Rand IR00000 0

UNVF-00-201901-001



LET'S GO BEYOND™



GEN YUE 5+
DC INVERTER

GEN YUE FULL DC INVERTER

25.2kW-246.0kW



LET'S GO BEYOND™

For more than 100 years, Trane has been making buildings better, and now Trane is at an important strategic point in its history. We aim to continue making buildings better by...Going beyond the building as we have gone beyond our legacy of being one of the world's leading HVAC companies, to also being thought of as a leader in services, connected buildings, and energy and building management.

GEAQUE⁵⁺
DC INVERTER



Contents

01
Superior
Efficiency

03
High
Reliability

05
Absolute
Comfort

07
Convenient
Operation

11
Outdoor
Unit Line-Up

19
Indoor
Unit Line-Up

29
Fresh
Air System

31
Trane Service
System

Superior Efficiency



The IPLV(C) of the new GENYUE series is greatly improved up to 8.70



IPLV is calculated on the basis of testing the operating efficiency of the air conditioning unit under four different conditions. It not only reflects the multi-split system's operating efficiency under part-load conditions, but also brings about a unified test method, thus being able to demonstrate the multi-split system's energy saving property in a more reasonable manner.

All Inverter Compressor System Greatly Boosts Performance

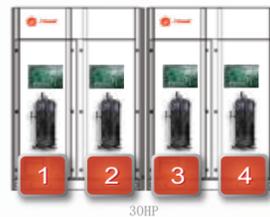
Secrets Of The More Comfortable All Variable Speed System

The GEN YUE series performance is substantially upgraded, and the inverter compressor effectively improves the system's self-adaptive adjusting capacity, enabling the system to reach the optimal operating state point of dynamic equilibrium and flexibly adjust output in line with load changes. For example, the 30HP system has two compressors for each module, so totally there are four inverter compressors.

On-demand Output Ensures High Efficiency And Energy Saving

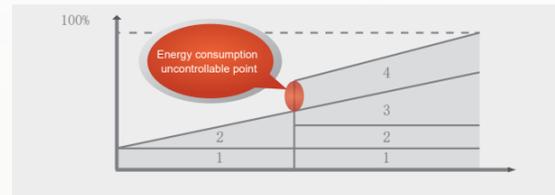
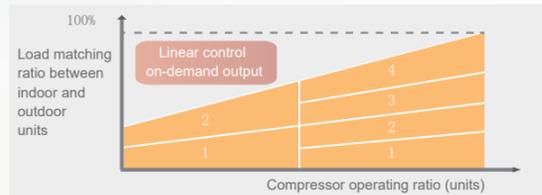
All variable speed system : The inverter compressors are simultaneously activated according to actual air conditioning needs, and they can fully meet the actual needs and enable on-demand output due to its adjustable capacity.

Non-variable speed system : As the output is not controllable, it is usually in excess of the demand at first, and then slowly approaches to the actual need, which inevitably causes energy waste.



Precise Temperature Control, Stable And Comfortable

- After the target room temperature is set, the air conditioner activates to make the room temperature approaching to the set value. A non-variable speed air conditioning system will stop operation immediately when reaching the set temperature, and starts again when the temperature deviates from the target to a certain extent, which will inevitably produce evident room temperature change and thus compromise perceived comfort level.
- When the room temperature reaches the set value, an inverter air conditioning system will adjust output by changing the speed of compressors, so the system will keep running to avoid temperature fluctuation in the room, thus ensuring a higher comfort level.



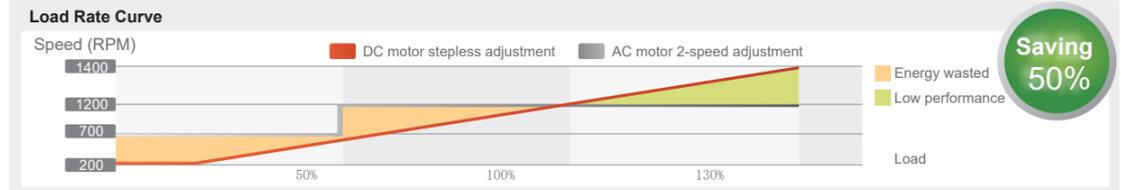
DC Brushless Fan Motor With Low Noise And High Efficiency

Compact Structure, More Efficient Under Low Load Operation

The outdoor unit features brushless DC motor and compact structure, which can optimize the operating state of the unit under different conditions and greatly improve the operating efficiency at low load.

Achieve Stepless Control

Compressor speed is adjusted according to the load change steplessly and with precision. Energy-saving effect is significantly more pronounced.



New High-Pressure Chamber Scroll Compressor Features Durability, Stability And High Efficiency

The scroll compressor fabricated with high precision features a high-strength spindle and a high-rigidity shell, which ensure superior reliability.



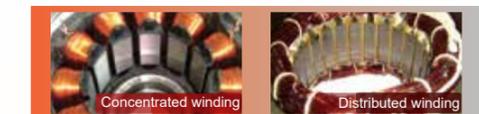
Neodymium Permanent Magnet Rotor

Compared with ordinary magnets, the neodymium magnet has powerful magnetic force, large magnetic torque and high efficiency.



Concentrated Winding

Magnetic efficiency is 12% higher than distributed winding



Advanced DC Inverter Technology

Thanks to the advanced DC inverter technology, the output current is smooth 180° sine wave curve, making the compressor running more smoothly, more quiet, and more efficient. At the same time, harmonic current and electromagnetic noise is effectively controlled, with the national EMC electromagnetic interference test passed. Cooling variable frequency drive through fresh air cooling mode requires no additional loss of refrigerant, improving the system efficiency, making the control system more stable and reliable, and ensuring the system running more efficiently and precisely.

180° Sine Wave

The force moment of the compressor driven by electric current presents a smooth curve

Low Energy Consumption

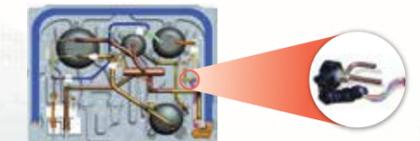
The force moment of the compressor driven by sine wave control current presents a smooth curve and the energy consumption is low

Low Noise

The force moment of the compressor driven by sine wave control current presents a smooth curve and the compressor noise is greatly reduced

Multiple Electronic Expansion Valves, Precise Temperature Control

The indoor and outdoor unit features a design of multiple electronic expansion valves that are connected in parallel in the system. The refrigerant flow is adjusted simultaneously according to the actual load requirement to achieve true on-demand adjustment and output. The result of precise temperature control is a comfortable indoor air environment. Indoor unit adopts mute type electronic expansion valve control.



High Reliability

Multiple Protection Function For More Stable System Operation

Protection 1: Real-time monitoring and automatic adjustment of operating status.

The important operating parameters of the compressor including discharge temperature, high and low pressure and running current would be monitored real-time by the control system, it will automatically adjust or initiate protective measures to ensure the system is safe and effective to operate.

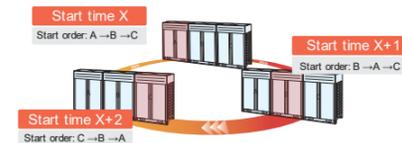
Protection 2: Perform emergency back-up operation when fault occurs.

When a single module compressor failure occurs or one module in one system requires maintenance, the system can continue stand-alone operations to guarantee uninterrupted indoor air conditioning effect, until the failure is rectified or maintenance is completed.



Protection 3: Balance compressor operation time to improve system stability.

The outdoor unit always gives priority to start the module with least total running time to balance running hours of different modules and ensure reliability of the whole system.



Easy Installation Of Outdoor Units

Choose from 4 directions: left, right, front or under, to connect refrigerant pipes according to actual conditions, for flexible and convenient design and installation of outdoor unit.



Static Pressure Of Outdoor Units Up To 85Pa

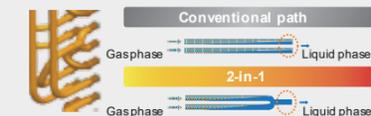
Thanks to the DC fan motor, external static pressure of the outdoor fan is adjustable up to maximum 85Pa, therefore the air flow won't be affected by the blinds or orifice plates in front of the outdoor unit.



Highly Efficient Heat Exchange Design For Outstanding Performance

2-in-1 Pipeline Design For Better Efficiency

Liquid refrigerant volume proportion in the condenser outlet is highly increased, allowing the indoor unit to produce more heat (or cool air).



Inner-Grooved Copper Tube For Better Efficiency

Adoption of inner-cross-grooved copper tube significantly increases the convective heat transfer coefficient, allowing sufficient heat exchange and improving heat exchanging efficiency.



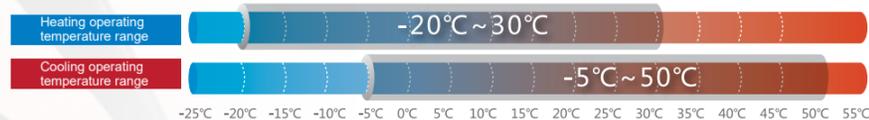
High-Efficiency Fins For Better Efficiency

Cross-flow decomposition fins have a larger heat exchanging area and lower air resistance than conventional fins, which greatly enhances heat exchanging efficiency, improves the frosting issue and make the whole system run more efficiently.



Wide Operating Range, Applicable For Different Regions With Different Climates In The Whole Country

Heating operating temperature range: -20~30 °C (outdoor); cooling operating temperature range: -5~50°C (outdoor)



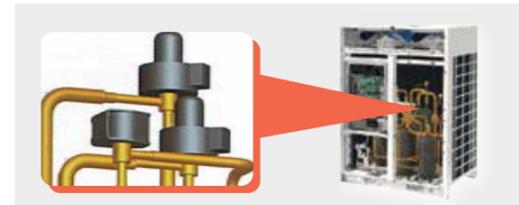
Compact Design And Light Weight

8/10HP 208kg 12/14/16HP 245/286/286kg 18/20/22HP 290/312/323kg



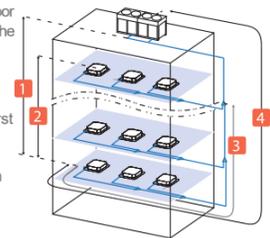
Dual Electronic Expansion Valve Design - Refrigerant Flow Control Is More Accurate And Reliable

- The outdoor unit is equipped with up to 960 steps dual electronic expansion valve, rendering the refrigerant flow adjustment to be even more precise.
- The liquid side is controlled by a solenoid valve bypass design to control compressor superheat and provide effective protection of the compressor, to maximize its efficiency, as well as ensure safe and reliable operation.



Extra Long Pipes For Flexible System Design

- Height difference between an outdoor and indoor unit is up to 70m (with the outdoor unit below)
- Height difference between indoor units is 15m
- The maximum distance from the first indoor distributor to the last indoor unit is 65m
- The longest pipe length between an outdoor and indoor unit is 200m
- The total pipe length is 1000m

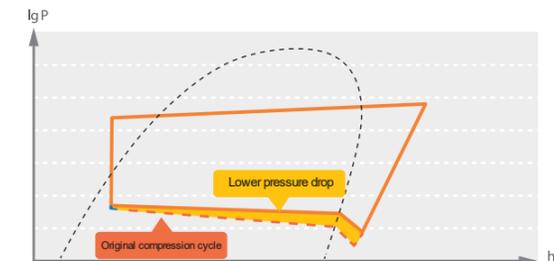


Note:

When the outdoor unit is below indoor units, the maximum vertical length from an indoor unit to the outdoor unit is 70m. When the outdoor unit is above indoor units, the maximum vertical length from an indoor unit to the outdoor unit is 50m.

