



TVR 7G
DC INVERTER

indoor catalog standard version

2024

TRANE
TECHNOLOGIES



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

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A modern office lounge with wooden tables, orange chairs, and a Christmas tree. The room features large windows on the left, a television on the wall, and a long table with orange chairs in the center. A Christmas tree is decorated with white lights and ornaments. The ceiling has recessed lighting and a central air conditioning unit.

Indoor Unit

One-Way Cassette

Two-Way Cassette

Compact Four-Way Cassette

Four-Way Cassette

Arc Duct

Medium Static Pressure Duct

High Static Pressure Duct

Wall Mounted

Floor Standing

Ceiling&Floor

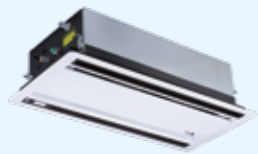
Indoor Unit Lineup

■ One-Way Cassette



- Automatic anti-condensation
- Multiple Steps Vertical Swing
- Built-in 1200mm high-lift drain pump(Digital feedback DC water pump)

■ Two-Way Cassette



- Automatic anti-condensation
- Multiple Steps Vertical Swing
- Built-in 1200mm high-lift drain pump(Digital feedback DC water pump)



■ Compact Four-Way Cassette



- 575mm compact body size
- 360° airflow
- Individual louver control
- 3.5m high ceiling installation
- Built-in 1200mm high-lift drain pump
- Optional medium efficiency filter



■ Four-Way Cassette



- 360° airflow, uniform air flow and temperature distribution
- Individual louver control
- Built-in 1200mm high-lift drain pump

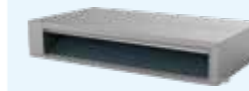
■ Arc Duct



- 199mm ultra-thin height (all models)
- 450mm ultra-narrow depth (all models)
- Static pressure adaption, constant air volume supply
- Built-in 1200mm high-lift drain pump
- Optional medium efficiency filter
- Optional Positive and Negative Ion Sterilization Module



■ Medium Static Pressure Duct



- ESP up to 160Pa (all models)
- 245mm ultra-thin height (all models)
- Static pressure adaption, constant air volume supply
- Built-in 1200mm high-lift drain pump
- Optional HEPA filter with H12 rating
- Optional medium to high efficiency filter
- Optional Positive and Negative Ion Sterilization Module

■ High Static Pressure Duct



- 5.6kW-16kW ESP up to 250Pa
- 20kW-56kW ESP up to 400Pa
- 299mm ultra-thin height (5.6kW-16kW)
- Static pressure adaption, constant air volume supply
- Built-in 1200mm high-lift drain pump
- Optional HEPA filter with H13 rating
- Optional medium to high efficiency filter

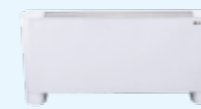


■ Wall Mounted



- Supports installation close to the ceiling to free up space
- Bi-directional Coanda airflow, enhanced comfort
- Quiet operation
- Optional built-in 1200mm high-lift drain pump

■ Floor Standing



- ESP up to 60Pa(F3 concealed model)
- Three appearance options to meet different installation requirement
- DC fan creates a more quiet and comfortable environment
- 0.5°C/1°C Setting Temperature Adjustment








■ Ceiling&Floor



- A sleek design suits installation either on the ceiling or floor
- DC fan motor creates a more quiet and comfortable environment
- Optional 600mm high-lift drain pump (When the unit is installed on the ceiling)

Indoor Unit Lineup

	kW																	
	1.5	1.8	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	10.0	11.2	12.5	14.0	16.0	18.0	
	Btu/h																	
	5.1k	6.1k	7.5k	9.6k	12.3k	15.4k	19.1k	21.5k	24.2k	27.3k	30.7k	34.1k	38.2k	42.7k	47.8k	54.6k	61.4k	
Cassette	One-Way Cassette 		●	●	●	●	●		●									
	Two-Way Cassette 			●	●	●	●		●									
	Compact Four-Way Cassette 	●		●	●	●	●	●										
	Four-Way Cassette 				●	●	●	●		●	●	●	●	●		●		
	Four-Way Cassette 																●	●

	kW																								
	1.5	1.8	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	10.0	11.2	12.5	14.0	16.0	18.0	20.0	22.4	25.2	28.0	33.5	40.0	45.0	56.0
	Btu/h																								
	5.1k	6.1k	7.5k	9.6k	12.3k	15.4k	19.1k	21.5k	24.2k	27.3k	30.7k	34.1k	38.2k	42.7k	47.8k	54.6k	61.4k	68.3k	76.5k	86.0k	95.6k	114.3k	136.5k	153.6k	191.1k
Duct	Arc Duct 	●		●	●	●	●		●	●	●														
	Medium Static Pressure Duct 	●		●	●	●	●		●	●	●		●		●	●									
	High Static Pressure Duct 							●		●	●	●		●	●	●		●	●	●	●		●	●	●
Wall Mounted	Wall Mounted 	●		●	●	●	●		●	●															
	Floor Standing - Concealed 			●	●	●	●		●	●															
Floor Standing	Floor Standing - Exposed 			●	●	●	●		●	●															
	Ceiling&Floor 				●	●	●		●	●	●		●	●	●		●	●							

Indoor Unit Functions

		Functions													
		● : equipped as standard;	○ : customization option;	× : without this function	One-Way Cassette	Two-Way Cassette	Ceiling&Floor	Compact Four-Way Cassette	Four-Way Cassette	Arc Duct	Medium Static Pressure Duct	High Static Pressure Duct	Wall Mounted	Floor Standing	
COMFORT & HEALTH	Quiet operation	All indoor units are quiet operation		●	●	●	●	●	●	●	●	●	●	●	
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature		●	●	●	●	●	●	●	●	●	●	●	
	Cold air prevention	When starting to warm up, the fan speed is automatically adjusted according to coil temperature to prevent cold air discharge After warming up, fan speed is set as desired		●	●	●	●	●	●	●	●	●	●	●	
	Digital display on/off	Indoor unit displays can be shut off at night, creating a better environment for rest		●	●	●	●	●	●	●	●	●	●	●	
	Buzzer sound on/off	The buzzer sound of the indoor unit can be turned off to create a quieter environment		●	●	●	●	●	●	●	●	●	●	●	
	EEV automatic adjustment	When in heating standby mode, the indoor unit automatically adjusts the EEV opening according to the load to eliminate noise of refrigerant flowing.		●	●	●	●	●	●	●	●	●	●	●	
	Indoor temperature detection control	The indoor temperature of multiple indoor units is obtained from a designated indoor unit, and multiple indoor units in a large space are controlled uniformly through this designated indoor unit.		●	●	●	●	●	●	●	●	●	●	●	
	0.5°C/1°C setting temperature adjustment	Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control		●	●	●	●	●	●	●	●	●	●	●	
	Home leave mode	During absence, the indoor temperature can be maintained at a certain level		●	●	●	●	●	●	●	●	●	●	●	
	Independent power supply	This feature allows the shutdown of some indoor units without shutting down the whole VRF system		●	●	●	●	●	●	●	●	●	●	●	
	Sleep mode	The smart sleep mode can realize sleep is not easy to catch a cold and wake up refreshing		●	●	●	●	●	●	●	●	●	●	●	
	Mildew proof of heat exchanger	After the unit is shutdown, the fan is delayed shutdown to dry the heat exchanger and prevent the heat exchanger from mildew		●	●	●	●	●	●	●	●	●	●	●	
	Air filter	Removes airborne dust particles to ensure a steady supply of clean air		pre-filter ●	pre-filter ●	pre-filter ●	G1 ● G3 ○ F6 ○	G1 ●	G1 ● F6 ○	G1 ● G3 ○ F7 ○ H12 ○	pre-filter ● F7 ○ H13 ○	pre-filter ●	G1 ●		
	Fresh air intake	A reserved outside air intake port allows outdoor air to be introduced directly into the unit		4.5-7.1kW ●	●	●	●	●	●	●	●	●	×	×	×
	Visualization of dirty blockage rate	Dirty blockage rate can be accurately identified and displayed on the controller		×	×	×	×	×	×	●	●	●	×	×	
	Silver ions drain pan	Slow-released nano-silver ions can keep the drain pan free of mold for a long time.		×	×	×	○	○	○	○	○	○	○	○	×
	Heat exchanger self-cleaning*	Wash the dirt on the heat exchanger through freezing frost, and then high temperature sterilization.		●	●	●	●	●	●	●	●	●	●	●	●
	Humidity control	Additional humidity sensor can achieve humidity control in 35~75%		×	×	○	○	○	○	○	○	○	○	○	○
Puro-air kit	Powered by OSRAM's UVC lamps, can effectively kill bacteria, viruses and odors of indoor air		×	×	×	×	×	×	○	○	○	○	×	×	
Sterilization device	Positive and Negative Ion Sterilization Module can effectively kill bacteria, viruses and odors of indoor air		×	×	×	×	×	×	○	○	×	×	×	×	
AIR FLOW	Vertical swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution		5 steps + auto	5 steps + auto	5 steps + auto	5 steps + auto	5 steps + auto	5 steps + auto	×	×	×	5 steps + auto	×	
	Horizontal swing	Possibility to select automatic horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution		×	×	●	×	×	×	×	×	×	○	×	
	Fan speed steps	Multiple fan speeds can be selected to optimize comfort levels		7 steps	7 steps	7 steps	7 steps	7 steps	7 steps	7 steps	7 steps	7 steps	7 steps	7 steps	
	Auto fan speed	Automatically controls rotation speed of fan depending on indoor load to achieve efficiency and comfort simultaneously		●	●	●	●	●	●	●	●	●	●	●	
	Individual louver control	Individual louver control via the wired remote controller makes it simple to fix the position of each flap individually		×	×	×	●	●	×	×	×	×	×	×	
	Soft wind mode	Supplies air against the ceiling to create windless environment		●	●	●	●	●	×	×	×	×	●	×	
	Adaptive ESP	ESP adapts to duct resistance to ensure constant airflow		×	×	×	×	×	●	●	●	●	×	×	

* Heat exchanger self-cleaning function can be available only when 7G Mini is connected. There is no AHU-Kit, Fresh Air Processing Unit and 2nd generation indoor units in the system.

Indoor Unit Functions

		Functions													
		●: equipped as standard; ○: customization option; ×: without this function				One-Way Cassette	Two-Way Cassette	Ceiling&Floor	Compact Four-Way Cassette	Four-Way Cassette	Arc Duct	Medium Static Pressure Duct	High Static Pressure Duct	Wall Mounted	Floor Standing
ENERGY SAVING	META mode	Triple variable control maximizes energy saving operation				●	●	●	●	●	●	●	●	●	●
	ECO mode	The set temperature will automatically increase by 1°C per hour (in cooling mode) or decrease by 1°C per hour (in heating mode), with a maximum change of 2°C.				●	●	●	●	●	●	●	●	●	●
	Full DC electronic components	The fan motor and water pump are DC power supply				●	●	●	●	●	●	●	●	●	●
	Human Detect Sensor	Using millimeter-wave radar sensor controller automatically turns indoor units on or off upon detecting that the room is occupied or unoccupied, ensuring climate control whilst minimizing energy consumption.				×	×	○	○	○	○ ⁽¹⁾	○ ⁽¹⁾	○ ⁽¹⁾	○	×
EASY Installation & Service	Program upgrade ⁽²⁾	All indoor units can be upgraded on outdoor unit of the same system, more easy program upgrade.				●	●	●	●	●	●	●	●	●	●
	Long distance air delivery	Provides adequate airflow and capacity under high ceiling conditions				×	×	×	●3.5m	●3m ○4.5m	×	×	×	×	×
	High-lift drain pump	Facilitates condensation draining from the indoor unit				●	●	○ ⁽³⁾	●	●	●	●	●	○	×
	Water level switch	When the drain pipe is blocked or the drain pipe is poor, the water level switch is turned off, and there is no need to worry about overflowing the ceiling.				●	●	○	●	●	●	●	●	○	×
	Ceiling anti-dirt setting	The air discharge is specially designed to prevent air blowing against the ceiling to prevent ceiling dirty				●	●	×	●	●	×	×	×	×	×
	Air baffle fittings for irregular rooms	Some air discharge ports can be blocked with air baffle to optimize air distribution in irregular shaped rooms				×	×	×	●	●	×	×	×	×	×
	2-core non-polarity communication wiring	Simplifies installation and reduces wiring failures				●	●	●	●	●	●	●	●	●	●
	Long communication wiring	Communication wiring up to 1200m makes installation more flexible				●	●	●	●	●	●	●	●	●	●
	3 digit 7-segment display	3 digit 7-segment display can display more parameters and error information				●	●	●	●	●	●	●	●	●	●
	Error codes are further refined	Simplifies maintenance by refined error code				●	●	●	●	●	●	●	●	●	●
EASY CONTROL	Timer	Timer can be set to start and stop operation anytime on a daily or weekly basis				●	●	●	●	●	●	●	●	●	●
	Infrared remote control	Infrared remote control with LCD to remotely control your indoor unit				●	●	●	●	●	●	●	●	●	●
	Wired remote control	Wired remote control to remotely control your indoor unit				●	●	●	●	●	●	●	●	●	●
	Group control	Up to 16 indoor units can be in a group control system				●	●	●	●	●	●	●	●	●	●
	Centralized control	Centralized control to control several indoor units from one single point				●	●	●	●	●	●	●	●	●	●
	Auto-restart	The unit restarts automatically at the original settings after power failure				●	●	●	●	●	●	●	●	●	●
	°C/°F setting	Temperature unit °C or °F can be set according to your usage habits				●	●	●	●	●	●	●	●	●	●
	Long-distance on/off function	Long-distance startup or shutoff the system by weak electricity external devices				●	●	●	●	●	●	●	●	●	●
EXTENDED FUNCTIONS	Humidifier connection	Additional expansion board can achieve third-party humidifier connection				○	×	○	○	○	○	○	○	○	○
	Dehumidifier connection	Additional expansion board can achieve third-party dehumidifier connection				○	×	○	○	○	○	○	○	○	○
	Electric heater connection	Additional expansion board can achieve third-party electric heater connection				○	×	○	○	○	○	○	○	○	○
	Refrigerant leak sensor connection	Additional expansion board can achieve refrigerant leak sensor connection				○	×	○	○	○	○	○	○	○	○
	CO2 sensor connection	Additional expansion board can achieve CO2 sensor connection				○	×	○	○	○	○	○	○	○	○
	PM2.5 sensor connection	Additional expansion board can achieve PM2.5 sensor connection				○	×	○	○	○	○	○	○	○	○
	Third-party controller connection	Third party controller can realize mode, fan speed and temperature control				○	×	○	○	○	○	○	○	○	○
	Long-distance on/off function	Long-distance startup or shutoff the system by strong electricity external devices				○	×	○	○	○	○	○	○	○	○
	Long-distance alarm function	Long-distance alarm when an error occurs				○	×	○	○	○	○	○	○	○	○
Multiple protections	Multiple protections make the unit run more reliably				●	●	●	●	●	●	●	●	●	●	

Note:

- Use the display box which is equipped with a human detect sensor.
- The program upgrade function needs to be implemented through Bluetooth Module or Data Cloud Gateway. The Bluetooth Module and Data Cloud Gateway needs to be purchased separately.
- Only when the unit is installed on the ceiling.

TVR LINK



2000M

Communication distance up to

Independent Power Supply

Some indoor units shut down without shutting down the whole VRF system.



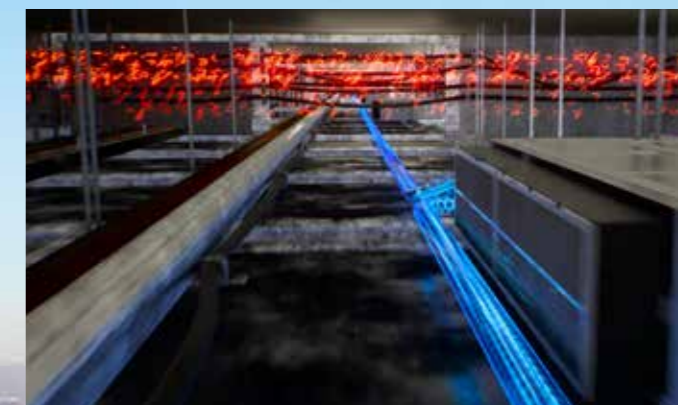
Any Topology Communication

The communication wire supports tree connection, star connection, ring connection and so on.