New Refrigerant Pipeline Design Greatly Improves Heat Exchange Efficiency

New refrigerant pipeline design optimization helps reduce the piping pressure drop by 5%. Rise of evaporating temperature can further enhance cooling and heating efficiency.



3-level Oil Return, 5-step Oil Control

With smart oil level control technique, when the oil level of one compressor is too high, the excess lubricating oil can be collected into an oil separator through the oil even pipe to equalize oil level of each compressor.

For a multi-module combination system, an intelligent oil return program is adopted to ensure balance of oil levels between different modules to ensure the normal operation of the system.

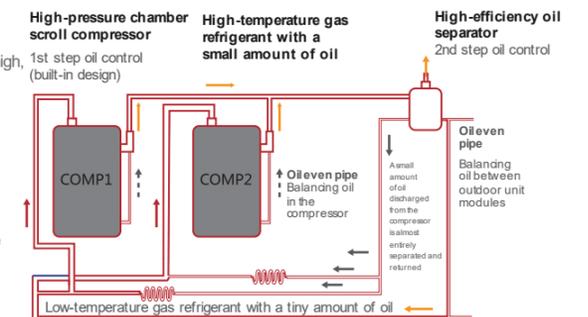
- GEN YUE has an intelligent oil return program and is equipped with an oil even pipe between each module in the system.
- The system can initiate the oil return program according to the real-time operating status, so as to balance oil levels between different modules, avoiding compressor fault or damage caused by shortage of oil.



Oil even pipe between modules



Intelligent oil return program



Oil separator
Separating efficiency up to 92%

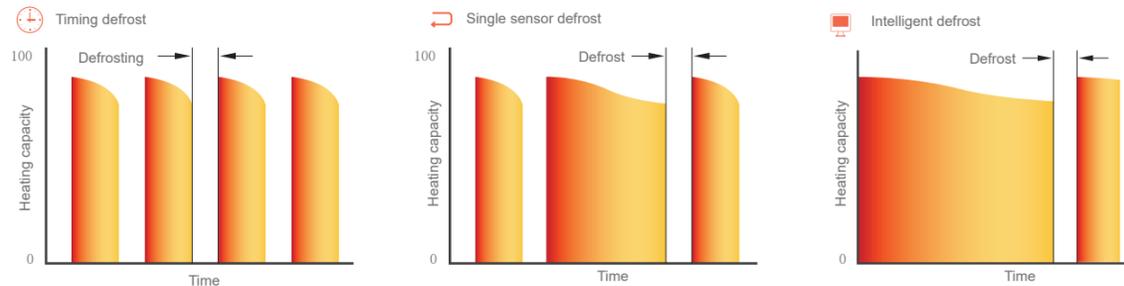


Oil level control
Compressor oil even pipe

Absolute Comfort

Intelligent Defrosting, Effectively Extending Heating Time

- The intelligent defrosting program determines whether to defrost on the basis of a collection of factors, including the environmental temperature, evaporation pressure, temperature changing rate and heating operating time.
- Effectively extends the running time of heating and avoids frequent and ineffective defrosting.



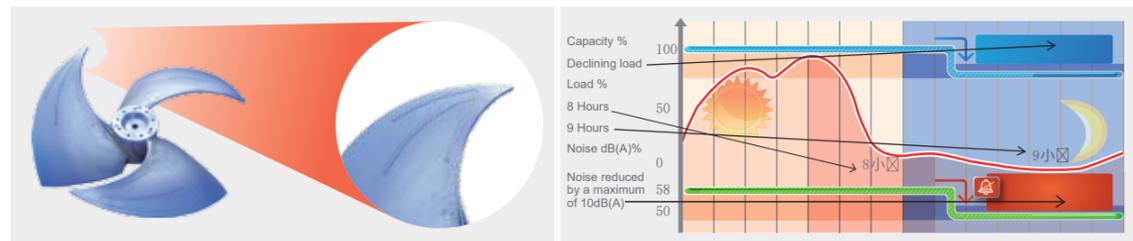
Quiet Technology For Comfort And Low Noise

Forward-swept Anti-vibration Axial Fan

Strengthened blade tips and thickness optimization of parts of blade front, reduced vibration and eddies formation. Especially, high-speed operation is rather stable, significantly reducing noise.

Human-friendly Silent Mode For Night Time

Particularly suitable for villas and high-end apartments, this technology automatically achieves reduction of the fan and compressor speeds by a maximum of 10 dB(A). It allows users to achieve maximum comfort and avoid disturbing neighbors.



Room Card For Electricity

Hotels are equipped with room card for electricity. In order to prevent air conditioning system malfunction caused by power outage of indoor units, we specially set up REMO_CTRL terminals to cooperate with room card for electricity switch through simple wiring, thus can prohibit indoor machine running without cutting off indoor unit power supply. That way it's perfect blended in hotel management system to achieve high efficiency and energy saving.



Insert room card for electricity to allow indoor unit operation

Reliable Control, Reliable Performance

Smart Snow Protection Control

The smart automatic snow protection function helps to lower the starting risk and ensure the system run stably and efficiently.

Smart Refrigerant Recover Control

The smart refrigerant recover control function can effectively cut down service cost and raise service efficiency, helping rid of faults quickly.

Multiple Kinds Of Outdoor Unit Operating Modes

Operating modes including cooling priority, heating priority, first starting priority, cooling only, heating only etc. fully cater to various kinds of special operation requirements.

Multi-level Protection Technologies

High and low pressure sensors synchronous control, compressor discharge superheat degree control, high temperature protection, inverter over-current protection, etc. not only enhance the system's reliability, but also ensure comfort.

Power Off Memory Function

When unexpected power outage occurs, the system will automatically store user information. When power restores, it will automatically restart and operate in accordance with the settings before power outage with no need to do resetting, thus bringing more intelligent services.

Automatic Address Searching Function

Outdoor units automatically assign indoor units addresses, which greatly simplifies the installation program. Users can do address query and setting to indoor units through the wired controller, making it easy for the setup of intelligent control system.

Intelligent Diagnosis Function

Users can easily obtain system operating status information through the wired controller or the LED display on the outdoor unit, and they can display fault immediately when failure occurs, which greatly simplifies operation management and reduces the maintenance time.

Code Dialing Setting Function

Based on their habits and actual demand, users can select operation mode through different code dialing combination, make air conditioning system management easier.

Environment Protection, Green Life

Fully Conforming To RoHS Directives

RoHS is a set of mandatory standards passed by the EU legislative body, fully titled "Restriction of Hazardous Substances Directive". It aims to eliminate lead, mercury, cadmium, hexavalent chromium, PBB and PBDE, totally 6 kinds of substances, from electrical and electronic equipment. It regulates material use, technique standards, recycling and recovery of electrical and electronic products, for the good of human health and environmental protection.

R410a Environment-friendly Refrigerant

The new refrigerant R410A is made up of hydrogen, fluorine and carbon, boasting numerous advantages including high stability, toxin free and excellent performance, etc. With a high cooling (heating) efficiency, it greatly boosts the system's air conditioning performance.

Indicator	Value
Ozone depletion potential (ODP)	0
Combustibility in air	0
Chemical and heat stability	High



Convenient Operation

Individual Control For Indoor Units (Standard/Optional)

- Each indoor unit can be separately controlled.
- 2 types of controllers, wireless and wired, cater to different requirements from customers.

Wireless controller

- Operating modes setting
- Temperature adjustment
- Air speed, air volume adjustment
- Timer setting
- Default scenario mode (Sleep, Turbo, Comfort)
- On/off timer setting
- Louver position setting
- Indoor unit address setting and inquiring
- Kids lock function
- Night lighting function



Wired controller

- User-friendly LCD screen and background lighting design
- Operating modes setting
- Temperature adjustment
- Air speed, air volume adjustment
- Timer setting
- On/off timer setting
- Failure code display
- Indoor unit address setting and inquiring



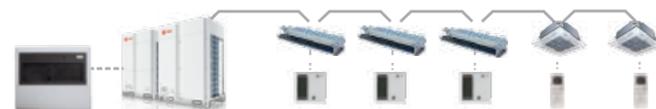
MC-20 Centralized System Control (Optional)

Central controllers are used to perform centralized control and data inquiring on air conditioning systems. Each controller can connect up to 64 indoor units, and all these indoor units may belong to the same system, or multiple systems. The connection is of a wired manner (RS485), via which a centralized control of air conditioning units in the whole system is achieved.



Central controllers can be selected by customers on demand. One central controller can control up to 64 indoor units, and perform different kinds of central or individual control on all the connected indoor units.

- Air conditioner status inquiry
- Failure code display
- Unified control interface
- Central or individual adjustment of temperature, air speed and operation mode
- System operation mode lock-up



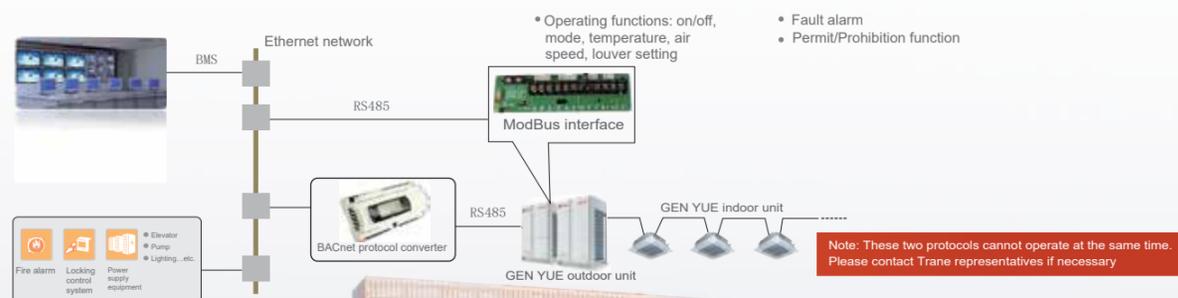
Open Protocol System

ModBus Protocol (Optional)

Outdoor unit can be equipped with ModBus/RTU protocol output which is convenient for connection to a third party operating system (such as smart home).

BACnet Protocol Converters (Optional)

Can connect upto six sets of outdoor units, 128 sets of indoor units BMS (Building Automation System) supports BACnet IP&MS/TP, and interlocks air conditioning and the third party equipment operation through indoor and outdoor unit connection.



Gen - Net Air Conditioning Management System

With an intelligent management system built in, the management system host is the core of the air conditioning centralized management system, featuring functions such as equipment management, energy management, schedule management, external access management, etc. Based on application sites and needs, the hosts are divided into touch-screen version and modular version; if the capacity of units connected is considered, a common version and expanded version are provided. Through the operation interface coming with the touch-screen management system host, users can perform all management functions of the whole air conditioning system on the touch screen without the need of adding computers, thus saving costs.

Unit quantity	Touch-screen expanded version TCMT560	Touch-screen common version TCMT180	Modular expanded version TCMN560	Modular common version TCMN180
Outdoor unit (system)	32	4	32	4
Indoor unit	560	180	560	180



TCMT560AC01C

Can connect up to 560 indoor units and 32 outdoor units, the touch-screen LCD system manager brings you superbly convenient and fast control experience.

- 15 inch large touch screen control
- Energy management
- Daily settings such as temperature control, etc.
- Remote control
- Multi-language setting
- Individual and central control
- Week/Month/Day schedule setting
- Household billing
- Authority management
- Operation record display
- Interlocking control of fire alarm, door lock
- Failure alarm

Touch - Screen Management System Host

A variety of operating mode is available for the touch screen manager. It can be installed on the wall on the work station in the operation control room.



Operating mode:

1. Touch screen operation is simple and convenient.
2. Touch screen devices has USB interfaces which can be connected directly to the keyboard and mouse to operate.

Software available in English

Convenient Operation

Able To Meet Demand Of Different Project Scales

Touch Control Operation System

Touch screen operation system is suitable for small and medium-sized occasions. Centralized control can be realized via a control device with simple wiring.

- 15 inch large touch-screen control
- Energy management
- Daily settings such as temperature control, etc.
- Remote control
- Multi-language setting
- Individual and central control
- Week/Month/Day schedule setting
- Household billing
- Authority management
- Operation record display
- Interlocking control of fire alarm, door lock
- Failure alarm

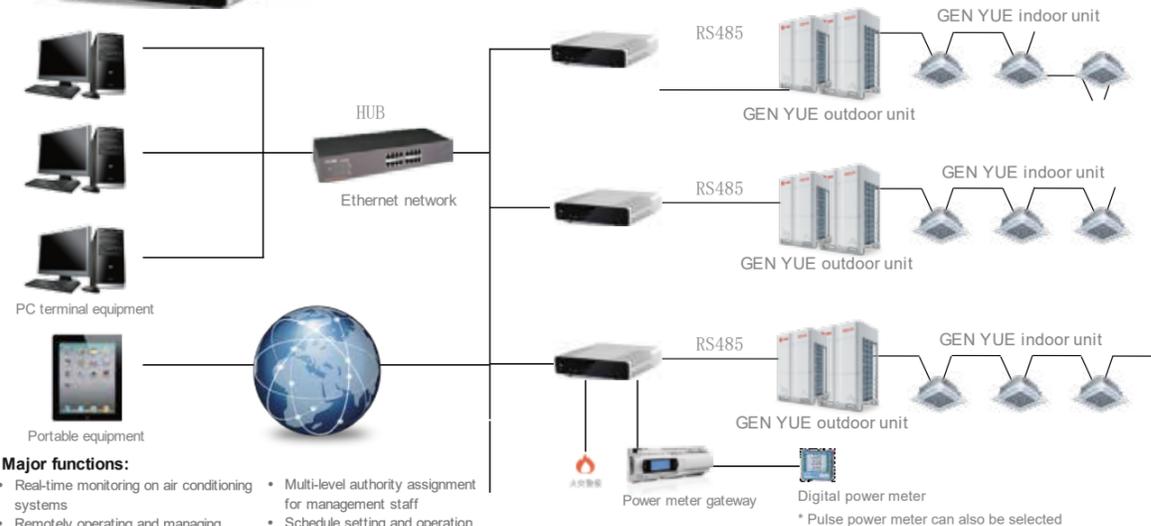


Air conditioning online diagnosis system



Modular Control Operating System

Modular operating system is applicable to large buildings or commercial buildings. One or more control equipment can be combined with simple wiring to achieve the overall control of large air conditioning system.



Major functions:

- Real-time monitoring on air conditioning systems
- Remotely operating and managing air conditioning systems
- Interlocking control of fire alarm, door lock and other external signals
- User's on-site controller lock-up function
- Multi-level authority assignment for management staff
- Schedule setting and operation management
- Household billing and energy management
- Operation log, history data and trend inquiry
- Report generation and printing

VRFAir Conditioning System Operation Optimization And Management Efficiency, Reduces Energy Consumption Of Buildings As A Whole

Scheduled On/Off

- On - Pre-scheduled operation brings comfortable temperature from the beginning of a day
- Off - Avoid waste of electricity when staff forget to turn off the air conditioning

Classify According To The Tenant, Floor And Building

- It's time consuming to find a specific unit in hundreds of indoor units. Various kinds of classification help improve the efficiency of the query.

Emergency Stop Control (Fire Alarm)

- All indoor units automatically stop when fire alarm occurs in the building.

Prohibit Indoor Unit Operation

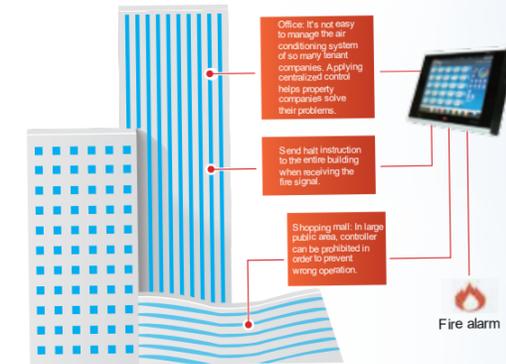
- More frequency change indoor unit set will cause energy loss or impact other indoor unit operating system
- Can ban specific remote control operation unit at public areas (lobby/corridor/elevator hall)

Schedule Management

- In order to facilitate effective control of air-conditioning equipment, GEN - NET system provides the schedule management function. Users can schedule according to the demand, to the days, weeks, months, years, or any special date to realize 24 hours control of air-conditioning equipment, avoid air conditioning long time running because of personal reasons.

Permission Setting

- GEN-NET system supports multiple users logging in locally or remotely. The system administrator can set system login user name, password and access to directly manage users.



Tendency analysis

GEN-NET intelligent control system can provide any air conditioner equipment operating data in the analysis system, and map it with curves so that users can get a more intuitive analysis of equipment running status.



Air Conditioning Electricity Charge System

Trane's household air conditioning billing system is composed of a household bill calculation system and an air conditioning management system. The former collects a series of operation parameters including indoor and outdoor units' capacities, operating time, operating mode and electronic expansion valve opening, etc., then processes the data collected using a built-in algorithm and allocates the outdoor unit's power consumption to each indoor unit in a reasonable manner.

GEN-NET system provides time-division or fixed electricity charge for users to choose from. It can set electricity charge per hour separately and automatically generate electricity bill, improving management efficiency.



Extensive Outdoor Unit Line-Up

Maximum Of 4 Module Combination, Single System Up To 88HP

The GEN YUE series boasts an extensive product line-up. 41 models of outdoor units range from 8 to 88HP, with each one's capacity increasing progressively by 2HP. With outstanding flexibility, the system well caters to air conditioning needs from different kinds of applications. Configuration based on need can effectively reduce design and installation cost.



Outdoor Unit Line-up__Model And Module Combination

Capacity HP	Model	Module Combination							
		8	10	12	14	16	18	20	22
8	TMR080ADB	●							
10	TMR100ADB		●						
12	TMR120ADB			●					
14	TMR140ADB				●				
16	TMR160ADB					●			
18	TMR180ADB						●		
20	TMR200ADB							●	
22	TMR220ADB								●
24	TMR240ADB			●●					
26	TMR260ADB		●			●			
28	TMR280ADB			●		●			
30	TMR300ADB				●	●			
32	TMR320ADB					●●			
34	TMR340ADB					●	●		
36	TMR360ADB					●		●	
38	TMR380ADB					●			●
40	TMR400ADB						●●		
42	TMR420ADB						●		●
44	TMR440ADB							●●	
46	TMR460ADB				●	●●			
48	TMR480ADB				●●●	●●			
50	TMR500ADB				●●	●	●		
52	TMR520ADB				●●		●		
54	TMR540ADB				●●			●	
56	TMR560ADB				●			●●	
58	TMR580ADB				●		●	●	

Capacity HP	Model	Module Combination							
		8	10	12	14	16	18	20	22
60	TMR600ADB					●			●●
62	TMR620ADB							●●	●
64	TMR640ADB							●	●●
66	TMR660ADB								●●●
68	TMR680ADB					●●●		●	
70	TMR700ADB					●●●			●
72	TMR720ADB					●●		●●	
74	TMR740ADB					●●		●	●
76	TMR760ADB					●●			●●
78	TMR780ADB					●		●●	●
80	TMR800ADB					●		●	●●
82	TMR820ADB					●			●●●
84	TMR840ADB							●●	●●
86	TMR860ADB							●	●●●
88	TMR880ADB								●●●●

Note: The above are the standard combinations recommended.

Capacity HP	Model	Module Combination				
		8	10	12	14	16
8	TMR080ADB	●				
10	TMR100ADB		●			
12	TMR120ADB			●		
14	TMR140ADB				●	
16	TMR160ADB					●
18	TMR181ADB	●	●			
20	TMR201ADB		●●			
22	TMR221ADB		●	●		
34	TMR341ADB		●●		●	
36	TMR361ADB		●●			●
38	TMR381ADB		●	●		●
40	TMR401ADB		●		●	●
42	TMR421ADB		●			●●
44	TMR441ADB			●		●●
50	TMR501ADB	●	●			●●
52	TMR521ADB		●●			●●
54	TMR541ADB		●	●		●●
56	TMR561ADB		●		●	●●
58	TMR581ADB		●			●●●
60	TMR601ADB			●		●●●
62	TMR621ADB				●	●●●
64	TMR641ADB					●●●●

Note: The above are the high efficiency combinations.

Extensive Outdoor Unit Line-Up



HP		8	10	12	14	16	18	20	22
Model		TMR080ADB	TMR100ADB	TMR120ADB	TMR140ADB	TMR160ADB	TMR180ADB	TMR200ADB	TMR220ADB
Power supply		380V~50Hz~3Ph							
Cooling Capacity	kW	25.2	28	33.5	40	45	50	56	61.5
Heating Capacity	kW	27.4	31.5	37.5	45	50	56	60	60
Input Power	Cooling	6.6	7.6	9.5	11.7	14	14.7	17.9	19
	Heating	6.5	7.5	9.3	11.8	13.8	14.7	16.6	17.6
COP		4.22	4.20	4.03	3.81	3.62	3.81	3.61	3.41
IPLV		8.70	8.50	8.45	8.25	8.00	7.20	7.05	7.00
Max. no. of connectable indoor units		12	14	16	18	20	22	24	26
Dimensions	H x W x D	1620x970x796		1620x1260x796			1620x1349x796		
Weight		208		245	286		290	312	323
Fan	Air flow	12,000		15,000			16,000		
	Max. static pressure	85					40		
Operation noise		59	61	63			65		
Operation range	Cooling	-5°C ~ 50°C							
	Heating	-20°C ~ 30°C							
Refrigerant	Type	R410A							
	Charging amount	10		12	16		16.5		17
Chiller oil		FV-68H							
Connecting pipe	Liquid	Ø 12.7(Flare connection)			Ø 15.9(Flare connection)				
	Gas	Ø 22.2 (Braze connection)	Ø 25.4 (Braze connection)	Ø 28.6(Braze connection)			Ø 31.8(Braze connection)		