Super Anti-interference Capability

Special waveform restoration technology enhances anti-interference performance for more stable communication.





Frosting

Frost makes the surface of heat exchanger dirt stripping



Defrosting

Water flow flushes dirt from heat exchanger



Drying

55°C high temperature drying water, effective sterilization



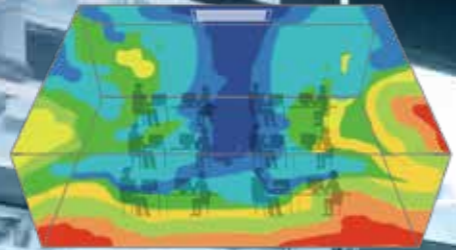
HEAT EXCHANGER SELF-CLEANING*

* Heat exchanger self-cleaning function can be available only when 7G Mini is connected.

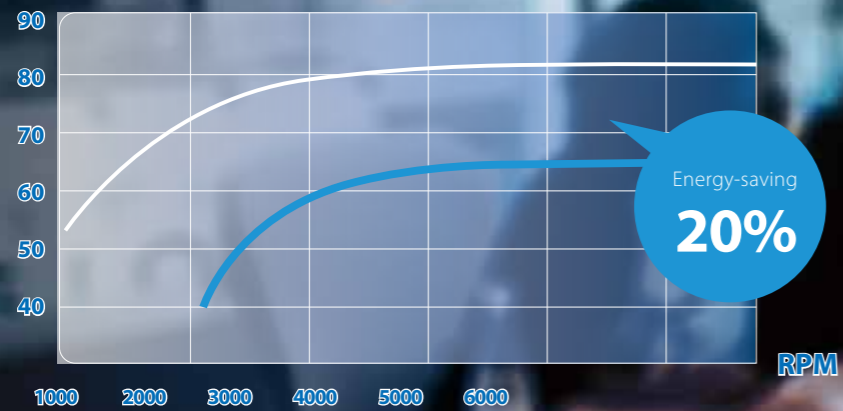


Full DC Electronic Components

The fan motor and water pump are DC power supply, making the temperature control more precise and the indoor temperature more uniform.



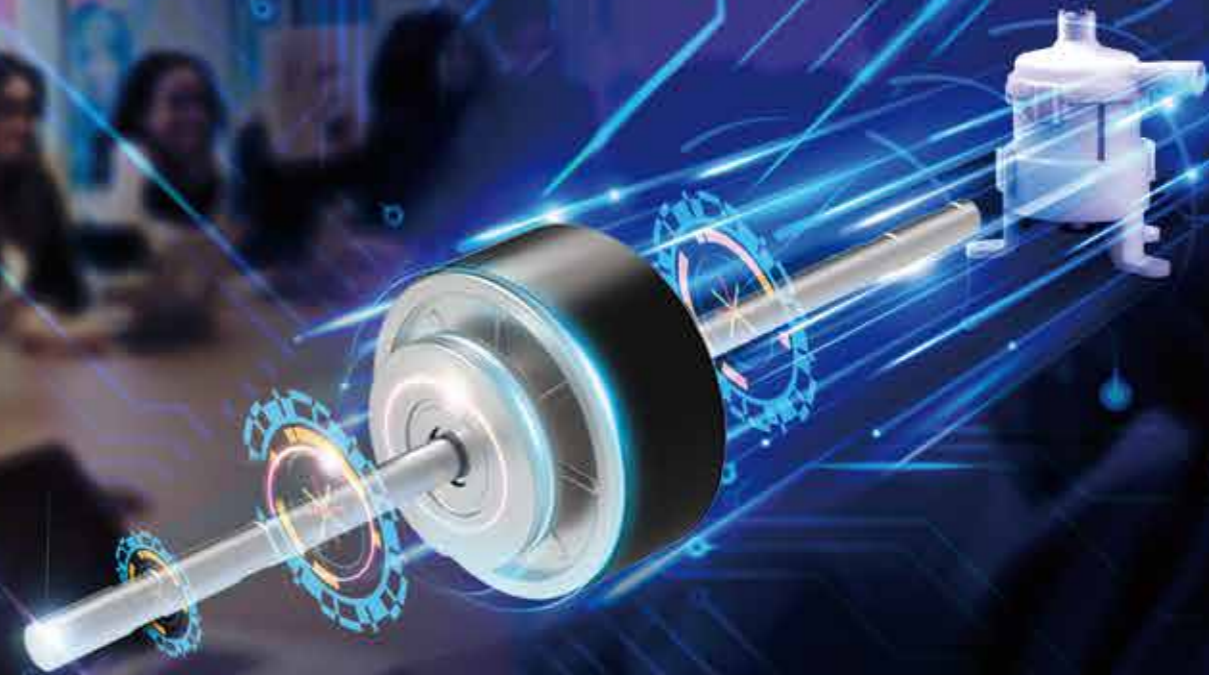
Efficiency %



Energy-saving

20%

RPM



Optional Multi-Functional Expansion Board





Free drainage



Quiet operation



High-lift drain pump



One-Way Cassette



COMFORT

Digital Display On/Off

Indoor unit displays can be shut off at night, creating a better environment for rest.



Buzzer Sound On/Off

Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



Quiet Operation

By optimizing the design of fan motor, air duct and heat exchanger, the new duct operates with noise as low as 22dB(A), creating a quieter and more comfortable environment



HEALTH

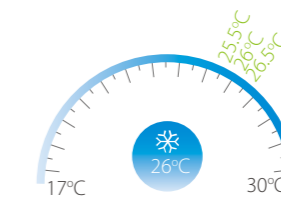
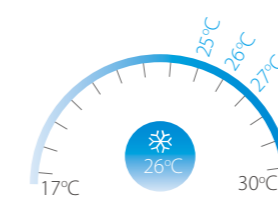
Automatic anti-condensation

The One-way Cassette can automatically enter and exit the anti-condensation mode by detecting its own operation data; In the anti-condensation mode, the machine can change the outlet angle of the guide vane intermittently to prevent the local temperature difference of the guide panel from being too large and avoid the occurrence of condensation.



0.5°C/1°C Setting Temperature Adjustment

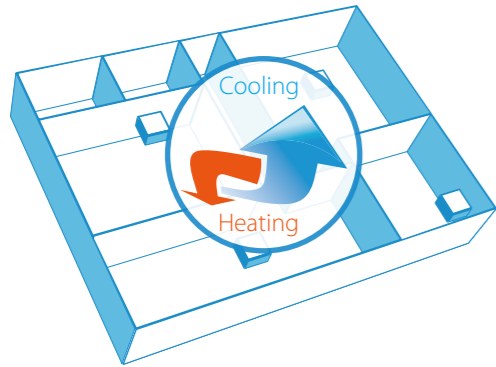
Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



WIDER APPLICATION

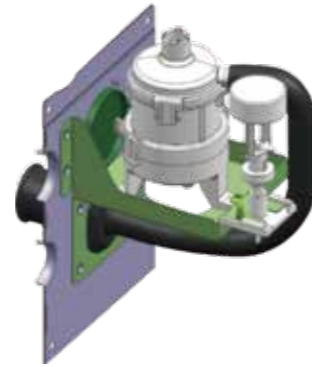
Auto Cooling-heating Changeover

Automatically selects cooling or heating mode to achieve the set temperature.



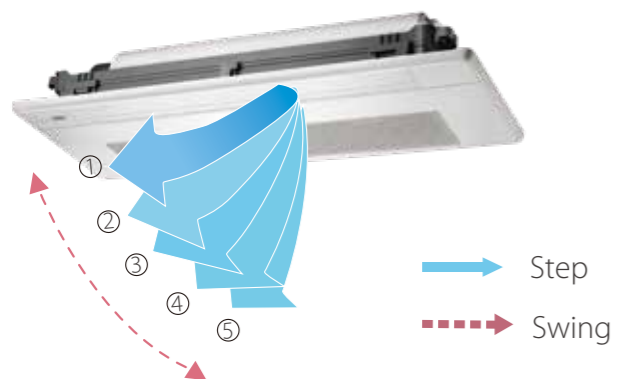
Digital feedback DC water pump

Digital feedback DC water pump: actively sense the pump speed and water flow to determine whether there is jamming attenuation or damage, and give early warning to avoid water leakage.



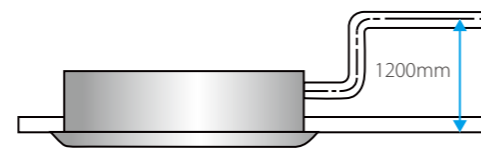
Multiple Steps Vertical Swing

There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs. Air supply angle 25-80°.



High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



Free drainage



Quiet operation



High-lift drain pump



Two-Way Cassette

COMFORT

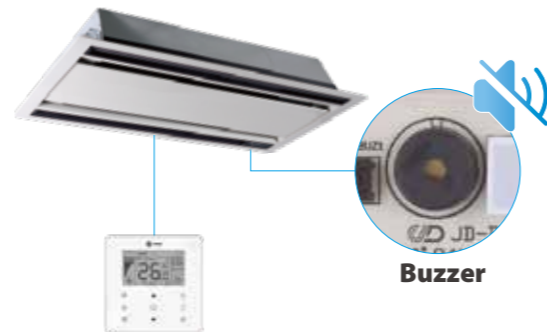
Digital Display On/Off

Indoor unit displays can be shut off at night, creating a better environment for rest.



Buzzer Sound On/Off

Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



Quiet Operation

The fan motor and water pump are DC power supply, which is more energy-saving and silent than AC power supply, creating a more quiet and comfortable environment



HEALTH

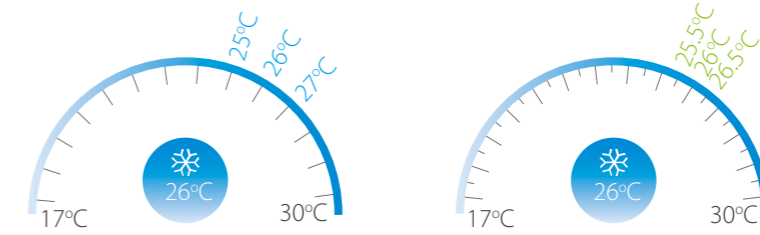
Automatic anti-condensation

The Two-way Cassette can automatically enter and exit the anti-condensation mode by detecting its own operation data; In the anti-condensation mode, the machine can change the outlet angle of the guide vane intermittently to prevent the local temperature difference of the guide panel from being too large and avoid the occurrence of condensation.



0.5°C/1°C Setting Temperature Adjustment

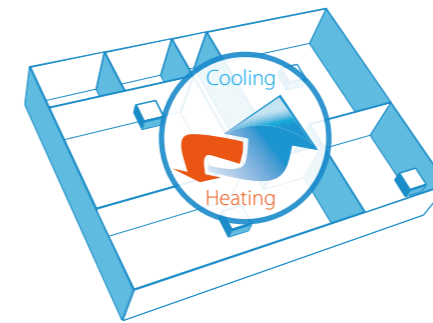
Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



WIDER APPLICATION

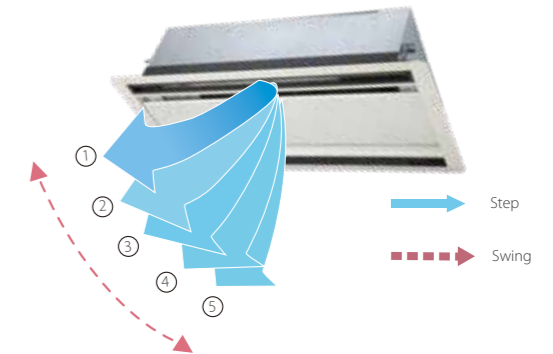
Auto Cooling-heating Changeover

Automatically selects cooling or heating mode to achieve the set temperature.



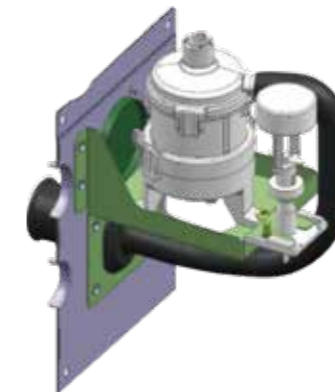
Multiple Steps Vertical Swing

There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs. Air supply angle 35-65°.



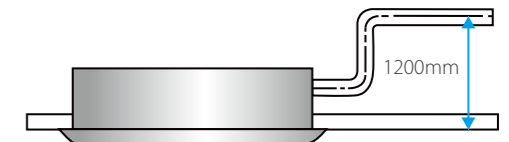
Digital feedback DC water pump

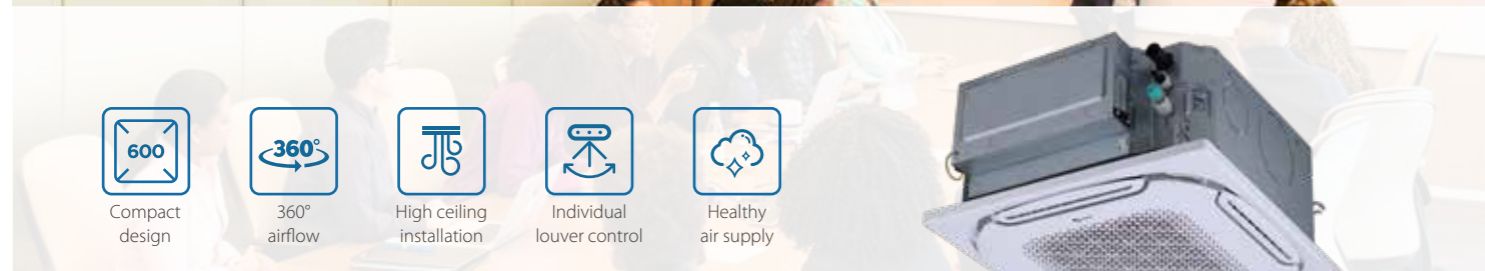
Digital feedback DC water pump: actively sense the pump speed and water flow to determine whether there is jamming attenuation or damage, and give early warning to avoid water leakage.



High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.





Compact design



360° airflow



High ceiling installation



Individual louver control



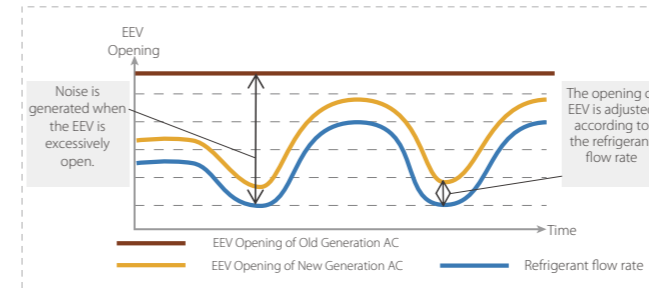
Healthy air supply

Compact Four-Way Cassette

COMFORT

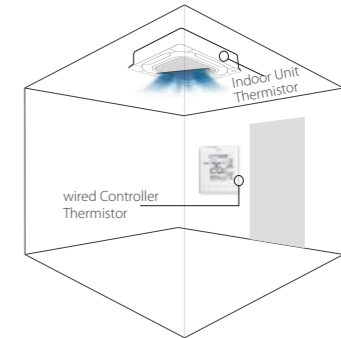
EEV automatic adjustment

When in heating standby mode, the indoor unit automatically adjusts the EEV opening according to the load to eliminate noise of refrigerant flowing.



Two thermistors control

The indoor temperature can be checked using the thermistor in the wired controller as well as from the indoor unit



Human Detect Sensor*

Using millimeter-wave radar sensor controller automatically turns indoor units on or off upon detecting that the room is occupied or unoccupied, ensuring climate control whilst minimizing energy consumption.



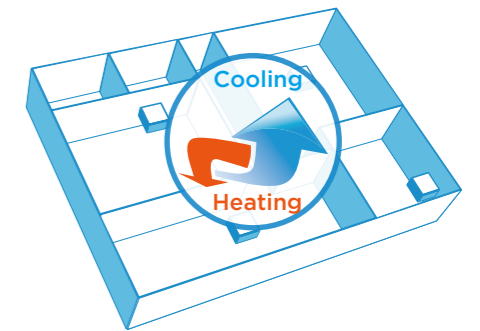
The indoor unit automatically runs when detecting human body

The indoor unit automatically stops when detecting absence

*This function is available as a customization option for 7G Compact Four Way Cassette.

Auto Cooling-heating Changeover

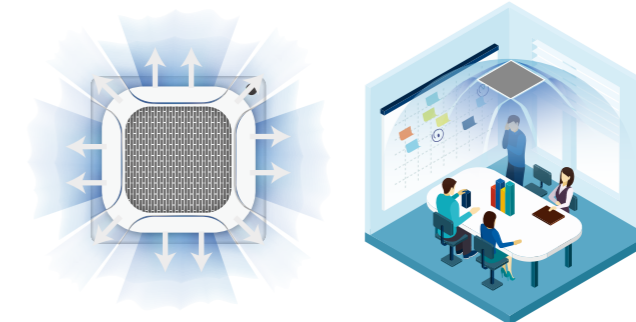
Automatically selects cooling or heating mode to achieve the set temperature.



AIR FLOW

360° Airflow

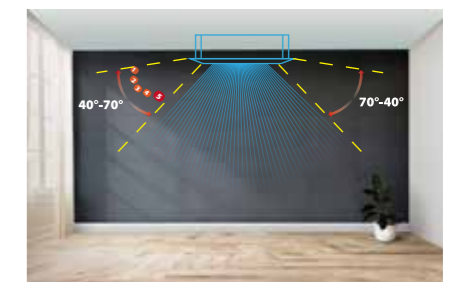
New design, round airflow path ensures uniform airflow and temperature distribution.



The continuous air supply port air supply area increases by 20%

Multiple Steps Vertical Swing

The Compact Four-way Cassette unit has a wide range of airflow angles from 40° to 70° and is equipped with a 5-step louver control and auto swing mode to better meet the needs of different customers



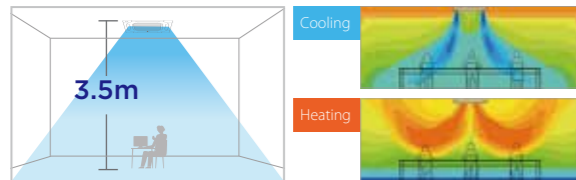
7 Fan Speeds

7 indoor fan speed options to meet the needs of different indoor conditions.



Long Distance Air Delivery

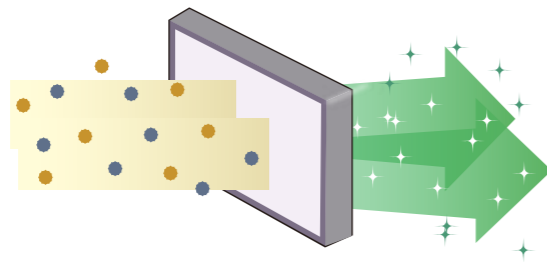
The Compact Four-way Cassette has an additional 30Pa static pressure for long airflow delivery and is capable of being used in spaces up to 3.5m in floor height.



HEALTH

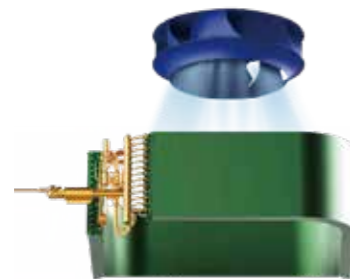
Optional F6-class Air Filter

The Compact Four-way Cassette supports 30Pa external static pressure for the F6-class filter installation. Filtering effect of the F6-class filter reaches up to 80% against particles (particle size > 1µm), creating a cleaner living environment.



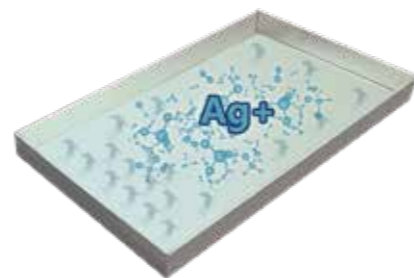
Mildew proof of heat exchanger

When the indoor unit is turned off in cooling mode, the fan is still on, and dry the heat exchanger to avoid mold on the heat exchanger.



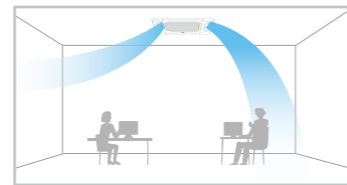
Silver Ions drain pan (optional)

Slow-released nano-silver ions can keep the drain pan free of mold for a long time.



Individual Louver Control

The Individual louver control can control the motors separately, making it possible to control all four louvers independently.



Soft Wind Mode

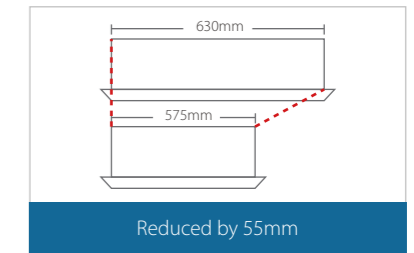
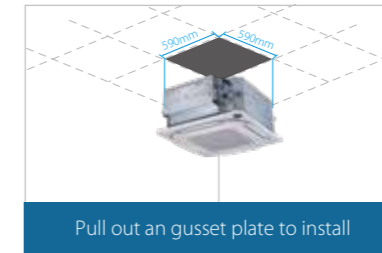
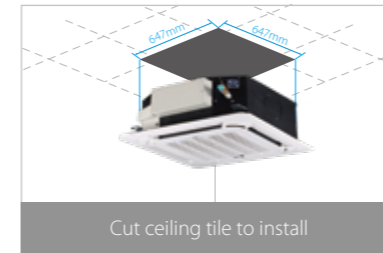
Supplies air against the ceiling to create windless environment.



EASY INSTALLATION

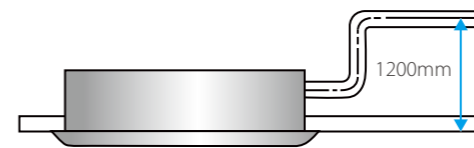
Compact and stylish design

New Compact Four-way Cassette panel size is fit into the ceiling tile (620mm × 620mm), making installation easier.



High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



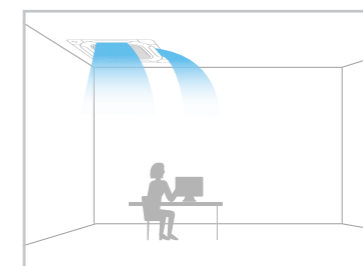
Water level switch

When the drain pipe is blocked or the drain pipe is poor, the water level switch is turned off, and there is no need to worry about overflowing the ceiling.

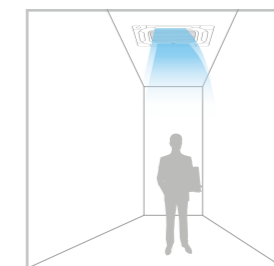


Air baffle fittings for irregular rooms

Some air discharge ports can be blocked with air baffle to optimize air distribution in irregular shaped rooms. Air outlets can be blocked with accessories, which can be found in the packing material.



At the corner



In the narrow room



- 
 360°
airflow
- 
 Individual
louver control
- 
 Healthy
air supply

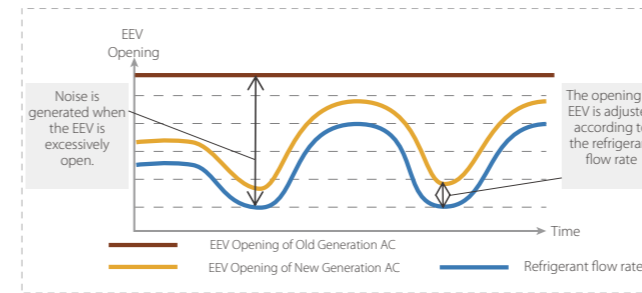
Four-Way Cassette



COMFORT

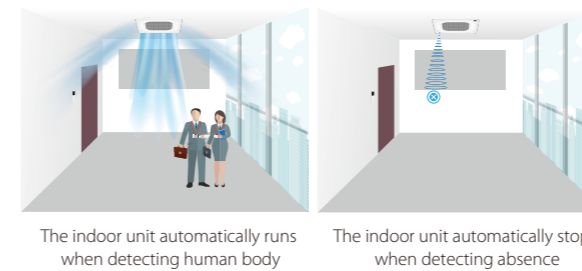
EEV automatic adjustment

When in heating standby mode, the indoor unit automatically adjusts the EEV opening according to the load to eliminate noise of refrigerant flowing.



Human Detect Sensor*

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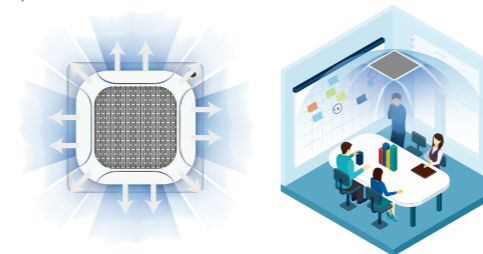


*This function is available as a customization option for 7G Four Way Cassette.

AIR FLOW

360° Airflow

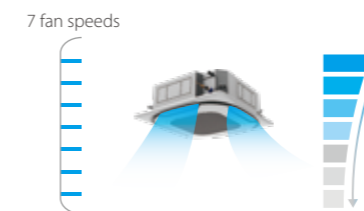
New design, round airflow path ensures uniform airflow and temperature distribution.



The continuous air supply port air supply area increases by 20%

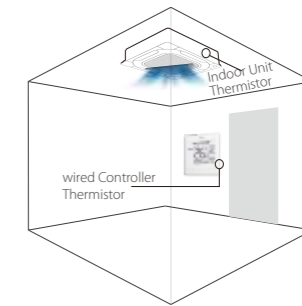
7 Fan Speeds

7 indoor fan speed options to meet the needs of different indoor conditions.



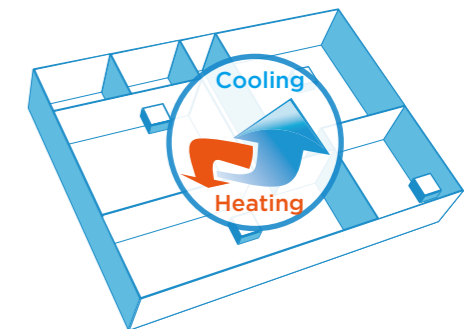
Two thermistors control

The indoor temperature can be checked using the thermistor in the wired controller as well as from the indoor unit



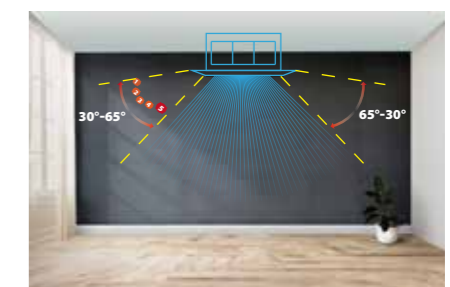
Auto Cooling-heating Changeover

Automatically selects cooling or heating mode to achieve the set temperature.



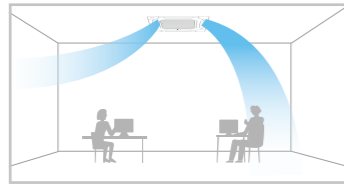
Multiple Steps Vertical Swing

The Four-way Cassette unit has a wide range of airflow angles from 30° to 65° and is equipped with a 5-step louver control and auto swing mode to better meet the needs of different customers



Individual Louver Control

The Individual louver control can control the motors separately, making it possible to control all four louvers independently.



Soft Wind Mode

Supplies air against the ceiling to create windless environment.



HEALTH

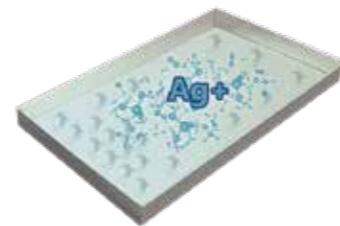
Mildew proof of heat exchanger

When the indoor unit is turned off in cooling mode, the fan is still on, and dry the heat exchanger to avoid mold on the heat exchanger.



Silver Ions drain pan (optional)

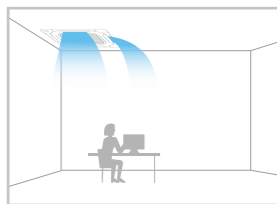
Slow-released nano-silver ions can keep the drain pan free of mold for a long time.



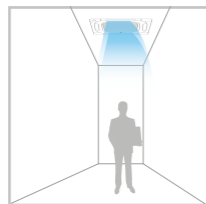
EASY INSTALLATION

Air baffle fittings for irregular rooms

Some air discharge ports can be blocked with air baffle to optimize air distribution in irregular shaped rooms. Air outlets can be blocked with accessories, which can be found in the packing material.



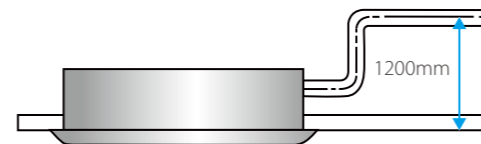
At the corner



In the narrow room

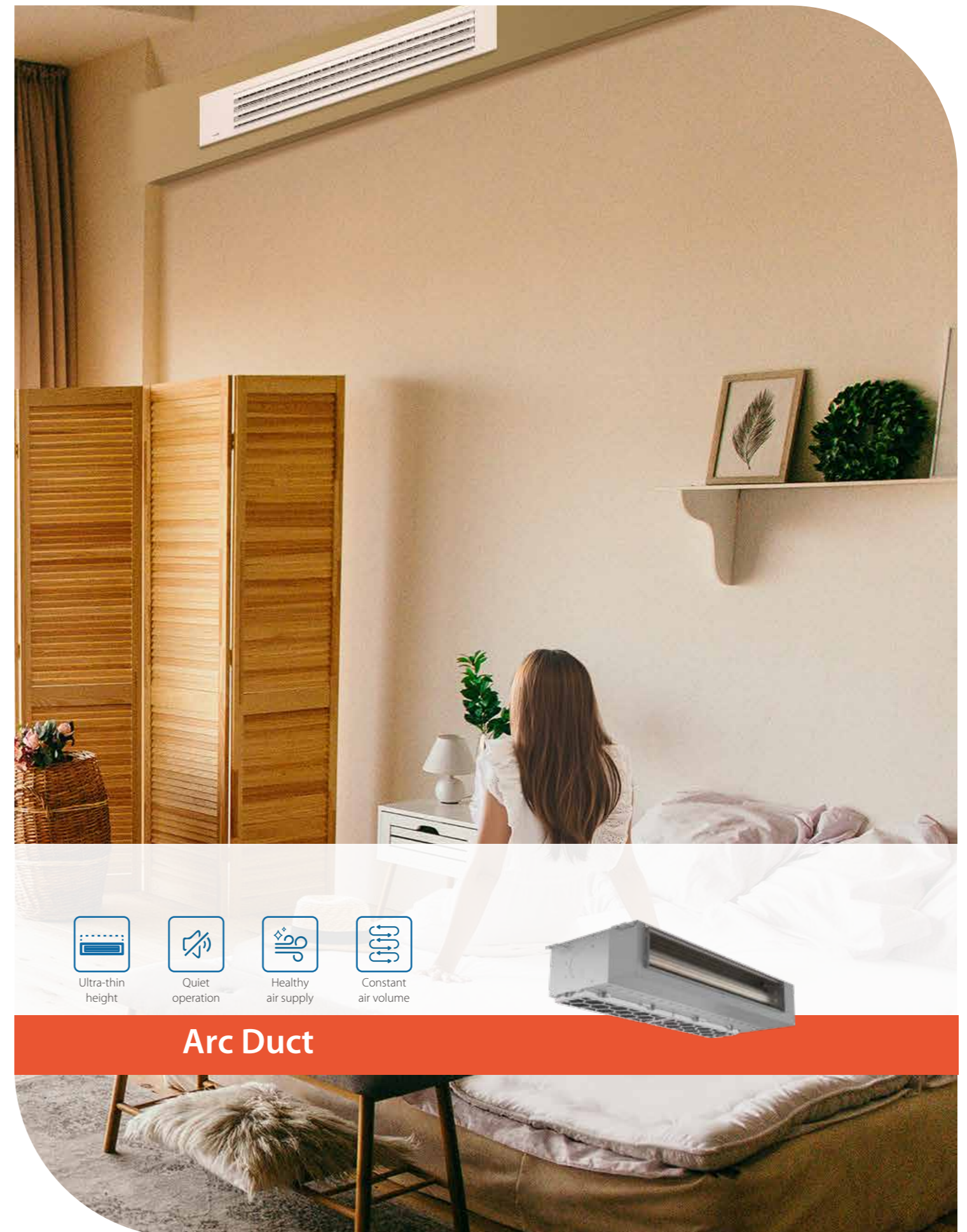
High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



Water level switch

When the drain pipe is blocked or the drain pipe is poor, the water level switch is turned off, and there is no need to worry about overflowing the ceiling.