HP		34		36		38	
Model(combination unit)		TMR340ADB	TMR341ADB	TMR360ADB	TMR361ADB	TMR380ADB	TMR381ADB
Combination method		160+180	100+100+140	160+200	100+100+160	160+220	100+120+160
Power supply		380V~50Hz~3Ph					
Cooling Capacity	kW	95	96	101	101	106.5	106.5
Heating Capacity	kW	106	108	110	113	110	119
Input Power	Cooling	28.7	26.9	31.9	29.2	33	31.1
	Heating	28.5	26.8	30.4	28.8	31.4	30.6
COP		3.72	4.03	3.62	3.92	3.50	3.89
Max. no. of connectable indoor units		38	38	40	40	42	42
Dimensions	H	1620					
	W	1260+1349	970+970+1260	1260+1349	970+970+1260	1260+1349	970+1260+1260
	D	796					
Weight		286+290	208+208+286	286+312	208+208+286	286+323	208+245+286
Fan	Air flow	15,000+16,000	12,000x2+15,000	15,000+16,000	12,000x2+15,000	15,000+16,000	12,000x2+15,000
	Max. static pressure	40	85	40	85	40	85
Operation noise		67					
Operation range	Cooling	-5°C ~ 50°C					
	Heating	-20°C ~ 30°C					
Refrigerant	Type	R410A					
	Charging amount	16+16	10+10+16	16+16.5	10+10+16	16+17	10+12+16
Chiller oil		FV-68H					
Connecting pipe	Liquid	Ø 19.1 (Flare connection)					
	Gas	φ 38.1 (Braze connection)	Ø 41.3 (Braze connection)	Ø 38.1 (Braze connection)	Ø 41.3 (Braze connection)	Ø 38.1 (Braze connection)	Ø 41.3 (Braze connection)

HP		18	20	22	24	26	28	30	32
Model(combination unit)		TMR181ADB	TMR201ADB	TMR221ADB	TMR240ADB	TMR260ADB	TMR280ADB	TMR300ADB	TMR320ADB
Combination method		80+100	100+100	100+120	120+120	100+160	120+160	140+160	160+160
Power supply		380V~50Hz~3Ph							
Cooling Capacity	kW	53.2	56	61.5	67	73	78.5	85	90
Heating Capacity	kW	58.9	63	69	75	81.5	87.5	95	100
Input Power	Cooling	14.2	15.2	17.1	19	21.6	23.5	25.7	28
	Heating	14	15	16.8	18.6	21.3	23.1	25.6	27.6
COP		4.21	4.20	4.11	4.03	3.83	3.79	3.71	3.62
Max. no. of connectable indoor units		22	24	26	28	30	32	34	36
Dimensions	H	1620							
	W	970+970	970+1260		1260+1260		970+1260		1260+1260
	D	796	796	796	796	796	796	796	796
Weight		208+208		208+245	245+245	208+286	245+286	286+286	286+286
Fan	Air flow	12,000x2		15,000x2	12,000+15,000		15,000x2	15,000x2	15,000x2
	Max. static pressure	85							
Operation noise		64	65	66	66	65	66		
Operation range	Cooling	-5°C ~ 50°C							
	Heating	-20°C ~ 30°C							
Refrigerant	Type	R410A							
	Charging amount	10+10	10+12	12+12	10+16	12+16	16+16	16+16	
Chiller oil		FV-68H							
Connecting pipe	Liquid	Ø 15.9 (Flare connection)			Ø 19.1 (Flare connection)				
	Gas	Ø 31.8 (Braze connection)			Ø 34.9 (Braze connection)				

HP		40		42	
Model(combination unit)		TMR400ADB	TMR401ADB	TMR420ADB	TMR421ADB
Combination method		200+200	100+140+160	200+220	100+160+160
Power supply		380V~50Hz~3Ph			
Cooling Capacity	kW	112	113	117.5	118
Heating Capacity	kW	120	126.5	120	131.5
Input Power	Cooling	35.8	33.3	36.9	35.6
	Heating	33.2	33.1	34.2	35.1
COP		3.61	3.82	3.51	3.75
Max. no. of connectable indoor units		44	44	46	46
Dimensions	H	1620			
	W	1349+1349	970+1260+1260	1349+1349	970+1260+1260
	D	796			
Weight		312+312	208+286+286	312+323	208+286+286
Fan	Air flow	16,000x2	12,000+15,000x2	16,000x2	12,000+15,000x2
	Max. static pressure	40	85	40	85
Operation noise		68	67	68	67
Operation range	Cooling	-5°C ~ 50°C			
	Heating	-20°C ~ 30°C			
Refrigerant	Type	R410A			
	Charging amount	16.5+16.5	10+16+16	16.5+17	10+16+16
Chiller oil		FV-68H			
Connecting pipe	Liquid	Ø 19.1 (Flare connection)			
	Gas	Ø 38.1 (Braze connection)	Ø 41.3 (Braze connection)	Ø 38.1 (Braze connection)	Ø 41.3 (Braze connection)

- Design of the units conforms to GB/T 18837-2015 standards.
- Cooling conditions: indoor temperature—27°CDB, 19°CWB, outdoor temperature—35°CDB; heating conditions: indoor temperature—20°CDB, 15°CWB, outdoor temperature—7°CDB, 6°CWB.
- The operation noise herein is the value measured in a semi-anechoic room.
- When pipe length exceeds 90m, the pipe diameter may change, so please strictly refer to pipe diameter illustrations in the GEN YUE technical manual.
- For engineering design, due to the difference of operating environments, please refer to the related chapters in the user's manual attached with the unit for electrical specifications.

- Design of the units conforms to GB/T 18837-2015 standards.
- Cooling conditions: indoor temperature—27°CDB, 19°CWB, outdoor temperature—35°CDB; heating conditions: indoor temperature—20°CDB, 15°CWB, outdoor temperature—7°CDB, 6°CWB.
- The operation noise herein is the value measured in a semi-anechoic room.
- When pipe length exceeds 90m, the pipe diameter may change, so please strictly refer to pipe diameter illustrations in the GEN YUE technical manual.
- For engineering design, due to the difference of operating environments, please refer to the related chapters in the user's manual attached with the unit for electrical specifications.

Extensive Outdoor Unit Line-Up



HP			44		46		48		
Model(combination unit)			TMR440ADB	TMR441ADB	TMR460ADB	TMR480ADB			
Combination method			220+220	120+160+160	140+160+160	160+160+160			
Power supply			380V~50Hz~3Ph						
Cooling Capacity		kW	123	123.5	130	135			
Heating Capacity		kW	120	137.5	145	150			
Input Power	Cooling	kW	38	37.5	39.7	42			
	Heating	kW	35.2	36.9	39.4	41.4			
COP			3.41	3.73	3.68	3.62			
Max. no. of connectable indoor units			48	48	50	52			
Dimensions	H	mm	1620	1620	1620	1620			
	W	mm	1349+1349	1260+970+1260	1260+1260+1260	1260+1260+1260			
	D	mm	796	796	796	796			
Weight		kg	323+323	245+286+286	286+286+286	286+286+286			
Fan	Air flow	m ³ /h	16,000x2	12,000+15,000x2	15,000x3				
	Max. static pressure	Pa	40		85				
Operation noise		dB(A)	68						
Operation range	Cooling		-5°C ~ 50°C						
	Heating		-20°C ~ 30°C						
Refrigerant		Type	R410A						
Charging amount		kg	17+17	12+16+16	16+16+16	16+16+16			
Chiller oil			Type FV-68H						
Connecting pipe	Liquid	mm	Ø 19.1 (Flare connection)		Ø 19.1 (Flare connection)				
	Gas	mm	Ø 38.1 (Brazing connection)	Ø 41.3 (Brazing connection)	Ø 38.1 (Brazing connection)				

HP			54		56	
Model(combination unit)			TMR540ADB	TMR541ADB	TMR560ADB	TMR561ADB
Combination method			160+160+220	100+120+160+160	160+200+200	100+140+160+160
Power supply			380V~50Hz~3Ph			
Cooling Capacity		kW	151.5	151.5	157	158
Heating Capacity		kW	160	169	170	176.5
Input Power	Cooling	kW	47	45.1	49.8	47.3
	Heating	kW	45.2	44.4	47	46.9
COP			3.54	3.81	3.62	3.76
Max. no. of connectable indoor units			58		60	
Dimensions	H	mm	1620	1620	1620	1620
	W	mm	1260+1260+1349	970+1260+1260+1260	1260+1349+1349	970+1260+1260+1260
	D	mm	796	796	796	796
Weight		kg	286+286+323	208+245+286+286	286+312+312	208+286+286+286
Fan	Air flow	m ³ /h	15,000x2+16,000	12,000+15,000x3	15,000+16,000x2	12,000+15,000x3
	Max. static pressure	Pa	40	85	40	85
Operation noise		dB(A)	69			
Operation range	Cooling		-5°C ~ 50°C			
	Heating		-20°C ~ 30°C			
Refrigerant		Type	R410A			
Charging amount		kg	16+16+17	10+12+16+16	16+16.5+16.5	10+16+16+16
Chiller oil			Type FV-68H			
Connecting pipe	Liquid	mm	Ø 22.2 (Flare connection)			
	Gas	mm	Ø 44.5 (Brazing connection)			

HP			50		52	
Model(combination unit)			TMR500ADB	TMR501ADB	TMR520ADB	TMR521ADB
Combination method			160+160+180	80+100+160+160	160+160+200	100+100+160+160
Power supply			380V~50Hz~3Ph			
Cooling Capacity		kW	140	143.2	146	146
Heating Capacity		kW	156	158.9	160	163
Input Power	Cooling	kW	42.7	42.2	45.9	43.2
	Heating	kW	42.3	41.6	44.2	42.6
COP			3.69	3.82	3.62	3.83
Max. no. of connectable indoor units			54	54	56	56
Dimensions	H	mm	1620	1620	1620	1620
	W	mm	1260+1260+1349	970+970+1260+1260	1260+1260+1349	970+970+1260+1260
	D	mm	796	796	796	796
Weight		kg	286+286+290	208+208+286+286	286+286+312	208+208+286+286
Fan	Air flow	m ³ /h	15,000x2+16,000	12,000x2+15,000x2	15,000x2+16,000	12,000x2+15,000x2
	Max. static pressure	Pa	85		40	85
Operation noise		dB(A)	69			
Operation range	Cooling		-5°C ~ 50°C			
	Heating		-20°C ~ 30°C			
Refrigerant		Type	R410A			
Charging amount		kg	16+16+16	10+10+16+16	16+16+16.5	10+10+16+16
Chiller oil			Type FV-68H			
Connecting pipe	Liquid	mm	Ø 22.2 (Flare connection)			
	Gas	mm	Ø 44.5 (Brazing connection)			

HP			58		60	
Model(combination unit)			TMR580ADB	TMR581ADB	TMR600ADB	TMR601ADB
Combination method			160+200+220	100+160+160+160	160+220+220	120+160+160+160
Power supply			380V~50Hz~3Ph			
Cooling Capacity		kW	162.5	163	168	168.5
Heating Capacity		kW	170	181.5	170	187.5
Input Power	Cooling	kW	50.9	49.6	52	51.5
	Heating	kW	48	48.9	49	50.7
COP			3.54	3.71	3.47	3.7
Max. no. of connectable indoor units			60			
Dimensions	H	mm	1620	1620	1620	1620
	W	mm	1260+1349+1349	970+1260+1260+1260	1260+1349+1349	1260+1260+1260+1260
	D	mm	796	796	796	796
Weight		kg	286+312+323	208+286+286+286	286+323+323	245+286+286+286
Fan	Air flow	m ³ /h	15,000+16,000x2	12,000+15,000x3	15,000+16,000x2	15,000x4
	Max. static pressure	Pa	40	85	40	85
Operation noise		dB(A)	69			
Operation range	Cooling		-5°C ~ 50°C			
	Heating		-20°C ~ 30°C			
Refrigerant		Type	R410A			
Charging amount		kg	16+16.5+17	10+16+16+16	16+17+17	12+16+16+16
Chiller oil			Type FV-68H			
Connecting pipe	Liquid	mm	Ø 22.2 (Flare connection)			
	Gas	mm	Ø 44.5 (Brazing connection)			

1. Design of the units conforms to GB/T 18837-2015 standards.
 2. Cooling conditions: indoor temperature—27°CDB, 19°CWB, outdoor temperature—35°CDB; heating conditions: indoor temperature—20°CDB, 15°CWB, outdoor temperature—7°CDB, 6°CWB.
 3. The operation noise herein is the value measured in a semi-anechoic room.
 4. When pipe length exceeds 90m, the pipe diameter may change, so please strictly refer to pipe diameter illustrations in the GEN YUE technical manual.
 5. For engineering design, due to the difference of operating environments, please refer to the related chapters in the user's manual attached with the unit for electrical specifications.