Ultra-thin height



Quiet operation



Healthy air supply



Constant air volume

Arc Duct

COMFORT

Quiet Operation

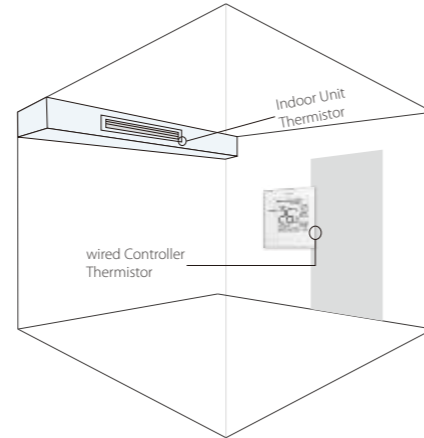
By optimizing the design of fan motor, air duct and heat exchanger, the new duct operates with noise as low as 22dB(A), creating a quieter and more comfortable environment.



- Fan motor noise reduction
- Air duct noise reduction
- Heat exchanger noise reduction

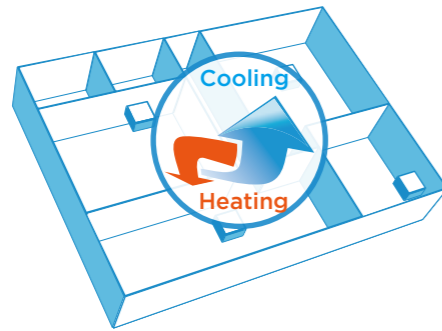
Two thermistors control

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Auto Cooling-heating Changeover

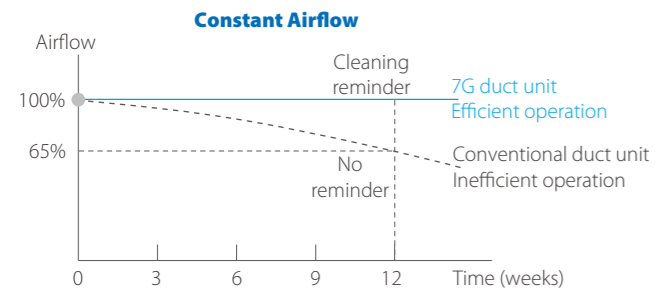
Automatically selects cooling or heating mode to achieve the set temperature.



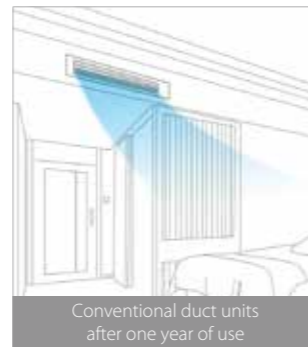
AIR FLOW

Constant Airflow

Constant airflow technology can realize the airflow output is not affected by installation conditions and use conditions, ensuring the constant airflow supply.



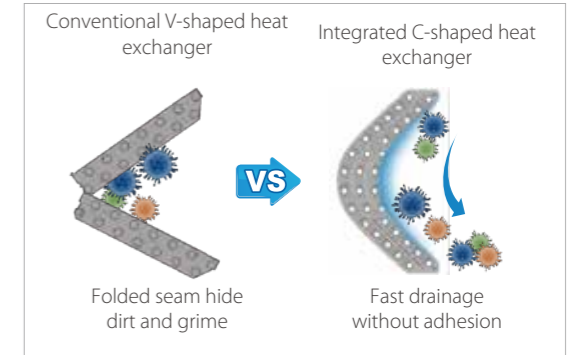
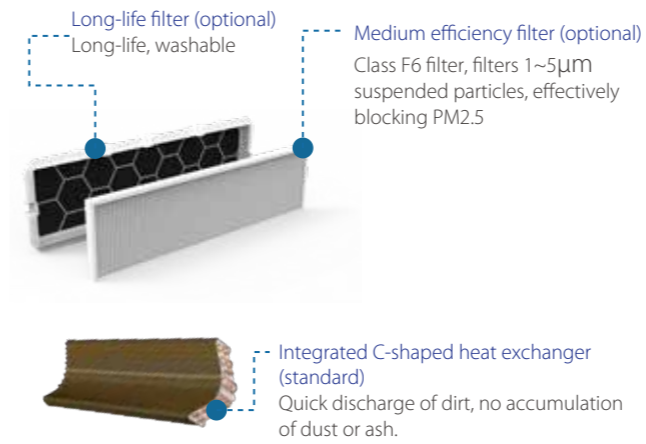
*Data measured in the UX lab of Trane



HEALTH

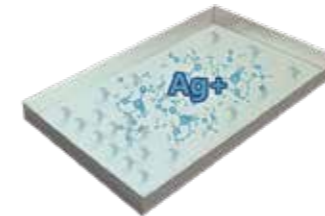
Healthy Air Supply

The Arc Duct unit adopts an integrated C-shaped heat exchanger that allows for fast drainage and no dust or ash accumulation. The optional long-life filter, medium-life filter further enhance the air quality of the air supply and create a healthy environment.



Silver Ions drain pan (optional)

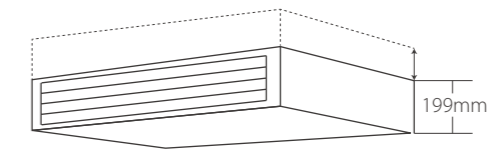
Slow-released nano-silver ions can keep the drain pan free of mold for a long time.



EASY INSTALLATION

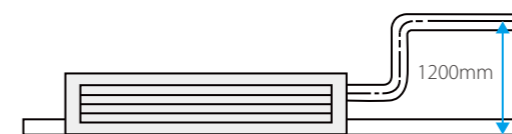
Ultra-thin Body

Ultra-thin body design, the body height of the whole series is only 199mm, greatly saving space and more flexible installation.



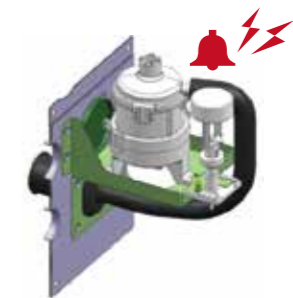
High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



Fault Feedback

Early warning of drain pump fault.





Compact design



Healthy air supply



Constant air volume



Flexible installation



Medium Static Pressure Duct

COMFORT

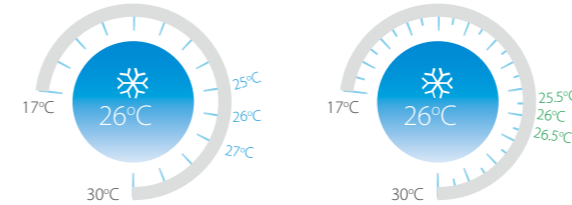
Quiet Operation

By optimizing the design of fan motor, air duct and heat exchanger, the new duct operates with noise as low as 22dB(A), creating a quieter and more comfortable environment.



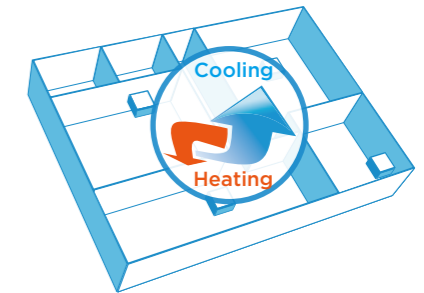
0.5°C/1°C Setting Temperature Adjustment

Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



Auto Cooling-heating Changeover

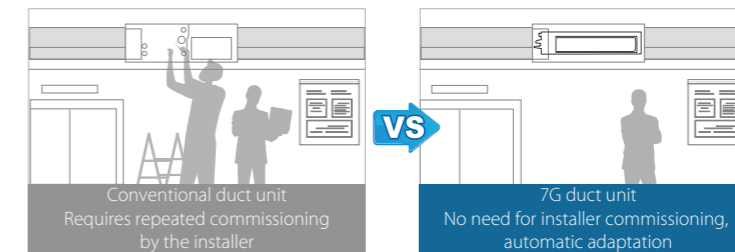
Automatically selects cooling or heating mode to achieve the set temperature.



AIR FLOW

Adaptive Duct Length and Filter Resistance

By digital fan motor and a specially designed independent drive chip enables precise control and output on demand. It can automatically adapt to duct lengths from 10 to 160 Pa equivalent static pressure without intervention from the installer.



HEALTH

Optional High Efficiency HEPA Filter*

A static pressure of up to 160 Pa enables the application of medical-grade HEPA filters, and even small capacity models can be equipped with high-efficiency filters, efficiently filtering fine particles of 0.5 microns with an efficiency of over 99%.

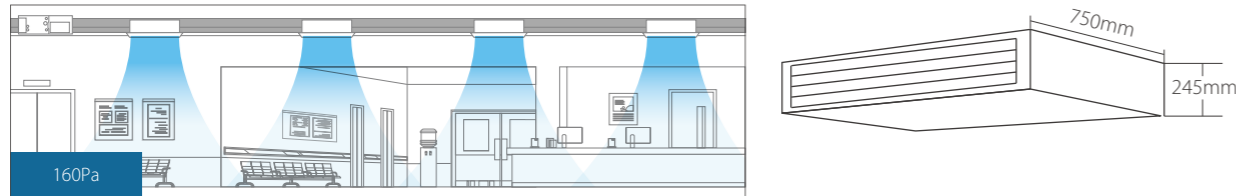


* This function is available as a customization option.

EASY INSTALLATION

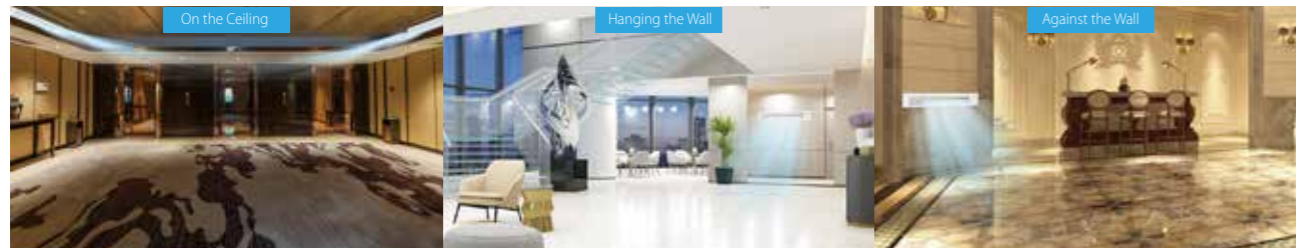
Thin Body with High ESP

All models have a static pressure of 160 Pa and a thickness of only 245 mm. The high static pressure allows air to be delivered over longer distances without loss of cooling and heating effect. Especially suitable for long and narrow spaces.



3 Way flexible installation*

It is possible to install and connect the outdoor unit in 3 different ways for Duct, providing flexibility to accommodate a wide range of room designs.



*Hanging the Wall and Against the Wall are available as customization options.

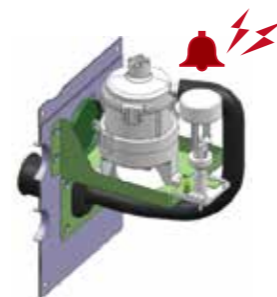
High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



Fault Feedback

Early warning of drain pump fault.



- Compact design
- Healthy air supply
- Constant air volume
- Flexible installation

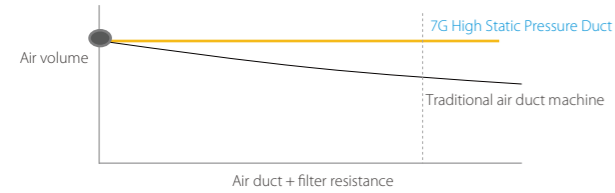
High Static Pressure Duct



AIR FLOW

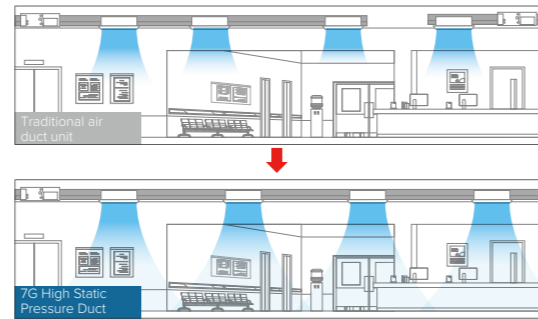
Constant Airflow Technology

Through the independent constant air volume digital fan technology, the air volume is independently detected and adjusted to realize constant air volume and no attenuation in the whole life.



Ultra-high static pressure

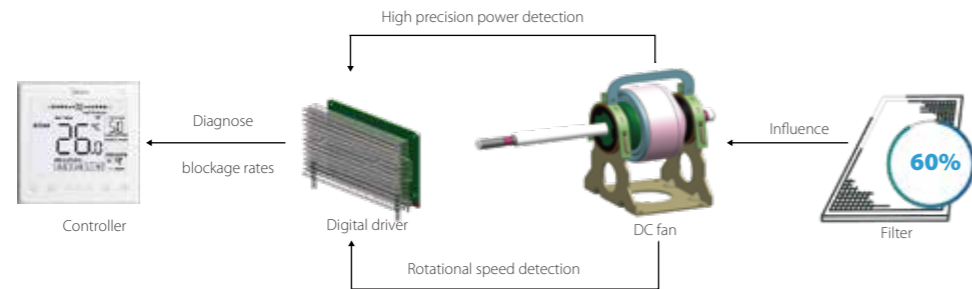
The static pressure can reach 250Pa(5.6-16kW) or 400Pa(20-56kW), so the air supply distance is longer. Especially in long and narrow spaces such as corridors, it can reduce the number of units used and save investment costs..



HEALTH

Visualization of dirty blockage rate

Built-in self-learning model can detect the real-time resistance of the filter screen and restore the true state of the filter screen. 10 levels blockage rates can be accurately identified and displayed on the controller, reminding the user to clean the filter in time.



Innovative Puro-air Kit

Protectors of health and safety

OSRAM From Germany -OSRAM quality UV light source

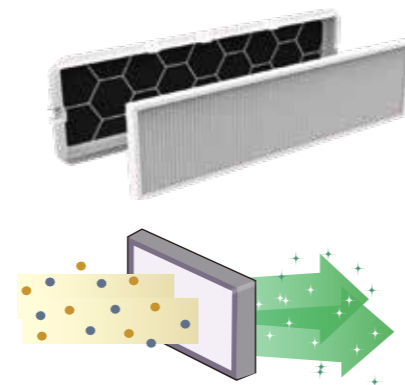
Ozone-Free
UV leakage-Free

*The indoor unit needs to be customized in order to use the Puro-air Kit.



Efficiency filter screen

Optional F7 or H13-class air filter, Equipped with H13 HEPA high-efficiency filter screen, it can filter 0.5 micron extremely fine particles, and the primary filtration efficiency is more than 99.95%.

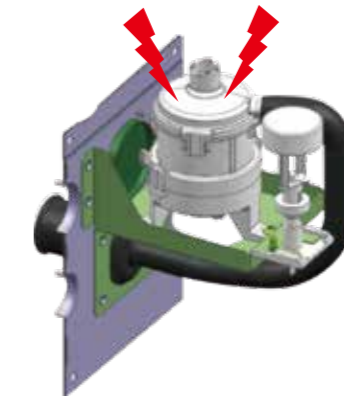


WIDER APPLICATION

Intelligent leak feedback

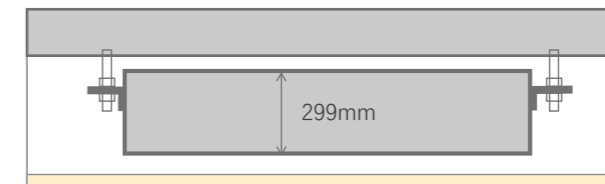
Digital feedback DC water pump, Take the initiative to sense the pump speed and water flow, judge whether there is jamming attenuation or damage, and give early warning to avoid water leakage

Integrated drainage pipe design reduces the sealing points of traditional design from 6 to 2, reduces breakpoints and reduces leakage risks



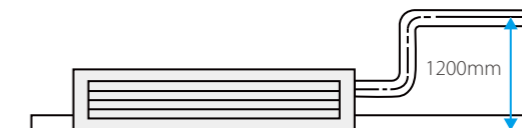
Ultra-thin fuselage

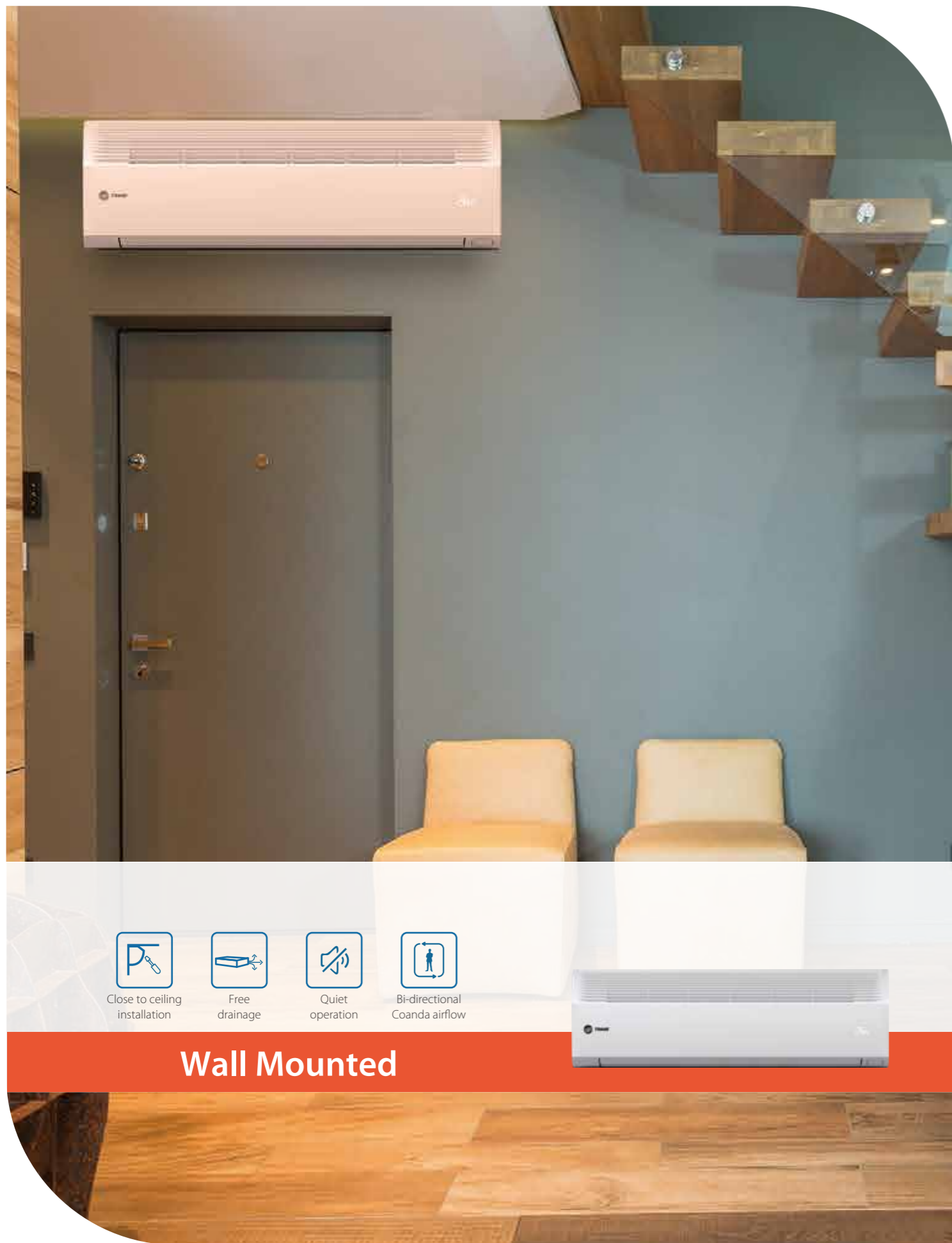
For High static pressure duct(5.6-16kW), the fuselage thickness is only 299mm, the height required for ceiling installation is greatly reduced which leads to be able to cope with more installation situations.



High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



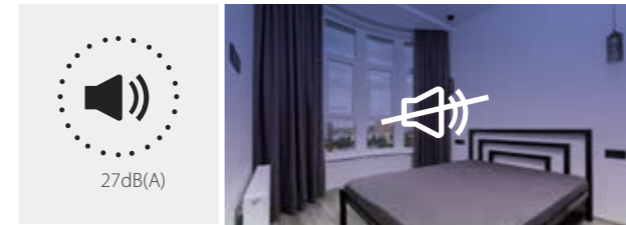


Wall Mounted

COMFORT

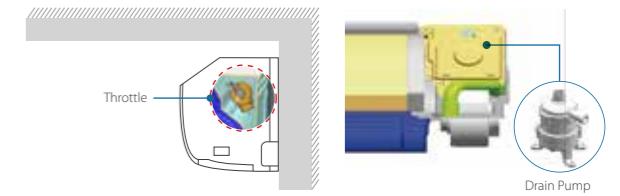
Quiet Operation

The minimum noise level of Wall Mounted is as low as 27dB(A), ideal for hotels and other noise-sensitive locations.



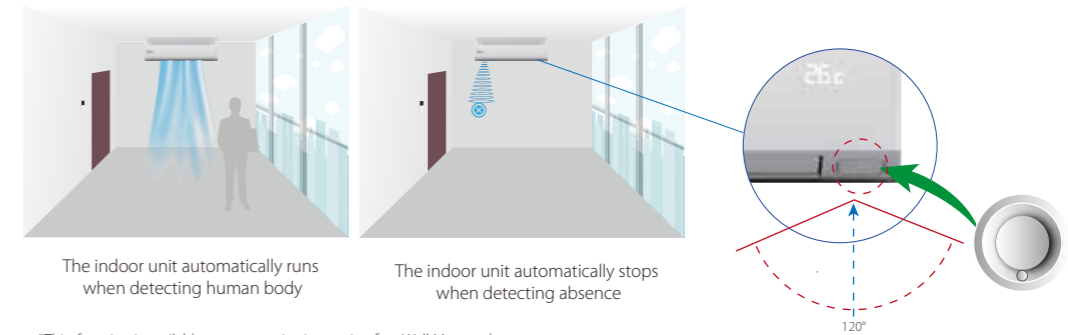
Enclosed design

For Wall Mounted throttling parts and drain pumps adopt closed design, reducing noise.



Human Detect Sensor*

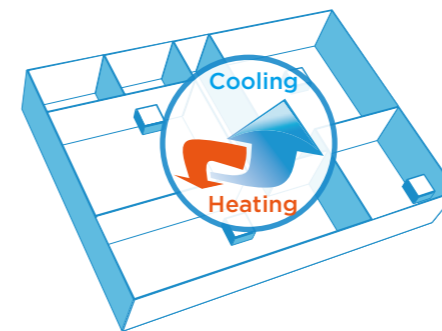
Using millimeter-wave radar sensor controller automatically turns indoor units on or off upon detecting that the room is occupied or unoccupied, ensuring climate control whilst minimizing energy consumption.



*This function is available as a customization option for Wall Mounted.

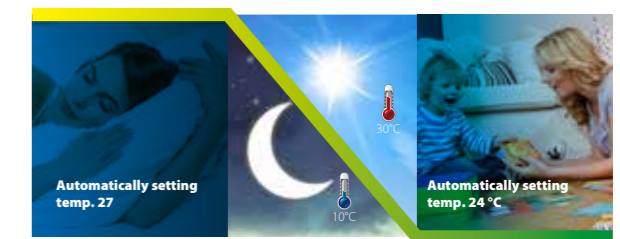
Auto Cooling-heating Changeover

Automatically selects cooling or heating mode to achieve the set temperature.



Sleep Mode

The smart sleep mode provides a comfortable sleep period and a refreshing wake up time.



*Temperature on left is for reference.

AIR FLOW

3D Air Flow*

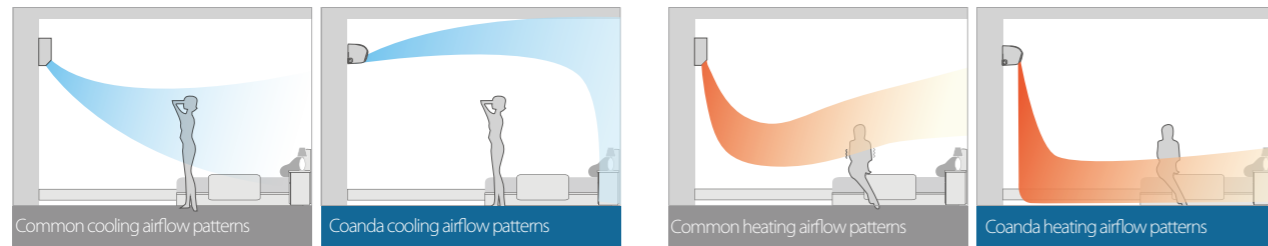
Possibility to select automatic vertical and horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution.



*Horizontal Swing function is available as a customization option for Wall Mounted.

Bi-directional Coanda Airflow

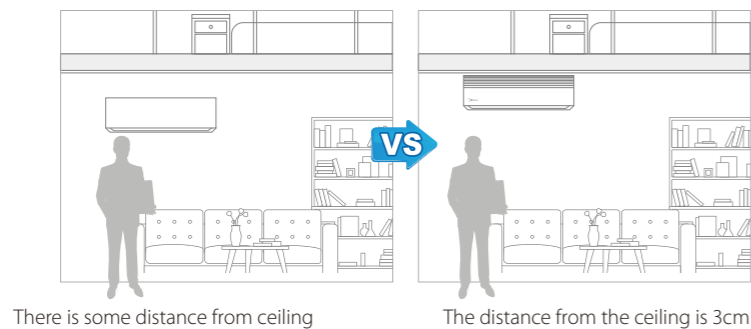
With bi-directional Coanda airflow delivery technology, the cold air does not blow directly on people and the hot air warms up evenly from the feet for better comfort.



EASY INSTALLATION

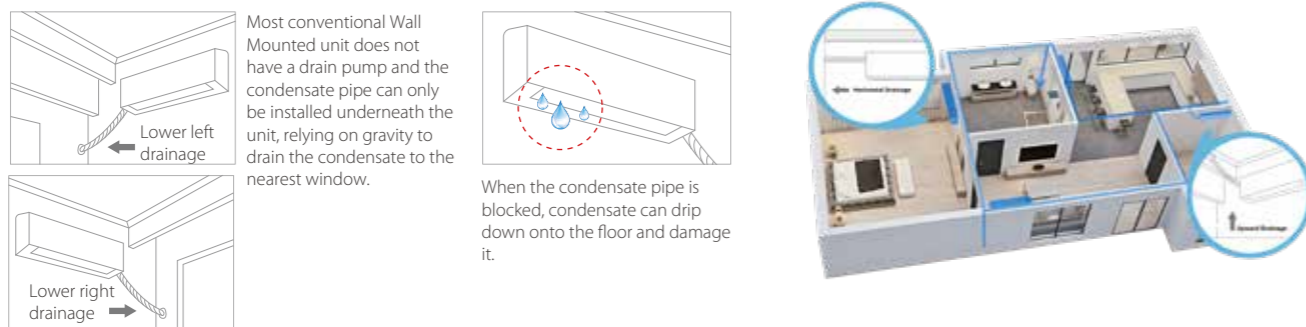
Ceiling Mounting

The Wall Mounted new heat exchanger is designed to meet the installation requirements close to the ceiling, and the minimum distance from the ceiling is 3cm.



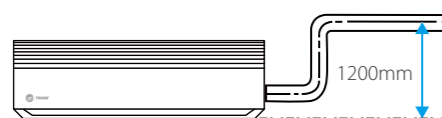
Free Drainage without Space Restrictions

The Wall Mounted can realize horizontal drainage, downward drainage, upward drainage, making installation more flexible.



High-lift drain pump*

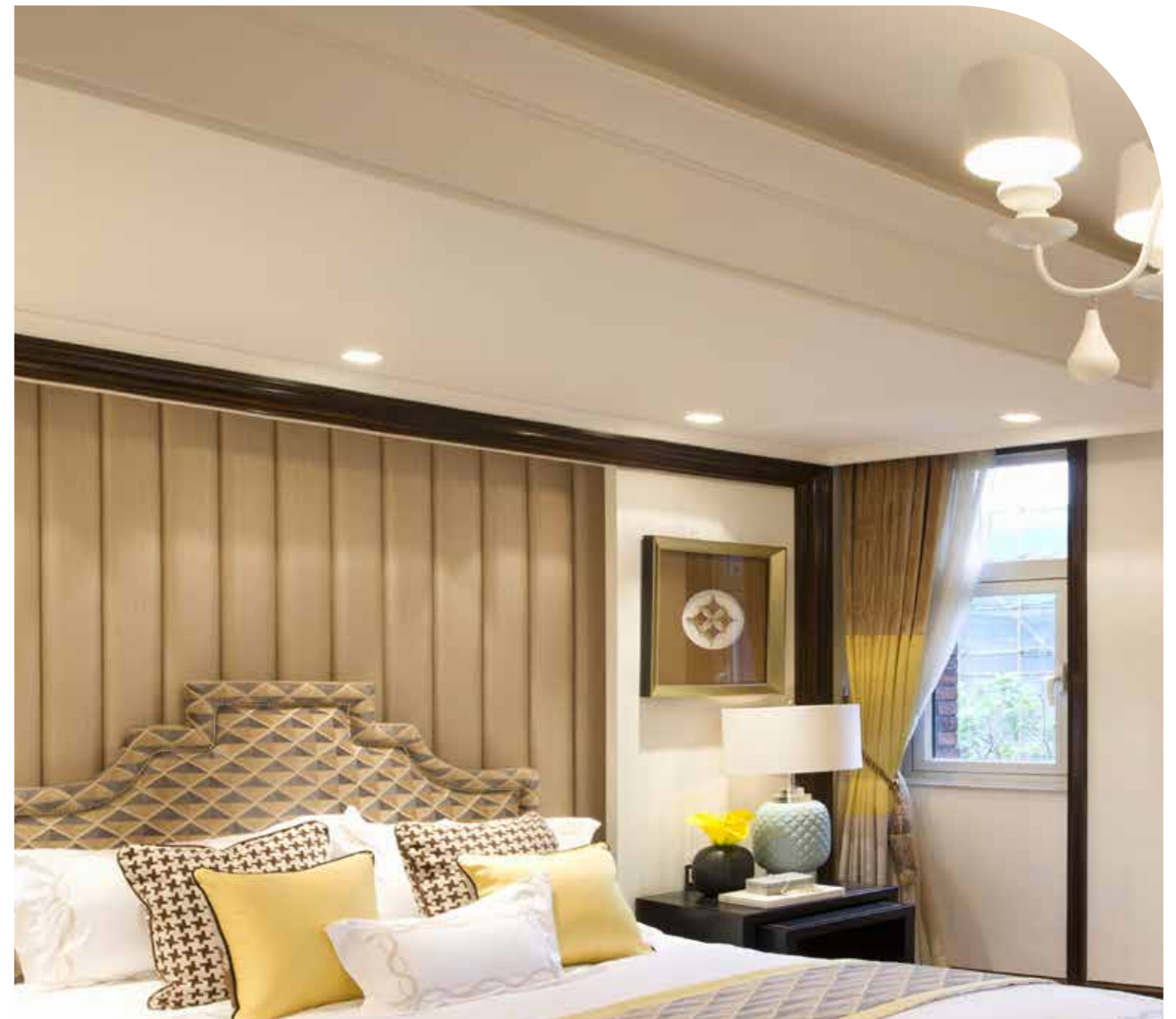
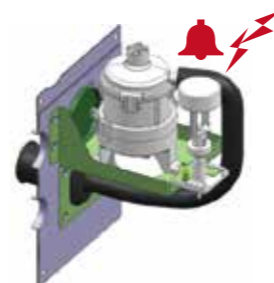
A drain pump with a 1200mm raise height is fitted as a customization option, simplifying installation of the drain piping.



*The drain pump is available as a customization option.

Fault Feedback

Early warning of drain pump fault.



Floor Standing F3-F4-F5



COMFORT

Digital Display On/Off

Indoor unit displays can be shut off at night, creating a better environment for rest.



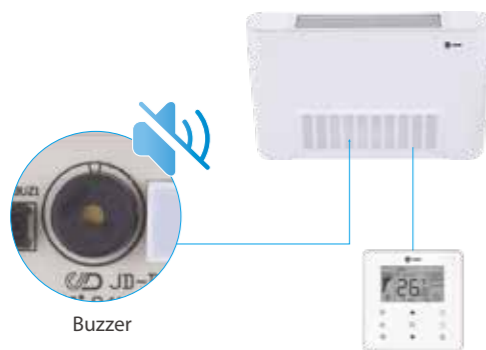
Quiet Operation

The fan motor is DC power supply, which is more energy-saving and silent than AC power supply, creating a more quiet and comfortable environment.