1. Design of the units conforms to GB/T 18837-2015 standards.
 2. Cooling conditions: indoor temperature—27°CDB, 19°CWB, outdoor temperature—35°CDB; heating conditions: indoor temperature—20°CDB, 15°CWB, outdoor temperature—7°CDB, 6°CWB.
 3. The operation noise herein is the value measured in a semi-anechoic room.
 4. When pipe length exceeds 90m, the pipe diameter may change, so please strictly refer to pipe diameter illustrations in the GEN YUE technical manual.
 5. For engineering design, due to the difference of operating environments, please refer to the related chapters in the user's manual attached with the unit for electrical specifications.

Extensive Outdoor Unit Line-Up



HP			62		64	
Model(combination unit)			TMR620ADB	TMR621ADB	TMR640ADB	TMR641ADB
Combination method			200+200+220	140+160+160+160	200+220+220	160+160+160+160
Power supply			380V~50Hz~3Ph			
Cooling Capacity		kW	173.5	175	179	180
Heating Capacity		kW	180	195	180	200
Input Power	Cooling	kW	54.8	53.7	55.9	56.0
	Heating	kW	50.8	53.2	51.8	55.2
COP			3.54	3.67	3.47	3.62
Max. no. of connectable indoor units			60			
Dimensions	H	mm	1620	1620	1620	1620
	W	mm	1349+1349+1349	1260+1260+1260+1260	1349+1349+1349	1260+1260+1260+1260
	D	mm	796	796	796	796
Weight		kg	312+312+323	286+286+286+286	312+323+323	286+286+286+286
Fan	Air flow	m ³ /h	16,000x3	15,000x4	16,000x3	15,000x4
	Max. static pressure	Pa	40	85	40	85
Operation noise		dB(A)	70			
Operation range	Cooling		-5°C ~ 50°C			
	Heating		-20°C ~ 30°C			
Refrigerant	Type		R410A			
	Charging amount	kg	16.5+16.5+17	16+16+16+16	16.5+17+17	16+16+16+16
Chiller oil		Type	FV-68H			
Connecting pipe	Liquid	mm	Ø 22.2 (Flare connection)			
	Gas	mm	Ø 44.5 (Brazing connection)			

HP			74	76	78	80
Model(combination unit)			TMR740ADB	TMR760ADB	TMR780ADB	TMR800ADB
Combination method			160+160+200+220	160+160+220+220	160+200+200+220	160+200+220+220
Power supply			380V~50Hz~3Ph			
Cooling Capacity		kW	207.5	213	218.5	224
Heating Capacity		kW	220	220	230	230
Input Power	Cooling	kW	64.9	66	68.8	69.9
	Heating	kW	61.8	62.8	64.6	65.6
COP			3.56	3.50	3.56	3.51
Max. no. of connectable indoor units			60			
Dimensions	H	mm	1620	1620	1620	1620
	W	mm	1260+1260+1349+1349	1260+1260+1349+1349	1260+1349+1349+1349	1260+1349+1349+1349
	D	mm	796	796	796	796
Weight		kg	286+286+312+323	286+286+323+323	286+312+312+323	286+312+323+323
Fan	Air flow	m ³ /h	15,000x2+16,000x2		15,000+16,000x3	
	Max. static pressure	Pa	40			
Operation noise		dB(A)	70		71	
Operation range	Cooling		-5°C ~ 50°C			
	Heating		-20°C ~ 30°C			
Refrigerant	Type		R410A			
	Charging amount	kg	16+16+16.5+17	16+16+17+17	16+16.5+16.5+17	16+16.5+17+17
Chiller oil		Type	FV-68H			
Connecting pipe	Liquid	mm	Ø 25.4 (Flare connection)			
	Gas	mm	Ø 54 (Brazing connection)			

HP			66	68	70	72
Model(combination unit)			TMR660ADB	TMR680ADB	TMR700ADB	TMR720ADB
Combination method			220+220+220	160+160+160+200	160+160+160+220	160+160+200+200
Power supply			380V~50Hz~3Ph			
Cooling Capacity		kW	184.5	191	196.5	202
Heating Capacity		kW	180	210	210	220
Input Power	Cooling	kW	57	59.9	61	63.8
	Heating	kW	52.8	58	59	60.8
COP			3.41	3.62	3.56	3.62
Max. no. of connectable indoor units			60			
Dimensions	H	mm	1620			
	W	mm	1349+1349+1349	1260+1260+1260+1349	1260+1260+1260+1349	1260+1260+1349+1349
	D	mm	796	796	796	796
Weight		kg	323+323+323	286+286+286+312	286+286+286+323	286+286+312+312
Fan	Air flow	m ³ /h	16,000x3	15,000x3+16,000		15,000x2+16,000x2
	Max. static pressure	Pa	40			
Operation noise		dB(A)	70			
Operation range	Cooling		-5°C ~ 50°C			
	Heating		-20°C ~ 30°C			
Refrigerant	Type		R410A			
	Charging amount	kg	17+17+17	16+16+16+16.5	16+16+16+17	16+16+16.5+16.5
Chiller oil		Type	FV-68H			
Connecting pipe	Liquid	mm	Ø 25.4 (Flare connection)			
	Gas	mm	Ø 44.5 (Brazing connection)			

HP			82	84	86	88
Model(combination unit)			TMR820ADB	TMR840ADB	TMR860ADB	TMR880ADB
Combination method			160+220+220+220	200+200+220+220	200+220+220+220	220+220+220+220
Power supply			380V~50Hz~3Ph			
Cooling Capacity		kW	229.5	235	240.5	246
Heating Capacity		kW	230	240	240	240
Input Power	Cooling	kW	71	73.8	74.9	76
	Heating	kW	66.6	68.4	69.4	70.4
COP			3.45	3.51	3.46	3.41
Max. no. of connectable indoor units			60			
Dimensions	H	mm	1620	1620	1620	1620
	W	mm	1260+1349+1349+1349	1349+1349+1349+1349	1349+1349+1349+1349	1349+1349+1349+1349
	D	mm	796	796	796	796
Weight		kg	286+323+323+323	312+312+323+323	312+323+323+323	323+323+323+323
Fan	Air flow	m ³ /h	15,000+16,000x3	16,000x4		
	Max. static pressure	Pa	40			
Operation noise		dB(A)	71			
Operation range	Cooling		-5°C ~ 50°C			
	Heating		-20°C ~ 30°C			
Refrigerant	Type		R410A			
	Charging amount	kg	16+17+17+17	16.5+16.5+17+17	16.5+17+17+17	17+17+17+17
Chiller oil		Type	FV-68H			
Connecting pipe	Liquid	mm	Ø 25.4 (Flare connection)			
	Gas	mm	Ø 54 (Brazing connection)			

1. Design of the units conforms to GB/T 18837-2015 standards.
2. Cooling conditions: indoor temperature—27°CDB, 19°CWB, outdoor temperature—35°CDB; heating conditions: indoor temperature—20°CDB, 15°CWB, outdoor temperature—7°CDB, 6°CWB.
3. The operation noise herein is the value measured in a semi-anechoic room.
4. When pipe length exceeds 90m, the pipe diameter may change, so please strictly refer to pipe diameter illustrations in the GEN YUE technical manual.
5. For engineering design, due to the difference of operating environments, please refer to the related chapters in the user's manual attached with the unit for electrical specifications.

1. Design of the units conforms to GB/T 18837-2015 standards.
2. Cooling conditions: indoor temperature—27°CDB, 19°CWB, outdoor temperature—35°CDB; heating conditions: indoor temperature—20°CDB, 15°CWB, outdoor temperature—7°CDB, 6°CWB.
3. The operation noise herein is the value measured in a semi-anechoic room.
4. When pipe length exceeds 90m, the pipe diameter may change, so please strictly refer to pipe diameter illustrations in the GEN YUE technical manual.
5. For engineering design, due to the difference of operating environments, please refer to the related chapters in the user's manual attached with the unit for electrical specifications.

Extensive Indoor Unit Line-Up



9 Series, Total Of 76 Specifications

The GEN YUE series provides a wide range of indoor units, including the cassette unit, built-in duct unit, high wall unit, floor/ceiling unit, etc., totally 9 series and 76 specifications, perfectly meeting various inside mounting applications.

Name	Cooling capacity (kW)	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.1	5.6	6.3	7.1	8.0	9.0	10.0	11.2	12.0	12.5	14.0	15.0	20.0	25.0	28.0	45.0	56.0
MWA-AMN 1-way cassette		•		•		•		•			•		•													
MWB-AMN 2-way cassette								•			•		•	•												
MWC-A/BMN 4-way cassette				•		•		•			•		•	•	•	•	•		•	•						
MWD-A/BML Slim duct unit		•	•	•	•	•	•	•	•		•	•	•													
MWD-AMS Standard static pressure duct unit														•	•	•	•		•							
MWD-AMM Middle static pressure duct unit		•	•	•	•	•	•	•	•		•	•	•	•	•	•	•		•							
MWD-AMH High static pressure duct unit														•	•	•	•		•					•	•	•
MWW-AMN High wall unit		•		•		•		•		•			•													
MWX-AMN Floor/ceiling unit								•			•		•	•			•									



4-Way Cassette (Type A/Type B)

MWC-A/BMN

4-Way Air Supply For More Even Flow

The flexible 4-way air flow design enables unblocked air supply, more even air flow and more stable room temperature. This kind of design is particularly suitable for rooms of a square shape.



Slim Profile For Elegance And Beauty

With a slim profile of just 230mm, the required minimum depth of suspended ceiling is only 285mm, ideal for mounting on low suspended ceilings.



Built-in Lift Pump For Higher Installation Freedom

The built-in lift pump with a lift of 750mm helps to save drainage pipe space, especially suitable for a suspended ceiling with low storey height, bringing more freedom to installation.



A Variety Of Motor Options For More Design Freedom

The user-friendly AC and DC motor options were designed to meet different installation requirements.