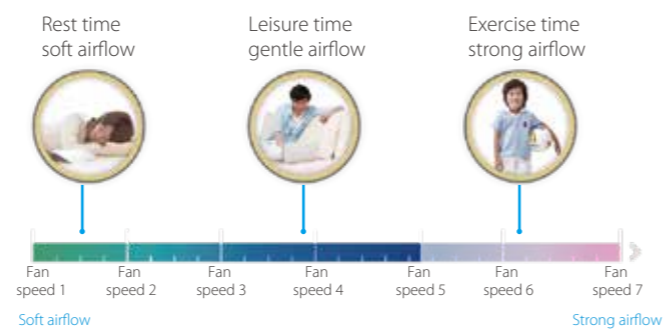
Buzzer Sound On/Off

Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



Multiple Fan Speeds

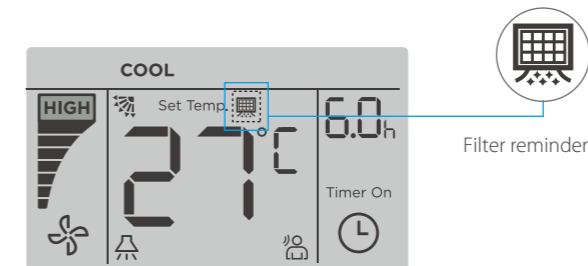
7 indoor fan speeds provide control flexibility to meet the needs of different indoor conditions.



HEALTH

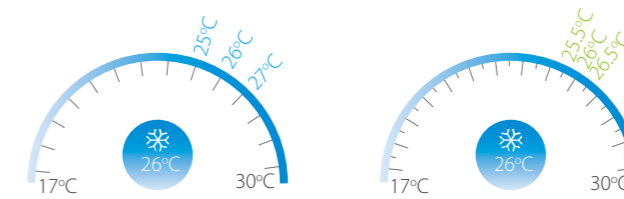
Dirty Filters Indicator Signal

The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



0.5°C/1°C Setting Temperature Adjustment

Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



WIDER APPLICATION

Multiple Appearance Options

The Floor Standing Unit has three appearance options to meet different installation requirement, the F3 (concealed) unit is designed to be concealed in walls while the F4 (front air intake) and F5 (underside air intake) offer a choice of air intake options.



F3 (concealed)



F4 (front air intake)



F5 (underside air intake)



Healthy air supply



Multi-functional Expansion



Flexible installation



Ceiling&Floor



Feature

Two Installation Options

A sleek design suits installation either on the ceiling or floor, providing flexibility to accommodate a wide range of room designs.



The unit can be installed either horizontally on the ceiling or vertically against the wall.

Quiet Operation

The fan motor and water pump* are DC power supply, which is more energy-saving and silent than AC power supply, creating a more quiet and comfortable environment



Fan Motor

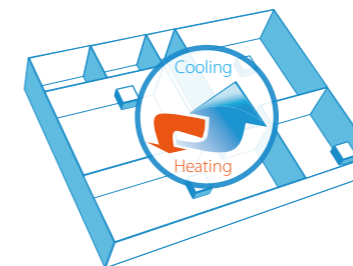


Drain Pump

*Drain Pump is available as a customization option for unit

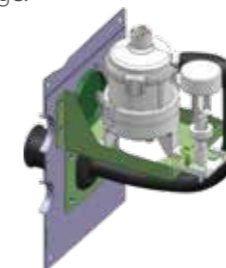
Auto Cooling-heating Changeover

Automatically selects cooling or heating mode to achieve the set temperature.



Digital feedback DC water pump*

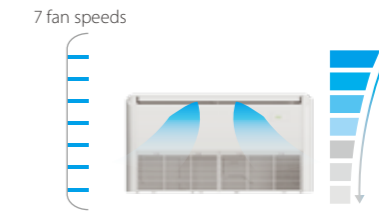
Digital feedback DC water pump: actively sense the pump speed and water flow to determine whether there is jamming attenuation or damage, and give early warning to avoid water leakage.



*Drain Pump is available as a customization option for unit

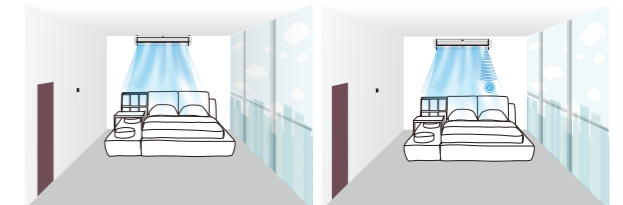
Multiple Steps Vertical Swing

There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs. Air supply angle 35-65°.



Human Detect Sensor*

Using millimeter-wave radar sensor controller automatically turns indoor units on or off upon detecting that the room is occupied or unoccupied, ensuring climate control whilst minimizing energy consumption.



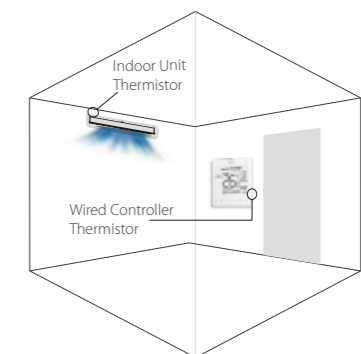
The indoor unit automatically runs when detecting human body

The indoor unit automatically stops when detecting absence

*This function is available as a customization option for unit.

Two thermistors control

The indoor temperature can be checked using the thermistor in the wired controller as well as from the indoor unit





Specifications

- One-Way Cassette
- Two-Way Cassette
- Compact Four-Way Cassette
- Four-Way Cassette
- Arc Duct
- Medium Static Pressure Duct
- High Static Pressure Duct
- Wall Mounted
- Floor Standing
- Ceiling&Floor

Specifications

One-Way Cassette

Model name		4TVAD006AB 07RAA	4TVAD007AB 07RAA	4TVAD009AB 07RAA	4TVAD012AB 07RAA	4TVAD015AB 07RAA	4TVAD019AB 07RAA	4TVAD024AB 07RAA			
Power supply		1-phase, 220-240V, 50/60Hz									
Cooling ¹	Capacity	kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1		
		kBut/h	6.1	7.5	9.6	12.3	15.4	19.1	24.2		
	Input	W	25	25	30	30	40	48	60		
Heating ²	Capacity	kW	2.2	2.6	3.2	4.0	5.0	6.3	8.0		
		kBut/h	7.5	8.9	10.9	13.6	17.1	21.5	27.3		
	Input	W	25	25	30	30	40	48	60		
Airflow rate ³	m ³ /h	380/355/330/300/286/263/240		460/440/410/380/355/330/300		693/662/638/600/556/510/476		792/763/728/688/643/589/549		933/873/815/749/689/637/592	
Sound pressure level ⁴	dB(A)	30/28/27/26/25/24/22		37/36/35/34/32/31/30		38/37/35/34/32/31/30		39/37/36/35/34/32/31		41/39/38/37/36/35/33	
sound power level	dB(A)	44/42/41/40/39/38/36		51/50/49/48/46/45/44		52/51/49/48/46/45/44		53/51/50/49/48/46/45		55/53/52/51/50/49/47	
indoor unit	Net dimensions ⁵ (W×H×D)	mm	1054×153×428				1275×189×452				
	Net dimensions(no water tray) (W×H×D)	mm	1054×141×428				1275×176×452				
	Packed dimensions (W×H×D)	mm	1155×245×490				1370×295×505				
	Net/Gross weight	kg	11.5/14.5		11.8/14.8		15.8/20.2		16.9/21.4		
Panel	Net dimensions (W×H×D)	mm	1180×25×465				1350×25×505				
	Packed dimensions (W×H×D)	mm	1232×107×517				1410×95×560				
	Net/Gross weight	kg	3.5/4.7				4/5.6				
Refrigerant type		R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32			
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7						Ø9.52/Ø15.9		
	Drain pipe	mm	ØD Ø25								

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Each model's 7 airflow rate options are listed in order, from highest to lowest.
- Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
- These products are under development and the specifications are always subject to change.

Two-Way Cassette

Model name		4TVED007AB 07RAA	4TVED009AB 07RAA	4TVED012AB 07RAA	4TVED015AB 07RAA	4TVED019AB 07RAA	4TVED024AB 07RAA		
Power supply		1-phase, 220-240V, 50/60Hz							
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1	
		kBut/h	7.5	9.6	12.3	15.4	19.1	24.2	
	Input	W	35	40	40	50	69	98	
Heating ²	Capacity	kW	2.6	3.2	4	5	6.3	8	
		kBut/h	8.9	10.9	13.6	17.1	21.5	27.3	
	Input	W	35	40	40	50	69	98	
Airflow rate ³	m ³ /h	654/612/571/530/488/449/410	654/612/571/530/488/449/410	725/679/641/591/554/509/458	850/792/731/670/631/592/550	980/925/855/800/755/702/670	1200/1115/1068/1000/921/808/770		
Sound pressure level ⁴	dB(A)	33/31/30/29/27/25/24		33/31/30/29/27/25/24		35/33/32/30/29/27/25		37/36/35/34/32/31/30	
sound power level	dB(A)	49/47/46/45/43/41/40		49/47/46/45/43/41/40		51/49/48/46/45/43/41		53/52/51/50/48/47/46	
indoor unit	Net dimensions ⁵ (W×H×D)	mm	1172×299×591						
	Packed dimensions (W×H×D)	mm	1355×400×675						
	Net/Gross weight	kg	29.7/36.3			31.6/38.2			
Panel	Net dimensions (W×H×D)	mm	1430×53×680						
	Packed dimensions (W×H×D)	mm	1525×130×765						
	Net/Gross weight	kg	11/15			11/15			
Refrigerant type		R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7						Ø9.52/Ø15.9
	Drain pipe	mm	ØD Ø32						

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.4m below the unit in a anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.

Specifications

Compact Four-Way Cassette

Model		4TVBD005AB07RAA	4TVBD007AB07RAA	4TVBD009AB07RAA	4TVBD012AB07RAA		
Power supply		1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	1.5	2.2	2.8	3.6	
		kBut/h	5.1	7.5	9.6	12.3	
	Power input	W	14	14	16	18	
Heating ²	Capacity	kW	1.8	2.4	3.2	4.0	
		kBut/h	6.1	8.2	10.9	13.7	
	Power input	W	14	14	16	18	
Air flow rate ³	m ³ /h	450/425/400/370/345/320/295		510/480/455/425/395/370/340		530/500/470/440/405/375/345	
Sound pressure level ⁴	dB(A)	29/28/27/27/26/26/25		30/29/28/27/26/26/25		31/30/29/28/27/26/25.5	
Sound power level	dB(A)	40/39/39/38/38/38		42/41/40/39/38/38		42/40/39/38/38/38	
Main body	Net dimensions ⁵ (W×H×D)	mm	575×235×638				
	Packed dimensions (W×H×D)	mm	690×285×690				
	Net/Gross weight	kg	13.0/15.5		14.0/16.5		
Panel	Net dimensions ⁶ (W×H×D)	mm	620×65×620				
	Packed dimensions (W×H×D)	mm	680×80×665				
	Net/Gross weight	kg	2.3/3.0				
Refrigerant type		R410A/R32					
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7				
	Drain pipe	mm	ØD Ø25				

Model		4TVBD015AB07RAA	4TVBD019AB07RAA	4TVBD021AB07RAA			
Power supply		1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	4.5	5.6	6.3		
		kBut/h	15.4	19.1	21.5		
	Power input	W	25	35	50		
Heating ²	Capacity	kW	5.0	6.3	7.1		
		kBut/h	17.1	21.5	24.2		
	Power input	W	25	35	50		
Air flow rate ³	m ³ /h	640/605/570/530/495/460/425		810/765/720/670/625/580/535		905/855/805/755/705/655/605	
Sound pressure level ⁴	dB(A)	36.5/35/33/31/29/28/26.5		39/38/37/36/35/34/32		43/42/40/38/36/35/33.5	
Sound power level	dB(A)	44/44/43/42/41/41/41		48/46/45/43/42/42/41		51/50/48/46/45/44/42	
Main body	Net dimensions ⁵ (W×H×D)	mm	575×235×638				
	Packed dimensions (W×H×D)	mm	690×285×690				
	Net/Gross weight	kg	14.0/16.5		15.0/17.5		
Panel	Net dimensions ⁶ (W×H×D)	mm	620×65×620				
	Packed dimensions (W×H×D)	mm	680×80×665				
	Net/Gross weight	kg	2.3/3.0				
Refrigerant type		R410A/R32					
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7		Ø9.52/Ø15.9		
	Drain pipe	mm	ØD Ø25				

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5m below the unit in an anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.
- Exposed height of the panel after being installed on the ceiling.

Specifications

Four-Way Cassette

Model		4TVCD009A807RAA		4TVCD012A807RAA	
Power supply		1-phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	2.8	3.6	
		kBtu/h	9.6	12.3	
	Power input	W	17.0	17.0	
Heating ²	Capacity	kW	3.2	4.0	
		kBtu/h	10.9	13.7	
	Power input	W	17.0	17.0	
Air flow rate ³		m ³ /h	790/740/691/641/591/542/492	790/740/691/641/591/542/492	
Sound pressure level ⁴		dB(A)	30/29/28/27.5/27/26/25	30/29/28/27.5/27/26/25	
Sound power level		dB(A)	44/43/42/42/41/40/39	44/43/42/42/41/40/39	
Main body	Net dimensions ⁵ (W×H×D)	mm	840×204×840	840×204×840	
	Packed dimensions (W×H×D)	mm	940×250×940	940×250×940	
	Net/Gross weight	kg	18/20.5	18/20.5	
Panel	Net dimensions ⁶ (W×H×D)	mm	950×53×950	950×53×950	
	Packed dimensions (W×H×D)	mm	1020×90×1020	1020×90×1020	
	Net/Gross weight	kg	5.6/7.3	5.6/7.3	
Refrigerant type		R410A/R32			
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7	
	Drain pipe	mm	OD Ø25		

Model		4TVCD015A807RAA		4TVCD019A807RAA		4TVCD024A807RAA	
Power supply		1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	4.5	5.6	7.1		
		kBtu/h	15.4	19.1	24.2		
	Power input	W	36.0	23.0	32.0		
Heating ²	Capacity	kW	5.0	6.3	8.0		
		kBtu/h	17.1	21.5	27.3		
	Power input	W	36.0	23.0	32.0		
Air flow rate ³		m ³ /h	910/840/770/701/631/561/491	840/791/741/692/642/593/543	1000/943/886/829/772/715/658		
Sound pressure level ⁴		dB(A)	37/35/34/32/30/29/27	33/32/31/30/29/28/27	37/36/34/33/31/30/28		
Sound power level		dB(A)	52/51/49/47/45/43/40	49/48/47/47/46/45/44	52/51/50/48/47/45/44		
Main body	Net dimensions ⁵ (W×H×D)	mm	840×204×840	840×204×840	840×204×840		
	Packed dimensions (W×H×D)	mm	940×250×940	940×250×940	940×250×940		
	Net/Gross weight	kg	18/20.5	19.5/22	19.5/22		
Panel	Net dimensions ⁶ (W×H×D)	mm	950×53×950	950×53×950	950×53×950		
	Packed dimensions (W×H×D)	mm	1020×90×1020	1020×90×1020	1020×90×1020		
	Net/Gross weight	kg	5.6/7.3	5.6/7.3	5.6/7.3		
Refrigerant type		R410A/R32					
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7	Ø9.52/Ø15.9		
	Drain pipe	mm	OD Ø25				

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5m below the unit in an anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.
- Exposed height of the panel after being installed on the ceiling.

Specifications

Four-Way Cassette

Model		4TVCD027A807RAA		4TVCD030A807RAA		4TVCD034A807RAA	
Power supply		1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	8.0	9.0	10.0		
		kBtu/h	27.3	30.7	34.1		
	Power input	W	41.0	43.0	74.0		
Heating ²	Capacity	kW	9.0	10.0	11.2		
		kBtu/h	30.7	34.1	38.2		
	Power input	W	41.0	43.0	74.0		
Air flow rate ³		m ³ /h	1100/1019/939/858/777/697/616	1330/1239/1148/1057/965/874/783	1470/1360/1250/1141/1031/921/811		
Sound pressure level ⁴		dB(A)	42.5/40/38/36/34/32/30	38/37/35/34/32/31/29	43/41/40/38/36/35/33		
Sound power level		dB(A)	57/55/53/51/49/47/45	55/54/52/51/50/48/47	58/57/55/53/51/49/47		
Main body	Net dimensions ⁵ (W×H×D)	mm	840×204×840	840×246×840	840×246×840		
	Packed dimensions (W×H×D)	mm	940×250×940	940×295×940	940×295×940		
	Net/Gross weight	kg	19.5/22	21.5/24	21.5/24		
Panel	Net dimensions ⁶ (W×H×D)	mm	950×53×950	950×53×950	950×53×950		
	Packed dimensions (W×H×D)	mm	1020×90×1020	1020×90×1020	1020×90×1020		
	Net/Gross weight	kg	5.6/7.3	5.6/7.3	5.6/7.3		
Refrigerant type		R410A/R32					
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9	Ø9.52/Ø15.9	Ø9.52/Ø15.9		
	Drain pipe	mm	OD Ø25				

Model		4TVCD038A807RAA		4TVCD048A807RAA		4TVCD055A807RAA		4TVCD060A807RAA	
Power supply		1-phase, 220-240V, 50/60Hz							
Cooling ¹	Capacity	kW	11.2	14.0	16.0	18.0			
		kBtu/h	38.2	47.8	54.6	61.4			
	Power input	W	61.0	118.0	110.0	145.0			
Heating ²	Capacity	kW	12.5	16.0	18.0	20.0			
		kBtu/h	42.7	54.6	61.4	68.2			
	Power input	W	61.0	118.0	110.0	145.0			
Air flow rate ³		m ³ /h	1600/1497/1393/1290/1186/1083/979	1900/1787/1673/1560/1446/1333/1219	2100/1900/1760/1630/1500/1380/1270	2300/2140/1960/1770/1600/1430/1270			
Sound pressure level ⁴		dB(A)	41/40/38/37/36/34/33	47.5/46/44/42/40/38/36.5	48/46/44/43/41/39/37	52/49/47/45/42/39/38			
Sound power level		dB(A)	57/56/55/54/53/52/51	64/63/61/60/58/56/54	57/56/54/52/50/47/46	60/58/56/54/52/49/46			
Main body	Net dimensions ⁵ (W×H×D)	mm	840×288×840	840×288×840	950×300×950	950×300×950			
	Packed dimensions (W×H×D)	mm	940×335×940	940×335×940	1050×350×1050	1050×350×1050			
	Net/Gross weight	kg	24/26.5	24/26.5	32.6/37.2	32.7/37.3			
Panel	Net dimensions ⁶ (W×H×D)	mm	950×53×950	950×53×950	1050×55×1050	1050×55×1050			
	Packed dimensions (W×H×D)	mm	1020×90×1020	1020×90×1020	1115×100×1115	1115×100×1115			
	Net/Gross weight	kg	5.6/7.3	5.6/7.3	7.4/9.7	7.4/9.7			
Refrigerant type		R410A/R32							
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9	Ø9.52/Ø15.9	Ø9.52/Ø15.9	Ø9.52/Ø19.1			
	Drain pipe	mm	OD Ø25						

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5m below the unit in an anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.
- Exposed height of the panel after being installed on the ceiling.

Specifications

Arc Duct

Model		4TVLD005AB07WAA		4TVLD007AB07WAA	
Power supply		1-phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	1.5	2.2	
		kBtu/h	5.1	7.5	
	Power input	W	21	22	
Heating ²	Capacity	kW	1.8	2.5	
		kBtu/h	6.1	8.5	
	Power input	W	21	22	
Air flow rate ³		m ³ /h	340/335/329/320/307/298/290	370/347/339/322/314/ 306/295	
External static pressure ⁴		Pa	10 (10-50)		
Sound pressure level ⁵		dB(A)	27/26/25.5/24.5/23.5/ 22.5/22	28/27.5/26.5/25.5/24.5/23.5/22.0	
Sound power level		dB(A)	43.5/43/42.5/42/41.5/41/40	46/45/44/43/42/41/40	
Unit	Net dimensions ⁶ (W×H×D)	mm	550×199×450		
	Packed dimensions (W×H×D)	mm	715×255×525		
	Net/Gross weight	kg	11.5/13.5		
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7		
	Drain pipe	mm	OD Ø25		

Model		4TVLD009AB07WAA		4TVLD012AB07WAA		4TVLD015AB07WAA	
Power supply		1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	2.8	3.6	4.5		
		kBtu/h	9.6	12.3	15.4		
	Power input	W	28	31	43		
Heating ²	Capacity	kW	3.2	4	5		
		kBtu/h	10.9	13.7	17.1		
	Power input	W	28	31	43		
Air flow rate ³		m ³ /h	460/431/413/380/351/ 323/300	605/557/508/453/414/ 365/320	800/770/701/629/557/ 506/435		
External static pressure ⁴		Pa	10 (10-50)				
Sound pressure level ⁵		dB(A)	30/29.5/28.5/27.5/26/24.5/22	30/29.5/28.5/27.5/ 26.5/25.5/25	33/32.5/32/30.5/29/ 27.5/26		
Sound power level		dB(A)	50.5/49/47/45.5/43.5/42/40	50.5/49.5/48/47/45.5/44.5/43	52/50.5/49/47.5/46/44.5/43		
Unit	Net dimensions ⁶ (W×H×D)	mm	550×199×450	700×199×450	900×199×450		
	Packed dimensions (W×H×D)	mm	715×255×525	865×255×525	1065×255×525		
	Net/Gross weight	kg	11.5/13.5	13.0/15.5	16.5/19.5		
Refrigerant type			R410A/R32				
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7				
	Drain pipe	mm	OD Ø25				

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Stable operation external static pressure range. (Note: setting external static pressure outside the unit's optimal static pressure range may lead to higher noise levels and lower airflow rate. For the optimal external static pressure range refer to the unit's installation manual.)
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5m below the unit in an anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.

Specifications

Arc Duct

Model		4TVLD019AB07WAA		4TVLD024AB07WAA		4TVLD027AB07WAA	
Power supply		1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	5.6	7.1	8		
		kBtu/h	19.1	24.2	27.3		
	Power input	W	58	65	108		
Heating ²	Capacity	kW	6.3	8	9		
		kBtu/h	21.5	27.3	30.7		
	Power input	W	58	65	108		
Air flow rate ³		m ³ /h	900/800/761/682/603/ 549/470	1145/1033/957/860/763/671/580	1400/1327/1249/1175/1095/1026/960		
External static pressure ⁴		Pa	10 (10-50)		20(10-80)		
Sound pressure level ⁵		dB(A)	36/34.5/33.5/32.5/ 31/29/27	37/35/34/32.5/31/30/29	36.5/35.5/34.5/33/ 32/31.5/30.5		
Sound power level		dB(A)	56/54/52/50/48/46/44	57/55.5/54/52/50.5/49/47	57/56/54.5/53.5/52/51/49.5		
Unit	Net dimensions ⁶ (W×H×D)	mm	900×199×450	1100×199×450	1600×199×450		
	Packed dimensions (W×H×D)	mm	1065×255×525	1300×255×525	1780×250×525		
	Net/Gross weight	kg	16.5/19.5	20/23.5	28/32.5		
Refrigerant type			R410A/R32				
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø9.52/Ø15.9	Ø9.52/Ø15.9		
	Drain pipe	mm	OD Ø25				

Model		4TVLD030AB07WAA		4TVLD038AB07WAA		
Power supply		1-phase, 220-240V, 50/60Hz				
Cooling ¹	Capacity	kW	9		11.2	
		kBtu/h	30.7		38.2	
	Power input	W	108		128	
Heating ²	Capacity	kW	10		12.5	
		kBtu/h	34.1		42.7	
	Power input	W	108		128	
Air flow rate ³		m ³ /h	1400/1327/1249/1175/1095/1026/960		1620/1522/1433/1343/1254/1170/1080	
External static pressure ⁴		Pa	20(10-80)			
Sound pressure level ⁵		dB(A)	36.5/35.5/34/33/ 32/31.5/30.5		39.5/38/36.5/35/34/ 32.5/31.5	
Sound power level		dB(A)	57/56/54.5/53.5/52/51/49.5		60.5/59/57.5/55.5/54/52.5/50.5	
Unit	Net dimensions ⁶ (W×H×D)	mm	1600×199×450		1600×199×450	
	Packed dimensions (W×H×D)	mm	1780×250×525		1780×250×525	
	Net/Gross weight	kg	28/32.5			
Refrigerant type			R410A/R32			
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9			
	Drain pipe	mm	OD Ø25			

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Stable operation external static pressure range. (Note: setting external static pressure outside the unit's optimal static pressure range may lead to higher noise levels and lower airflow rate. For the optimal external static pressure range refer to the unit's installation manual.)
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5m below the unit in an anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.

Specifications

Medium Static Pressure Duct

Model	4TVDD005A807WAA		4TVDD007A807WAA		4TVDD009A807WAA	
Power supply	1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	1.5	2.2	2.8	
		kBtu/h	5.1	7.5	9.6	
	Power input	W	33	36	40	
Heating ²	Capacity	kW	1.8	2.5	3.2	
		kBtu/h	6.1	8.5	10.9	
	Power input	W	33	36	40	
Air flow rate ³	m ³ /h	470/438/407/375/343/312/280		500/467/433/400/367/333/300		540/503/467/430/393/357/320
External static pressure ⁴	Pa	30 (10-160)				
Sound pressure level ⁵	dB(A)	26.5/26/25/24/23/22.5/22		26.5/26/25/24/23/22.5/22		26.5/26/25/24/23/22.5/22
Sound power level	dB(A)	46/44.5/43/41.5/40/38.5/37		47/45.5/44/42.5/41/39.5/38		47/45.5/44/42.5/41/39.5/38
Unit	Net dimensions ⁶ (W×H×D)	mm	600×245×750			
	Packed dimensions (W×H×D)	mm	765×305×885			
	Net/Gross weight	kg	18.5/21	18.5/21	18.5/21	
Refrigerant type	R410A/R32					
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7			
	Drain pipe	mm	OD Ø25			

Model	4TVDD012A807WAA		4TVDD015A807WAA		4TVDD019A807WAA	
Power supply	1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	3.6	4.5	5.6	
		kBtu/h	12.3	15.4	19.1	
	Power input	W	50	70	70	
Heating ²	Capacity	kW	4	5	6.3	
		kBtu/h	13.7	17.1	21.5	
	Power input	W	50	70	70	
Air flow rate ³	m ³ /h	575/535/495/455/415/375/335		665/623/580/538/495/453/410		970/904/838/773/707/641/575
External static pressure ⁴	Pa	30 (10-160)				
Sound pressure level ⁵	dB(A)	29/28/27/26/25/23/22		33/32/29.5/28/26.5/25/24		33/32/31/30/27.5/26/25
Sound power level	dB(A)	50/48.5/47/45/43/41/39		53/51/49/47/45/43/41		55/53/51/49/47/45/43
Unit	Net dimensions ⁶ (W×H×D)	mm	600×245×750			800×245×750
	Packed dimensions (W×H×D)	mm	765×305×885			965×305×885
	Net/Gross weight	kg	18.5/21	19.5/22	24/27.5	
Refrigerant type	R410A/R32					
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7			
	Drain pipe	mm	OD Ø25			

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
 - Stable operation external static pressure range. (Note: setting external static pressure outside the unit's optimal static pressure range may lead to higher noise levels and lower airflow rate. For the optimal external static pressure range refer to the unit's installation manual.)
 - Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5m below the unit in a semi-anechoic chamber.
 - The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual

Specifications

Medium Static Pressure Duct

Model	4TVDD024A807WAA		4TVDD027A807WAA		4TVDD030A807WAA	
Power supply	1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	7.1	8	9	
		kBtu/h	24.2	27.3	30.7	
	Power input	W	96	102	110	
Heating ²	Capacity	kW	8	9	10	
		kBtu/h	27.3	30.7	34.1	
	Power input	W	96	102	110	
Air flow rate ³	m ³ /h	1150/1068/986/904/822/740/660		1355/1263/1172/1080/988/897/805		1420/1323/1225/1128/1030/933/835
External static pressure ⁴	Pa	30 (10-160)		40 (10-160)		40(10-160)
Sound pressure level ⁵	dB(A)	35/33.5/32/30.5/29/27.5/26		37/35.5/34/32.5/31/29.5/28		37/35.5/34/32.5/31/29.5/28
Sound power level	dB(A)	58/56/54/51.5/48/47/45		59/57/55/53/51/49/47		59/57/55/53/50.5/48/46
Unit	Net dimensions ⁶ (W×H×D)	mm	800×245×750		1050×245×750	
	Packed dimensions (W×H×D)	mm	965×305×885		1215×305×885	
	Net/Gross weight	kg	25/28.5	30/34.0	31/35.0	
Refrigerant type	R410A/R32					
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9			
	Drain pipe	mm	OD Ø25			

Model	4TVDD038A807WAA		4TVDD048A807WAA		4TVDD055A807WAA	
Power supply	1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	11.2	14	16	
		kBtu/h	38.2	47.8	54.6	
	Power input	W	138	172	210	
Heating ²	Capacity	kW	12.5	16	18	
		kBtu/h	42.7	54.6	61.4	
	Power input	W	138	172	210	
Air flow rate ³	m ³ /h	1950/1817/1683/1550/1417/1283/1150		2105/1971/1837/1703/1568/1434/1300		2350/2160/2015/1871/1776/1533/1400
External static pressure ⁴	Pa	40 (10-160)		50 (10-160)		
Sound pressure level ⁵	dB(A)	39/37/35/33/31/29/28		40/38/36/34/32/30/29		42/40/38/36/34/33/31
Sound power level	dB(A)	60/58/56.5/55/53.5/52/50		64/62/61.5/59.5/57.5/55/53		65/63/61/58.5/56.5/54/52
Unit	Net dimensions ⁶ (W×H×D)	mm	1400×245×750			
	Packed dimensions (W×H×D)	mm	1565×305×885			
	Net/Gross weight	kg	37/42.0	39/44.0	39/44.0	
Refrigerant type	R410A/R32					
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9			
	Drain pipe	mm	OD Ø25			

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
 - Stable operation external static pressure range. (Note: setting external static pressure outside the unit's optimal static pressure range may lead to higher noise levels and lower airflow rate. For the optimal external static pressure range refer to the unit's installation manual.)
 - Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5m below the unit in a semi-anechoic chamber.
 - The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual

Specifications

High Static Pressure Duct

Model name		4TVHD019A807WAA	4TVHD024A807WAA	4TVHD027A807WAA	4TVHD030A807WAA	
Power supply		1-phase, 220-240V, 50/60Hz				
Cooling ¹	Capacity	kW	5.6	7.1	8	9
		kBut/h	19.1	24.2	27.3	30.7
	Input	W	159	159	159	196
Heating ²	Capacity	kW	6.3	8	9	10
		kBut/h	21.5	27.3	30.7	34.1
	Input	W	159	159	159	196
Airflow rate ³	m ³ /h	1360/1281/1201/1122/1043/963/884	1360/1281/1201/1122/1043/963/884	1360/1281/1201/1122/1043/963/884	1500/1413/1325/1238/1150/1063/975	
External static pressure ⁴	Pa	80(0-250)				
Sound pressure level ⁵	dB(A)	39/38/36/35/33/32/30	39/38/36/35/33/32/30	39/38/36/35/33/32/30	40/39/37/36/34/33/31	
Sound power level	dB(A)	59/56/54/53/51/49/47	59/56/54/53/51/49/47	59/56/54/53/51/49/47	63/60/58/56/54/52/50	
Unit	Net dimensions ⁶ (WxHxD)	mm	1050x299x750			
	Packed dimensions (WxHxD)	mm	1215x359x890			
	Net/Gross weight	kg	35/38.5	35/38.5	35/38.5	35/38.5
Refrigerant type		R410A/R32	R410A/R32	R410A/R32	R410A/R32	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			
	Drain pipe	mm	OD Φ25			

Model name		4TVHD038A807WAA	4TVHD042A807WAA	4TVHD048A807WAA	4TVHD055A807WAA	
Power supply		1-phase, 220-240V, 50/60Hz				
Cooling ¹	Capacity	kW	11.2	12.5	14	16
		kBut/h	38.2	42.7	47.8	54.6
	Input	W	248	252	284	339
Heating ²	Capacity	kW	12.5	14	16	18
		kBut/h	42.7	47.8	54.6	61.4
	Input	W	248	252	284	339
Airflow rate ³	m ³ /h	2140/2015/1890/1766/1641/1516/1391	2150/2025/1899/1774/1649/1523/1398	2400/2260/2120/1980/1840/1700/1560	2600/2448/2297/2145/1993/1842/1690	
External static pressure ⁴	Pa	80(0-250)				
Sound pressure level ⁵	dB(A)	41/40/38/37/35/34/32	41/40/39/37/36/35/33	43/42/40/39/37/36/34	44/43/41/40/38/37/35	
Sound power level	dB(A)	63/61/59/57/56/54/52	66/64/62/60/58/56/54	67/64/62/60/58/57/55	68/66/64/62/60/59/57	
Unit	Net dimensions ⁶ (WxHxD)	mm	1400x299x750			
	Packed dimensions (WxHxD)	mm	1565x359x890			
	Net/Gross weight	kg	44.5/48.5	46.5/50.5	46.5/50.5	46.5/50.5
Refrigerant type		R410A/R32	R410A/R32	R410A/R32	R410A/R32	
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9			
	Drain pipe	mm	OD Φ25			

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 3. Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
 4. Stable operation external static pressure range. (Note: setting external static pressure outside the unit's optimal static pressure range may lead to higher noise levels and lower airflow rate. For the optimal external static pressure range refer to the unit's installation manual.)
 5. Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.4m below the unit in anechoic chamber.
 6. The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.
 7. All specifications are measured at standard external static pressure.