Ultimately Quiet For Comfort and Enjoyment

Equipped with DC motor fan and special design fans, delivering large air flow in low-noise and high-efficiency operation. Operation noise can be as low as 32dB(A).

A tranquil reading room

A quiet office



30dB(A)



32dB(A)



40dB(A)

Extensive Indoor Unit Line-Up

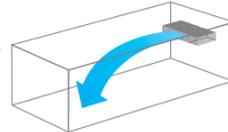


One-Way Cassette

MWA-AMN



One-way Air Out With Elegant Appearance
Shutters with one-way air-out design is suitable for installation in a narrow space, which enhances indoor comfort and aesthetic.



Automatic Wide-angle Air Swing, Comfortable and Relaxing
3 air speeds adjustment and 3-dimensional air flow, cater to users' individualized needs.

Optimized Air Flow Guide for Cleanness And Beauty

Bright white plate for elegant and artistic appearance. Air outlet condensation can be avoided without flocking, easy to clean and prevents against mold growth.



Built-in Lift Pump for Higher Installation Freedom

The built-in lift pump with a lift of 700mm helps to save drainage pipe space, especially suitable for a suspended ceiling with low storey height, bringing more freedom to installation.



2-Way Cassette

MWB-AMN

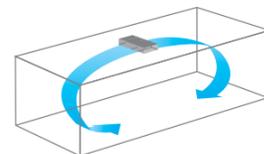


Optimized Air Flow Guide for Cleanness and Beauty

Bright white plate for elegant and artistic appearance. Air outlet condensation can be avoided without flocking, easy to clean and prevents against mold growth.

2-way Air Out for Individualization And Comfort

The 2-way air flow design is particularly suitable for narrow spaces and help to meet the need of individualized decoration while improving comfort.



Built-in Lift Pump for Higher Installation Freedom

The built-in lift pump with a lift of 700mm helps to save drainage pipe space, especially suitable for a suspended ceiling with low storey height, bringing more freedom to installation.



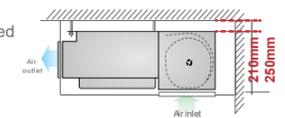
Slim Duct Unit (Type A/Type B)

MWD-A/BML



Industry-leading Slimness and Compactness

The unit features an industry-leading thickness of 210mm. The required minimum depth of suspended ceiling is only 250mm, enabling higher design freedom and making full use of the comfort of a partly suspended ceiling.



Optional Lift Pump for Higher Installation Freedom

The built-in lift pump with a lift of 700mm helps to save drainage pipe space, especially suitable for a suspended ceiling with low storey height, bringing more freedom to installation.



A Variety of Motor Options for More Design Freedom

The user-friendly AC and DC motor options were designed to meet different installation requirements.

Quiet Operation for Comfort and Enjoyment

The unit features specially designed low-noise centrifugal fan blades and a unique anti-vibration mechanism, which realize a noise level as low as 24dB(A) and bring about ultimate serenity and comfort.

Whispering at a distance of 1.5 m



20dB(A)



24dB(A)

A tranquil reading room



30dB(A)



Middle Static Pressure Duct Unit

MWD-AMM

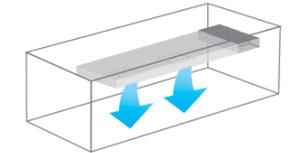


Wide Capacity Range with More Flexible

The capacity ranges from 2.2~15kW including 17 models in total.

Middle Static Pressure Design

The unit's external static pressure can reach up to 50Pa, connecting long air pipes and diffusers.



Multi-function air supply, More Freedom

The unit featuring a built-in air return box enables air return and bottom air return mounting, thus increasing design freedom.

Extensive Indoor Unit Line-Up



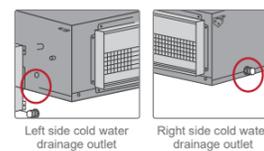
Standard Static Pressure Duct Unit

MWD-AMS

Multiple Quiet Technologies, Energy-saving and Comfortable
High-efficiency low-noise motors and low-vibration fan volutes, a fan impeller design originating from aerotechnics and multiple muting technologies, together make the MWD duct units superbly energy-saving and comfortable.

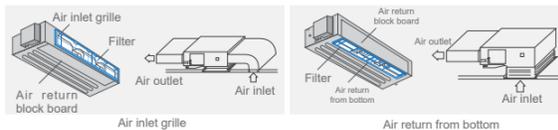
Multiple Drainage Methods and More Convenient Installation

The unit has condensate pipe outlet holes on both sides, so pipe connection can be flexibly made according to actual conditions, greatly facilitating installation. If needed, an optional lift pump with a lift of 700mm is available.



Multi-function air supply, More Comfort and Satisfaction

The unit featuring a built-in air return box enables air return and bottom air return mounting, thus increasing design freedom.



High Wall Unit

MWW-AMN

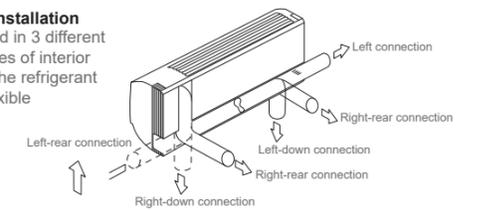
Multi-function Air Supply, More Comfort and Satisfaction

- The auto air swing function can supply air at the optimal angle intelligently adjusted according to the operation mode (cooling or heating).
- The air supply angle can reach a maximum of 65°, effectively avoiding dead corner problems troubling conventional high wall indoor units, thus achieving more even air supply in a wider range and making the air conditioning space more comfortable.



Flexible Pipe Connection and Installation

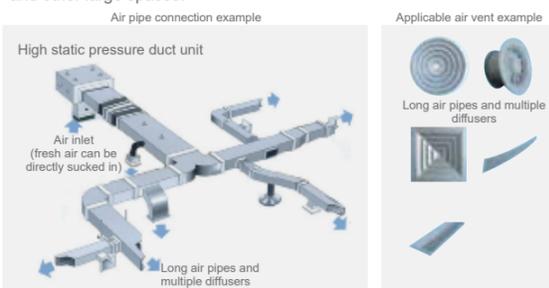
Pipe connection can be conducted in 3 different directions to cater to different styles of interior decoration, perfectly concealing the refrigerant pipe, making installation more flexible and more eye-pleasing.



High Static Pressure Duct Unit

MWD-AMH

High Static Pressure Design and Wide Applications
With a large air flow and high static pressure design, the unit's external static pressure can reach up to 120Pa. As the unit can connect various kinds of long air pipes and diffusers, it is especially suitable for factories, canteens and other large spaces.



Slim Design, Space Saving
With a profile of just 370mm, the unit is slimmer than conventional high static pressure duct units, saving even more installation space. Besides, an optional lift pump with a lift of 700mm is available to achieve higher installation freedom.



Floor/Ceiling Unit

MWX-AMN

Artistic Design, Perfectly Matching With Interior Decoration
With an artistic design, the unit perfectly matches with its surroundings, even if there is no suspended ceiling.

Flexible Pipe Connection and Installation

2 different pipe connection methods meet different installation needs.

Unique Air Supply Design for Quietness and Comfort

Three dimensional air supply eliminates dead corners, helping to maintain a more stable room temperature.



Detachable Design, Convenient Cleaning and Service

The inlet filter grille can be detached, simplifying cleaning and service and extending service life.



Extensive Indoor Unit Line-Up



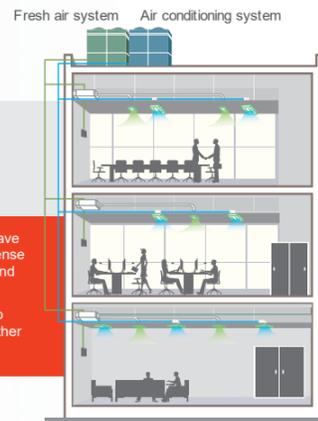
Fresh Air System MWF



MWF140AMN : 1,400m³/h
 MWF224AMN : 2,000m³/h
 MWF280AMN : 2,800m³/h
 MWF450ADN : 4,000m³/h
 MWF560ADN : 6,000m³/h

With the rapid economic development, large office buildings and shopping malls have become the symbol of an affluent and prosperous city. In these large and highly dense enclosures, indraught of fresh air from outside is essential to ensuring the health and well being of the occupants.

The GEN YUE fresh air system is built on Trane's traditional emphasis on quality to deliver comfortable, healthy and sustainable living and working environments together with the GEN YUE multi-split air conditioning system.



- The GEN YUE fresh air system has its own outdoor unit, which can effectively reduce capacity and load of the air conditioning outdoor unit. Especially in transition seasons, the system not only can meet need of fresh air, but also plays a role in room temperature adjustment.
- Its outdoor unit is of the same kind with that of the GEN YUE air conditioning system, which makes centralized control and coordinated control more convenient.
- The indoor unit provides 5 fresh air processing units with different levels of air flow for options, 1,400m³/h ~ 6,000m³/h, meeting fresh air needs of different-sized spaces. Besides, combinations of units can be used for large spaces.
- Adoption of the DC inverter technology and environment-friendly refrigerant R410A helps to bring about a greener fresh air system.

Design description

- The GEN YUE fresh air system provides mixed connection options. MWF140/MWF224/MWF280 can be connected with normal indoor units(Duct & Cassette) in one system but MWF450/MWF560 can only use as an independent system.
- When mixed with normal indoor units, combination rate have to follow rules as below:
 1. (Fresh air units' capacity+Indoor units' capacity)/ Out door unit's capacity ≤ 100%;
 2. Fresh air units' capacity/ Out door unit's capacity ≤ 30%.
- Fresh air system can connect to GEN-NET system.

Parameters Table

INDOOR UNIT MODEL		MWF140AMN	MWF224AMN	MWF280AMN	MWF450ADN	MWF560ADN
Cooling capacity	kW	14.0	22.4	28.0	45.0	56.0
Heating capacity	kW	9.0	16.0	20.0	31.4	39.0
Power supply		220V~50Hz~1Ph			380V~50Hz~3Ph	
Rated power	kW	0.45	1.20	1.20	1.30	2.00
Air flow	CMH	1,400	2,000	2,800	4,000	6,000
Static pressure	Pa	196	200	220	300	
Noise value	dB (A)	42-48	48	45-52	58	62
L x W x H	Body	mm	1190X620X370	1465X811X448	1465X811X448	2165X916X676
Weight	Body	kg	47	102	102	222
	Liquid	mm	Ø9.5		Ø12.70	
	Gas	mm	Ø15.9		Ø22.20	
Connecting pipe	Drain	mm	DN20		DN25	
	Controller		Wired (standard)/wireless (optional)			

Note:

1. Cooling capacity test conditions: outside temperature 33°CDB/28°CWB, 68%RH; heating capacity test conditions: outside temperature 0°CDB/-2.9°CWB, 50%RH, frost free.
2. The operation noise values herein are measured in a semi-anechoic room. In actual installation conditions, the actual noise levels are usually higher than values recorded herein due to the influence of ambient noise and reflection effect.
3. Should there be any inconsistency involving parameters, those on the nameplate coming with the unit shall prevail. For reasons like system optimization, upgrades, etc., the data herein is subject to change without prior notice.

Total Heat Exchanger



THR025~700AM (D) NENA



Applications: Multi-Use Office Buildings, Hotels, Meeting Rooms, High-End Residences.