Specifications

High Static Pressure Duct

Model name		4TVHD070A807WAA	4TVHD076A807WAA	4TVHD085A807WAA	4TVHD096A807WAA	
Power supply		1-phase, 220-240V, 50/60Hz				
Cooling ¹	Capacity	kW	20	22.4	25.2	28
		kBut/h	68.3	76.5	86.0	95.6
	Input	W	780	780	780	780
Heating ²	Capacity	kW	22.5	25	26	31.5
		kBut/h	76.8	85.3	88.7	107.5
	Input	W	780	780	780	780
Airflow rate ³	m ³ /h	4700/4387/4073/3760/3447/3133/2820	4700/4387/4073/3760/3447/3133/2820	4700/4387/4073/3760/3447/3133/2820	4700/4387/4073/3760/3447/3133/2820	
External static pressure ⁴	Pa	200(0-400)				
Sound pressure level ⁵	dB(A)	51/50/48/46/44/43/42	51/50/48/46/44/43/42	51/50/48/46/44/43/42	51/50/48/46/44/43/42	
Sound power level	dB(A)	74/72/70/68/66/64/62	74/72/70/68/66/64/62	74/72/70/68/66/64/62	74/72/70/68/66/64/62	
Unit	Net dimensions ⁶ (WxHxD)	mm	1300x580x900			
	Packed dimensions (WxHxD)	mm	1530x730x1060			
	Net/Gross weight	kg	125/150	125/150	125/150	125/150
Refrigerant type		R410A/R32	R410A/R32	R410A/R32	R410A/R32	
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ19.1		Φ12.7/Φ22.2	
	Drain pipe	mm	OD Φ32			

Model name		4TVHD115A807WAA	4TVHD140A807WAA	4TVHD155A807WAA	4TVHD190A807WAA	
Power supply		1-phase, 220-240V, 50/60Hz				
Cooling ¹	Capacity	kW	33.5	40	45	56
		kBut/h	114.3	136.5	153.6	191.1
	Input	W	810	1850	1850	2030
Heating ²	Capacity	kW	38	45	56	63
		kBut/h	129.7	153.6	191.1	215.0
	Input	W	810	1850	1850	2030
Airflow rate ³	m ³ /h	4700/4387/4073/3760/3447/3133/2820	7500/7000/6500/6000/5500/5000/4500	7500/7000/6500/6000/5500/5000/4500	8400/7840/7280/6720/6160/5600/5040	
External static pressure ⁴	Pa	200(0-400)				
Sound pressure level ⁵	dB(A)	52/51/49/48/46/44/43	58/56/54/52/50/49/48	58/56/54/52/50/49/48	59/58/56/54/53/51/49	
Sound power level	dB(A)	74/72/70/68/66/63/61	79/78/76/74/72/70/67	79/78/76/74/72/70/67	81/80/77/75/73/71/69	
Unit	Net dimensions ⁶ (WxHxD)	mm	1300x580x900		1850x580x900	
	Packed dimensions (WxHxD)	mm	1530x730x1060		2080x730x1060	
	Net/Gross weight	kg	128/153	166/204	166/204	170/208
Refrigerant type		R410A/R32	R410A/R32	R410A/R32	R410A/R32	
Pipe connections	Liquid/Gas pipe	mm	Φ12.7/Φ25.4		Φ15.9/Φ28.6	
	Drain pipe	mm	OD Φ32			

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 3. Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
 4. Stable operation external static pressure range. (Note: setting external static pressure outside the unit's optimal static pressure range may lead to higher noise levels and lower airflow rate. For the optimal external static pressure range refer to the unit's installation manual.)
 5. Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.4m below the unit in anechoic chamber.
 6. The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.
 7. All specifications are measured at standard external static pressure.

Specifications

Wall Mounted

Model			4TVWD005AB07RAA	4TVWD007AB07RAA	4TVWD009AB07RAA	4TVWD012AB07RAA
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	1.5	2.2	2.8	3.6
		kBtu/h	5.1	7.5	9.6	12.3
	Power input	W	18	21	24	27
Heating ²	Capacity	kW	1.7	2.4	3.2	4
		kBtu/h	5.8	8.2	10.9	13.6
	Power input	W	18	21	24	27
Air flow rate ³	m ³ /h		460/440/420/400/380/360/340	500/470/440/410/390/370/340	540/510/470/430/400/370/340	580/540/500/460/420/380/340
Sound pressure level ⁴	dB(A)		32/31/30/30/29/28/27	33/32/31/30/29/28/27	35/34/33/32/31/30/28	37/36/34/33/31/30/28
Sound power level	dB(A)		45/44/43/43/42/41/40	46/45/44/43/42/41/40	50/49/48/47/46/44/42	54/53/51/50/48/46/44
Unit	Net dimensions ⁵ (W×H×D)	mm	750×295×265	750×295×265	750×295×265	750×295×265
	Packed dimensions (W×H×D)	mm	875×385×360	875×385×360	875×385×360	875×385×360
	Net/Gross weight	kg	9/11.5	9/11.5	10/12.5	10/12.5
Refrigerant type			R410A/R32			
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7	Ø6.35/Ø12.7	Ø6.35/Ø12.7
	Drain pipe	mm	OD Ø16	OD Ø16	OD Ø16	OD Ø16

Model			4TVWD015AB07RAA	4TVWD019AB07RAA	4TVWD024AB07RAA	4TVWD027AB07RAA
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	4.5	5.6	7.1	8
		kBtu/h	15.4	19.1	24.2	27.3
	Power input	W	30	40	50	65
Heating ²	Capacity	kW	5	6.3	8	9
		kBtu/h	17.1	21.5	27.3	30.7
	Power input	W	30	40	50	65
Air flow rate ³	m ³ /h		720/670/620/560/510/460/410	860/780/700/620/550/480/410	1220/1120/1030/940/850/750/660	1380/1260/1140/1020/900/780/660
Sound pressure level ⁴	dB(A)		37/35/33/32/31/30/29	41/39/37/35/33/31/29	44/42/40/38/36/34/32	45/43/41/39/37/35/32
Sound power level	dB(A)		54/52/50/49/48/46/44	56/54/52/50/48/46/44	58/56/54/52/50/48/46	60/57/55/53/50/48/46
Unit	Net dimensions ⁵ (W×H×D)	mm	950×295×265	950×295×265	1200×295×265	1200×295×265
	Packed dimensions (W×H×D)	mm	1075×385×360	1075×385×360	1315×385×360	1315×385×360
	Net/Gross weight	kg	11.5/14	11.5/14	15/18	15/18
Refrigerant type			R410A/R32			
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7	Ø9.52/Ø15.9	Ø9.52/Ø15.9
	Drain pipe	mm	OD Ø16	OD Ø16	OD Ø16	OD Ø16

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
 - Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 0.8m below the unit in an anechoic chamber.
 - The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.

Specifications

Floor Standing F3(concealed)

Model name			4TVKD007AB 07WAA	4TVKD009AB 07WAA	4TVKD012AB 07WAA	4TVKD015AB 07WAA	4TVKD019AB 07WAA	4TVKD024 AB07WAA	4TVKD027AB 07WAA	
Power supply			1-phase, 220-240V, 50/60Hz							
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1	8	
		kBtu/h	7.5	9.6	12.3	15.4	19.1	24.2	27.3	
	Input	W	35	35	40	44	45	53	62	
Heating ²	Capacity	kW	2.4	3.2	4.0	5.0	6.3	8.0	9.0	
		kBtu/h	8.2	10.9	13.7	17.1	21.5	27.3	30.7	
	Input	W	35	35	41	46	47	57	64	
External static pressure ⁴	Pa	0-60								
Airflow rate ³	m ³ /h		473/464/454/449/439/431/426	524/503/488/471/450/427/408	636/611/584/557/533/507/483	781/756/738/717/683/651/624	928/893/865/834/803/770/739			
Sound pressure level ⁴	dB(A)		34.5/34/33.5/32.5/32/31/30.5	36.5/35.5/34.5/34/33/32/31	37/36/35/34/33/32/30	36.5/36/35/34/33.5/32.5/31.5	40.5/39.5/38.5/37.5/36.5/36/34.5			
Sound power level	dB(A)		49/48/48/47/47/46/46	51/50/49/48/47/46/46	52/51/50/49/48/47/46	51/51/50/49/48/48/47	55/54/53/52/52/51/50			
Unit	Net dimensions ⁵ (W×H×D)	mm	915×470×200			1133×470×200		1253×566×200		
	Packed dimensions (W×H×D)	mm	985×555×255			1205×555×255		1325×650×255		
	Net/Gross weight	kg	16.3/20.0		16.9/20.7	20.0/24.4	24.3/30.0	26.1/31.8		
Refrigerant type			R410A/R32							
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7						Ø9.52/Ø15.9	
	Drain piping	mm	OD Ø18.5							

Floor Standing F4/F5(Exposed)

Model name			4TVJD007AB 07RAA	4TVJD009AB 07RAA	4TVJD012AB 07RAA	4TVJD015AB 07RAA	4TVJD019AB 07RAA	4TVJD024AB 07RAA	4TVJD027AB 07RAA	
Power supply			1-phase, 220-240V, 50/60Hz							
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1	8	
		kBtu/h	7.5	9.6	12.3	15.4	19.1	24.2	27.3	
	Input	W	35	35	40	44	45	53	62	
Heating ²	Capacity	kW	2.4	3.2	4	5	6.3	8	9	
		kBtu/h	8.2	10.9	13.7	17.1	21.5	27.3	30.7	
	Input	W	35	35	41	46	47	57	64	
External static pressure ⁴	Pa(F4)	0-10								
	Pa(F5)	0-10								
Airflow rate ³	m ³ /h(F4)		507/490/482/466/449/450/435	532/512/501/483/466/435/414	689/663/639/608/575/560/526	934/904/888/860/821/786/764	1054/1011/992/955/924/889/841			
	m ³ /h(F5)		498/486/475/464/453/441/430	508/491/474/458/441/424/407	692/665/637/610/582/555/528	811/785/759/732/706/680/653	930/895/860/825/790/755/721			
Sound pressure level ⁴	dB(A)(F4)		36/35/34.5/34/33/32.5/32	38/37/36/35/34/33/32	43/42/41/40/39/38/37	41.5/41/40/39/38/37/36	46/45.5/45/44/43/42/41			
	dB(A)(F5)		32.5/32/31.5/31/30.5/30/29	35/34/33/32/31/30/29	38/37/36/35/34/32.5/31.5	35/34.5/34/33/32.5/32/31	39.5/39/38/37/36/35/34			
Sound power level	dB(A)(F4)		52/51/51/50/50/49/49	52/52/51/50/49/48/47	55/54/54/53/52/51/51	53/52/52/52/51/51/50	57/56/55/54/53/53/52			
	dB(A)(F5)		51/50/49/49/48/48/48	51/50/49/48/47/47/46	53/53/52/51/50/49/48	51/50/50/50/49/49/48	54/53/52/51/50/50/49			
Unit	Net dimensions ⁵ (W×H×D)	mm(F4)	1020×495×200		1240×495×200		1360×591×200			
		mm(F5)	1020×495×200		1020×495×200		1240×495×200			
	Packed dimensions (W×H×D)	mm(F4)	1125×595×285		1125×595×285		1345×595×285			
		mm(F5)	1125×595×285		1125×595×285		1345×595×285			
Net/Gross weight	kg(F4)	21.1/27.9		21.9/28.6		26.3/32.9		32.1/41.0		
	kg(F5)	21.1/26.8		21.9/27.6		26.3/32.4		32.1/39.4		
Refrigerant type			R410A/R32							
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7						Ø9.52/Ø15.9	
	Drain piping	mm	OD Ø18.5							

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Fan motor speed and air flow rate are from the highest to the lowest, total 7 rates for each model.
 - Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5m below the unit in an anechoic chamber.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications

Ceiling&Floor

Model name		4TVXD012AB07RAA	4TVXD015AB07RAA	4TVXD019AB07RAA	4TVXD024AB07RAA	4TVXD027AB07RAA	
Power supply		1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	3.6	4.5	5.6	7.1	8
		kBut/h	12.3	15.4	19.1	24.2	27.3
	Input	W	16	24	40	42	56
Heating ²	Capacity	kW	4	5	6.3	8	9
		kBut/h	13.7	17.1	21.5	27.3	30.7
	Input	W	16	24	40	42	56
Airflow rate ³		m ³ /h	564/539/514/492/467/445/424	712/674/637/603/565/531/500	927/883/840/794/751/707/665	1128/1062/1024/926/860/791/729	1300/1218/1138/1057/982/904/824
Sound pressure level ⁴		dB(A)	32/30/29/28/27/26/25	36/35/34/33/32/31/30	43/41/40/38/36/34/33	43/40/39/37/35/34/33	45/44/42/40/38/36/34
Sound power level		dB(A)	43/42/40/39/38/38/37	47/45/45/43/42/41/40	54/53/51/50/48/47/45	54/53/52/51/49/48/48	55/53/51/50/49/46/44
Unit	Net dimensions ⁵ (WxHxD)	mm	1069x674x234			1284x674x234	
	Packed dimensions (WxHxD)	mm	1190x755x313			1405x755x323	
	Net/Gross weight	kg	24.7/29.5	24.7/29.5	24.7/29.5	29.8/34.8	29.8/34.8
Refrigerant type		R410A/R32					
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			Φ9.52/Φ15.9	
	Drain pipe	mm	OD Φ25				

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5m below the unit in a semi-anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.

Specifications

Ceiling&Floor

Model name		4TVXD030AB07RAA	4TVXD034AB07RAA	4TVXD038AB07RAA	4TVXD042AB07RAA	4TVXD048AB07RAA	
Power supply		1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	9	10	11.2	12.5	14
		kBut/h	30.7	34.1	38.2	42.7	47.8
	Input	W	75	50	65	95	140
Heating ²	Capacity	kW	10	11.2	12.5	14	16
		kBut/h	34.1	38.2	42.7	47.8	54.6
	Input	W	75	50	65	95	140
Airflow rate ³		m ³ /h	1480/1397/1302/1218/1138/1056/979	1497/1469/1296/1200/1104/1015/918	1648/1530/1469/1292/1178/1067/956	2012/1879/1772/1649/1531/1469/1285	2206/2070/1937/1810/1677/1516/1402
Sound pressure level ⁴		dB(A)	48/47/46/44/42/40/37	42/40/39/37/35/33/32	44/42/41/39/37/35/33	49/48/46/44/42/40/38	51.5/50/48/46/44/42/40
Sound power level		dB(A)	58/57/55/54/52/50/49	54/53/51/50/48/46/44	56/54/53/51/49/47/45	60/59/58/56/54/53/51	63/62/60/58/56/54/53
Unit	Net dimensions ⁵ (WxHxD)	mm	1284x674x234	1649x674x234			
	Packed dimensions (WxHxD)	mm	1405x755x323	1770x755x323			
	Net/Gross weight	kg	29.8/34.8	36.4/42.7	36.4/42.7	36.4/42.7	36.4/42.7
Refrigerant type		R410A/R32					
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9				
	Drain pipe	mm	OD Φ25				

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5m below the unit in a semi-anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.