High Heat Exchanging Efficiency, Comfortable and Energy Saving

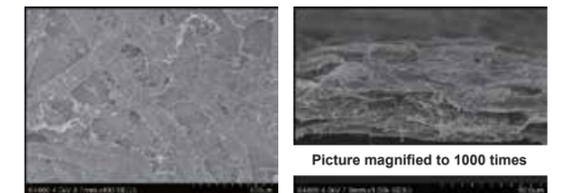
The foam air duct structure is optimized to enable more smooth air flow and higher static pressure. The oblique twisted impeller and forward-tilting centrifugal fan have gone through rigorous static and dynamic balance tests, helping to lower the whole unit's operation noise.

High Heat Exchanging Efficiency, Comfortable and Energy Saving

When outside and inside temperatures are very close during spring or autumn, the system will switch to a bypass function, which can make outside fresh air directly flow into the room after high-efficiency filtering instead of going through the heat recovery device. This can effectively extend the unit's service life, save energy and improve ventilation effect.

High Heat Exchanging Efficiency, Comfortable and Energy Saving

- A specially designed wave-shaped inner framework effectively raises heat exchanging efficiency by 10%.
- It uses the 5th-generation high-efficiency heat exchange heterogeneous membrane developed by Trane together with Ningbo Institute of Industrial Technology, whose exchanging efficiency is 17% higher than the conventional heat exchange membrane.



Picture magnified to 1000 times

It uses natural cellulose fibrous material as the substrate—boasting excellent traverse and longitudinal strength required by a total heat exchange membrane, and besides, natural cellulose is not only of certain moisture retention and permeation capabilities, but also environment-friendly and biodegradable.

Parameters Table

Model	THR-	025AMNENA	050AMNENA	100AMNENA	150AMNENA	200AMNENA	250ADNENA	300ADNENA	
Power supply		220V~50Hz~1Ph					380V~50Hz~3Ph		
Heat exchanging efficiency	Cooling	%	60	60	60	60	60	60	
	Heating	%	65	65	65	65	65	65	
Enthalpy exchanging efficiency	Cooling	%	55	55	52	55	55	53	
	Heating	%	65	65	62	65	65	64	
Operating Current	Heat exchangemode	A	0.67	1.72	4.65	4.32	5.73	4.10	
Input power	Heat exchangemode	kW	2X0.074	2X0.189	2X0.511	2X0.475	2X0.63	2X0.75	
	Length	mm	745	825	1115	1500	1550	1610	
	Width	mm	600	905	1135	1200	1400	1330	
Dimensions	Height	mm	270	270	390	540	540	600	
	Air pipe size	mm	φ 144	φ 194	φ 242	320×300	320×300	365×275	365×275
Fan	Type		Centrifugal fan						
	Motor output	W	2X40	2X180	2X500	2X375	2X550	2X750	
	Air flow	m ³ /h	250	500	1000	1500	2000	2500	
	External Static pressure	Pa	75	100	120	150	200	200	
Operation noise	dB(A)		41	43	47	54	57	61	
	Weight	kg	30	40	79	151	172	235	
Operation mode		Heat exchange mode							

Model	THR-	350ADNENA	400ADNENA	450ADNENA	500ADNENA	550ADNENA	600ADNENA	700ADNENA
Power supply		380V~50Hz~3Ph						
Heat exchanging efficiency	Cooling	%	60	60	60	60	60	60
	Heating	%	65	65	65	65	65	65
Enthalpy exchanging efficiency	Cooling	%	53	54	52	53	52	51
	Heating	%	58	57	55	58	56	55
Operating Current	Heat exchangemode	A	5.78	5.76	7.89	7.89	9.47	9.47
Input power	Heat exchangemode	kW	2x1.1	2x1.1	2x1.5	2x1.5	2x1.8	2x1.8
	Length	mm	1700	1725	1725	1820	1820	1820
	Width	mm	1500	1330	1330	1660	1660	1660
Dimensions	Height	mm	640	1050	1050	1050	1050	1050
	Air pipe size	mm	365x275	370x330	370x330	455x360	455x360	455x360
Fan	Type		Centrifugal fan					
	Motor output	W	2X1100	2X1100	2X1500	2X1500	2X1800	2X1800
	Air flow	m ³ /h	3500	4000	4500	5000	5500	6000
	External Static pressure	Pa	210	220	240	240	280	290
Operation noise	dB(A)		65	66	69	68	71	71
	Weight	kg	245	280	291	360	363	357
Operation mode		Heat exchange mode						

Note:

1. Cooling capacity test conditions: outside temperature 33°CDB/28°CWB, 68%RH; heating capacity test conditions: outside temperature 0°CDB/-2.9°CWB, 50%RH, frost free.
2. The operation noise values herein are measured in a semi-anechoic room. In actual installation conditions, the actual noise levels are usually higher than values recorded herein due to the influence of ambient noise and reflection effect.
3. 025~200 models using LCD wired controller ADC-SD11; 250~700 models using ON/OFF button ADC-SD12
4. Should there be any inconsistency involving parameters, those on the nameplate coming with the unit shall prevail. For reasons like system optimization, upgrades, etc., the data herein is subject to change without prior notice.

Indoor Unit Parameters Table



MWA-AMN 1-Way Cassette

Unit model MWA-AMN			022	028	036	045	056	071
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	W	40			50	70	90
	Heating	W	40			50	70	90
Power Supply			220V~50Hz~1Ph					
Air flow	High	m³/h	520			610	750	950
	Medium	m³/h	470			550	620	780
	Low	m³/h	400			500	500	600
Refrigerant type			R410A					
Unit dimensions	L x W x H	mm	870x460x250			870x460x290	1304x572x290	
Weight		kg	27.60 (including panel)			29.60 (including panel)	37.60 (including panel)	
Panel dimensions	L x W x H	mm	1070x520x50					
Noise value	High/Medium/Low	dB(A)	36/34/32			41/38/36	41/38/35	45/41/38
Connecting pipe	Liquid	mm	Ø 6.35					
	Gas	mm	Ø9.52			Ø12.70	Ø12.70	Ø15.88
	Drain	mm	DN25					

MWB-AMN 2-Way Cassette

Unit model MWB-AMN			045	056	071	080
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	W	70			100
	Heating	W	70			100
Power Supply			220V~50Hz~1Ph			
Air flow	High	m³/h	800			1120
	Medium	m³/h	670			950
	Low	m³/h	600			850
Refrigerant type			R410A			
Unit dimensions	L x W x H	mm	960x520x306			1200x520x306
Weight		kg	39.50 (including panel)			47.50 (including panel)
Panel dimensions	L x W x H	mm	1203x630x50			1443x630x50
Noise value	High/Medium/Low	dB(A)	42/39/36			46/43/40
Connecting pipe	Liquid	mm	Ø 6.35			
	Gas	mm	Ø 12.70			Ø 15.88
	Drain	mm	DN25			

MWD-AML Slim Duct Unit (Type A)

Unit model MWD-AML			022	025	028	032	036	040	045	050	056	063	071	
Cooling capacity		kW	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	
Heating capacity		kW	2.5	2.8	3.2	3.5	4.0	4.5	5.0	5.6	6.3	7.1	8.0	
Auxiliary electrical heating capacity (optional)		kW	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.2	1.2	1.5	1.5	
Rated input power	Cooling	W	50	50	50	70	70	70	70	100	100	110	110	
	Heating	W	50	50	50	70	70	70	70	100	100	110	110	
Auxiliary electrical heating power		kW	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.2	1.2	1.5	1.5	
Power Supply			220V~50Hz~1Ph											
Air flow	High	m³/h	450			550	620	620	800	1000				
	Medium	m³/h	300			400	480	480	600	800				
	Low	m³/h	200			300	350	350	450	600				
Static Pressure		Pa	30											
Refrigerant type			R410A											
Unit dimensions	L x W x H	mm	814x476x210						1010x476x210	1214x476x210				
Weight (standard type/auxiliary electrical heating type)		kg	16/16.5						21.5/22	26/26.5				
Noise value	High/Medium/Low	dB(A)	29/27/24			32/29/25		36/33/30	37/35/32		38/33/28		39/34/30	
Connecting pipe	Liquid	mm	Ø6.35						Ø12.7		Ø9.52			
	Gas	mm	Ø9.52			Ø12.7						Ø15.88		
	Drain	mm	DN25											

- Design of the units conforms to GB/T 18837-2015 standards.
- The above indoor units' 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 pipe: 5m; height difference between indoor and outdoor units: 0m.
- Should there be any inconsistency involving parameters, those on the nameplate coming with the unit shall prevail. For reasons like system optimization, upgrades, etc., the data herein is subject to change without prior notice.
- In the product names, "type A" refers to AC motor models, while "type B" refers to DC motor models.

MWD-BML Slim Duct Unit (Type B)

Unit model MWD-BML			022	025	028	032	036	040	045	050	056	063	071	
Cooling capacity		kW	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	
Heating capacity		kW	2.5	2.8	3.2	3.5	4.0	4.5	5.0	5.6	6.3	7.1	8.0	
Auxiliary electrical heating capacity (optional)		kW	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.2	1.2	1.5	1.5	
Rated input power	Cooling	W	20			30			35		45		55	
	Heating	W	20			30			35		45		55	
Auxiliary electrical heating power		kW	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.2	1.2	1.5	1.5	
Power Supply			220V~50Hz~1Ph											
Air flow	High	m³/h	450			550			620	620	800		1000	
	Medium	m³/h	300			400			480	480	600		800	
	Low	m³/h	200			300			350	350	450		600	
Static pressure		Pa	30											
Refrigerant type			R410A											
Unit dimensions	L x W x H	mm	814x476x210						1010x476x210		1214x476x210			
Weight (standard type/auxiliary electrical heating type)		kg	16.5/17						17/17.5		20.5/21		25.5/26	
Noise value	High/Medium/Low	dB(A)	29/27/24			32/29/25		36/33/30	37/35/32		38/33/28		39/34/30	
Connecting pipe	Liquid	mm	Ø6.35						Ø6.35		Ø9.52			
	Gas	mm	Ø9.52			Ø12.7						Ø15.88		
	Drain	mm	DN25											

MWC-AM(D)N 4-Way Cassette Unit (Type A)

Unit model MWC-AM(D)N			028	036	045	056	071	080	090	100	112	125	140		
Cooling capacity		kW	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0		
Heating capacity		kW	3.2	4.0	5.0	6.3	8.0	9.0	10.0	11.0	12.5	14.0	15.0		
Auxiliary electrical heating capacity (optional)		kW	1.5				2.0				3.0				
Rated input power	Cooling	W	43			54			93			160			
	Heating	W	43			54			93			160			
Auxiliary electrical heating power		kW	1.5				2.0				3.0				
Power Supply			220V~50Hz~1Ph						220V~50Hz~1Ph/380V~50Hz~3Ph						
Air flow	High	m³/h	650			810			1050	1200	1550		1600		
	Medium	m³/h	550			700			950	1100	1250		1450		
	Low	m³/h	450			550			800	900	1050		1300		
Refrigerant type			R410A												
Unit dimensions	L x W x H	mm	900x833x232 (including panel)						900x833x286 (including panel)						
Weight (standard type/auxiliary electrical heating type)		kg	22/23			24/25			28.5/30						
Panel dimensions	L x W x H	mm	950x950x50												
Noise value	High/Medium/Low	dB(A)	36/34/32			39/37/35			43/41/39	48/45/43		46/43/41		49/46/43	
Connecting pipe	Liquid	mm	Ø6.35						Ø9.52						
	Gas	mm	Ø9.52			Ø12.7			Ø15.88						
	Drain	mm	DN25												

MWC-BM(D)N 4-Way Cassette Unit (Type B)

Unit model MWC-BM(D)N			028	036	045	056	071	080	090	100	112	125	140		
Cooling capacity		kW	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0		
Heating capacity		kW	3.2	4.0	5.0	6.3	8.0	9.0	10.0	11.0	12.5	14.0	15.0		
Auxiliary electrical heating capacity (optional)		kW	1.5				2.0				3.0				
Rated input power	Cooling	W	20			30			70			100			
	Heating	W	20			30			70			100			
Auxiliary electrical heating power		kW	1.5				2.0				3.0				
Power Supply			220V~50Hz~1Ph						220V~50Hz~1Ph/380V~50Hz~3Ph						
Air flow	High	m³/h	650			810			1050	1200	1550		1600		
	Medium	m³/h	550			700			950	1100	1250		1450		
	Low	m³/h	450			550			800	900	1050		1300		
Refrigerant type			R410A												
Unit dimensions	L x W x H	mm	900x833x232 (including panel)						900x833x286 (including panel)						
Weight (standard type/auxiliary electrical heating type)		kg	20.5/21.5			22/23			22.5/23.5			27/28.5			
Panel dimensions	L x W x H	mm	950x950x50												
Noise value	High/Medium/Low	dB(A)	36/34/32			39/37/35			43/41/39	48/45/43		46/43/41		49/46/43	
Connecting pipe	Liquid	mm	Ø6.35						Ø9.52						
	Gas	mm	Ø9.52			Ø12.7			Ø15.88						
	Drain	mm	DN25												

- Design of the units conforms to GB/T 18837-2015 standards.
- The above indoor units' 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 pipe: 5m; height difference between indoor and outdoor units: 0m.
- Should there be any inconsistency involving parameters, those on the nameplate coming with the unit shall prevail. For reasons like system optimization, upgrades, etc., the data herein is subject to change without prior notice.
- In the product names, "type A" refers to AC motor models, while "type B" refers to DC motor models. AMN/BMN power supply 220V, ADN/BDN power supply 380V.

Indoor Unit Parameters Table



MWD-AMS Standard Static Pressure Duct Unit

Unit model MWD-AMS			071	080	090	100	120	150
Cooling capacity	kW		7.1	8.0	9.0	10.0	12.0	15.0
Heating capacity	kW		8.0	9.0	10.0	11.0	13.0	17.0
Auxiliary electrical heating capacity (optional)	kW		2.1					
Rated input power	Cooling	W	130			240		
	Heating	W	130			240		
Auxiliary electrical heating power	kW		2.1					
Power Supply			220V~50Hz~1Ph					
Indoor airflow	High	m³/h	1050			1800		
	Medium	m³/h	900			1600		
	Low	m³/h	750			1300		
Static pressure	Pa		30 - 40					
Refrigerant type			R410A					
Unit Dimensions	L x W x H	mm	1190 x 643 x 260			1425 x 643 x 260		
Weight (standard type/auxiliary electrical heating type)		kg	35/36			45/46		
Noise value	High/Medium/Low	dB(A)	38/36/33			45/42/39		
Connecting pipe	Liquid	mm	Ø9.52					
	Gas	mm	Ø15.88					
	Drain	mm	DN25					

MWD-AMM Middle Static Pressure Duct Unit

Unit model MWD-AMM**B			022	025	028	032	036	040	045	050	056	063	071	
Cooling capacity	kW		2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	
Heating capacity	kW		2.5	2.8	3.2	3.5	4.0	4.5	5.0	5.6	6.3	7.1	8.0	
Auxiliary electrical heating capacity (optional)	kW		0.75				0.75		1.20		1.50			
Rated input power	Cooling	W	75				90		100		110			
	Heating	W	75				90		100		110			
Auxiliary electrical heating power	kW		0.75				0.75		1.20		1.50			
Power Supply			220V~50Hz~1Ph											
Indoor airflow	High	m³/h	500				600		800		1000			
	Medium	m³/h	350				530		650		800			
	Low	m³/h	250				500		550		600			
Static pressure	Pa		50											
Refrigerant type			R410A											
Unit Dimensions	L x W x H	mm	814 x 476 x 210				1010 x 476 x 210			1214 x 476 x 210				
Weight (standard type/auxiliary electrical heating type)		kg	16/16.5				16.5/17		21/21.5		25.5/26			
Noise value	High/Medium/Low	dB(A)	40/38/36				42/40/37		42/40/37					
Connecting pipe	Liquid	mm	Ø 6.35											
	Gas	mm	φ9.52				Ø12.70				Ø15.88			
	Drain	mm	DN25											

Unit model MWD-AMM**C			071	080	090	100	120	150
Cooling capacity	kW		7.1	8.0	9.0	10.0	12.0	15.0
Heating capacity	kW		8.0	9.0	10.0	11.0	13.0	17.0
Auxiliary electrical heating capacity (optional)	kW		2.1					
Rated input power	Cooling	W	160			300		
	Heating	W	160			300		
Auxiliary electrical heating power	kW		2.1					
Power Supply			220V~50Hz~1Ph					
Indoor airflow	High	m³/h	1150			1800		
	Medium	m³/h	900			1550		
	Low	m³/h	700			1350		
Static pressure	Pa		50					
Refrigerant type			R410A					
Unit Dimensions	L x W x H	mm	1190x643x260			1425x643x260		
Weight (standard type/auxiliary electrical heating type)		kg	35/36			45/46		
Noise value	High/Medium/Low	dB(A)	43/40/38			47/45/43		
Connecting pipe	Liquid	mm	Ø 9.52					
	Gas	mm	Ø15.88					
	Drain	mm	DN25					

- Design of the units conforms to GB/T 18837-2015 standard
- The above indoor units' 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 pipe: 5m; height difference between indoor and outdoor units: 0m.
- Should there be any inconsistency involving parameters, those on the nameplate coming with the unit shall prevail. For reasons like system optimization, upgrades, etc., the data herein is subject to change without prior notice.

MWD-AM(D)H High Static Pressure Duct Unit

Unit model MWD-AM(D)H			071	080	090	100	120	150	200	250	280	450	560	
Cooling capacity	kW		7.1	8.0	9.0	10.0	12.0	15.0	20.0	25.0	28.0	45.0	56.0	
Heating capacity	kW		7.8	8.8	10.0	11.0	13.0	17.0	22.0	27.5	30.8	50.0	63.0	
Auxiliary electrical heating capacity (optional)	kW		2.1			3.0								
Rated input power	Cooling	W	340			450			1200		1600		2450	
	Heating	W	340			450			1200		1600		2450	
Auxiliary electrical heating power	kW		2.1			3.0								
Power Supply			220V~50Hz~1Ph			220V~50Hz~1Ph/ 380V~50Hz~3Ph			220V~50Hz~1Ph		380V~50Hz~3Ph			
Indoor airflow	High	m³/h	1500			2300			4400		6000		8000	
	Medium	m³/h	1300			2100			4000					
	Low	m³/h	1100			1900			3600					
Static pressure	Pa		120											
Refrigerant type			R410A											
Unit Dimensions	L x W x H	mm	1445 x 680 x 260			1190 x 620 x 370			1465 x 811 x 448			2165 x 916 x 676		
Weight (standard type/auxiliary electrical heating type)		kg	46/47			47/49			102/-		222/-			
Noise value	High/Medium/Low	dB(A)	43/42/40			52/48/44			53/49/45		54/50/45		55/50/45	
Connecting pipe	Liquid	mm	Ø9.52						Ø12.7		Ø15.88			
	Gas	mm	Ø15.88						Ø22.2		Ø28.6			
	Drain	mm	DN25						DN30		DN25			

MWW-AMN High Wall Unit

Unit model MWW-AMN			022	028	036	045	051	071	
Cooling capacity	kW		2.2	2.8	3.6	4.5	5.1	7.1	
Heating capacity	kW		2.5	3.2	4.0	5.0	7.1	8.0	
Rated input power	Cooling	W	55				58		60
	Heating	W	55				58		60
Power Supply			220V~50Hz~1Ph						
Air flow	High	m³/h	540		600		780		1000
	Medium	m³/h	440		500		650		800
	Low	m³/h	340		400		550		600
Refrigerant type			R410A						
Unit Dimensions	L x W x H	mm	850 x 400 x 235				1080 x 304 x 221		
Weight		kg	12				16		
Wireless (standard) / wired (optional)	High/Medium/Low	dB(A)	36/34/32			42/39/37		48/46/44	
Connecting pipe	Liquid	mm	Ø6.35						Ø9.52
	Gas	mm	Ø9.52		Ø12.7				Ø15.88
	Drain	mm	DN20						

MWX-AMN Floor/Ceiling Unit

Unit model MWX-AMN			045	056	071	080	112	
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	W	60			150		260
	Heating	W	60			150		260
Power Supply			220V~50Hz~1Ph					
Air flow	High	m³/h	950		1300		2300	
	Medium	m³/h	850		1150		2100	
	Low	m³/h	750		1100		1900	
Refrigerant type			R410A					
Unit Dimensions	L x W x H	mm	1245 x 680 x 240				1670 x 680 x 240	
Weight		kg	36				51	
Wireless (standard) / wired (optional)	High/Medium/Low	dB(A)	46/42/37		48/44/39		52/49/45	
Connecting pipe	Liquid	mm	Ø6.35				Ø9.52	
	Gas	mm	Ø12.7				Ø15.88	
	Drain	mm	DN20					

- Design of the units conforms to GB/T 18837-2015 standard
- The above indoor units' 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 pipe: 5m; height difference between indoor and outdoor units: 0m.
- Should there be any inconsistency involving parameters, those on the nameplate coming with the unit shall prevail. For reasons like system optimization, upgrades, etc., the data herein is subject to change without prior notice.
- In the product names, AMH power supply 220V, ADH power supply 380V.

Complete Sales And Service System

Pre-Sales

Trane design professionals are at hand to provide detailed air conditioning solutions



Before installation, Trane design professionals will fully evaluate design parameters including the outdoor climate, indoor load, fresh air requirement, etc., as well as system pipe length, outdoor unit heat dissipation and other comprehensive conditions, to come up with solution which not only is more suitable, but also can drive the unit's performance to the uttermost.

In-Sales

Trane professional technicians are assigned to startup commissioning, bringing a reliable start



During installation, in order to ensure the unit's reliability in the future, Trane will designate dedicated personnel or authorized personnel from a special primary service center to conduct startup commissioning.

After-Sales

Toll-free service hot-line is available all year long (365 days) to customers all across the country



In the customer service center, dedicated technicians are available 365 days a year for receiving customers' repair requirements, consultancy and complaints, ensuring fast and effective responses to customer needs.



A world leader in air conditioning systems, services and solutions
Look around and you're sure to see a premises installed with a Trane product. Call us today and find out for yourself why more of the world's leading developers and building owners count on Trane