

V8

Indoor Unit

SMART IN ONE



Midea Building Technologies Division
Midea Group

Add.: Midea Headquarters Building, 6 Midea Avenue, Shunde, Foshan, Guangdong, China
Postal code: 528311

mbt.midea.com www.midea-group.com tsp.midea.com

Midea reserves the right to change the specifications of the product, and to withdraw or replace products without prior notification or public announcement. Midea is constantly developing and improving its products.

GD MIDEA Heating & Ventilating Equipment Co. Ltd participates in the ECP programme for VRF. Check ongoing validity of certificate: www.eurovent-certification.com



2024

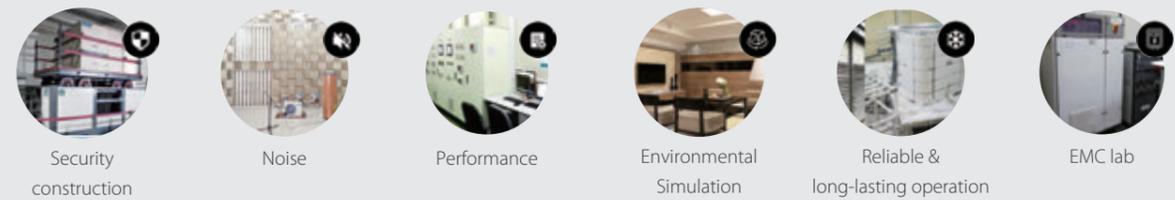
Midea MBT

Midea MBT (Midea Building Technologies) is a key division of the Midea Group, a leading provider of comprehensive solutions for intelligent buildings. It specializes in energy sources, elevators, control systems, and heating, ventilation & air conditioning. Midea MBT continues the tradition of innovation upon which it was founded and has emerged as a global leader in the HVAC and building management industry. A strong drive for advancement has resulted in an extensive R&D department that has placed Midea MBT at the forefront of the competition. Through independent projects and joint-cooperation with other global enterprises, Midea has supplied thousands of innovative solutions to customers worldwide.

4 production bases can achieve fast delivery



Over 100 testing labs cover a wide range of real application scenarios



All products can be visualized and digitalized throughout entire process



3 businesses make up the core of Midea intelligent building solutions



APPLICATION SOLUTIONS

Office Complexes

Enjoy comfort while working

Midea VRF provides solutions for office buildings of all sizes and its smart control solutions streamline the management of VRF. It offers a wide variety of indoor units that are suitable for all designs.



Residential Apartments

One for every home

A compact size and high efficiency make Midea VRF suitable for all residential homes.



Hotels & Shopping Malls

Increase your business, not your bills

The high efficiency and reliability of Midea VRF make it idea for commercial applications. Intelligent control solutions like hotel key cards and touch screen controller make management easy.



Hospitals/ Schools/ Airports

Meeting all expectations

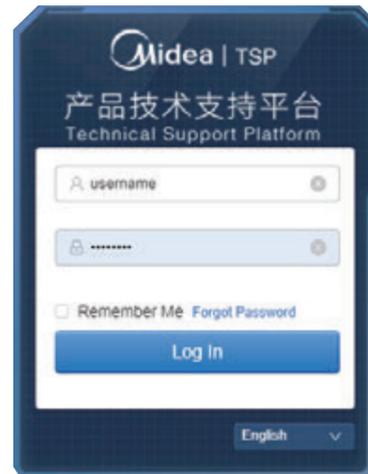
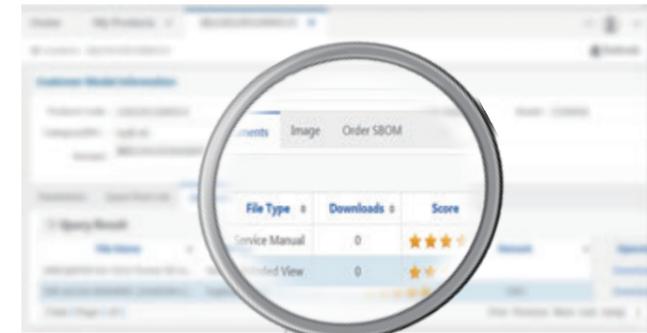
The innovative design and variety of indoor unit options make Midea VRF suitable for all kinds of applications. The newly designed puro-air kit is perfect for modern hospitals.



Technical Support Platform (TSP)

TSP is a platform for customers to seek professional technical support. Through TSP, you can inquire about product information, documentation, spare parts and troubleshooting, ask technical questions, submit complaints, and order spare parts.

<https://tsp.midea.com/>



My order

Inquire about spare parts from an exploded view and place orders for spare parts directly in TSP.

Document inquiry and download

View or download product technical documentation online, such as catalogs, images, training PPTs, etc.

Technical inquiry & FAQ

Ask technical questions online and receive a prompt response from our technicians. Or find a quick solution in the FAQ.

Troubleshooting

Query the error code and solution by SN, model name, error code or product type.

Complain

Submit product quality complaints online, and our after-sales engineers will respond promptly.

Mobile Intelligence Service App (MISA)

MISA is the mobile terminal of TSP, with the same functions as TSP. The mobile service improves the response time and convenience of technical support.

<https://link.midea.com>



FAQ



Complain



Technical Enquiry



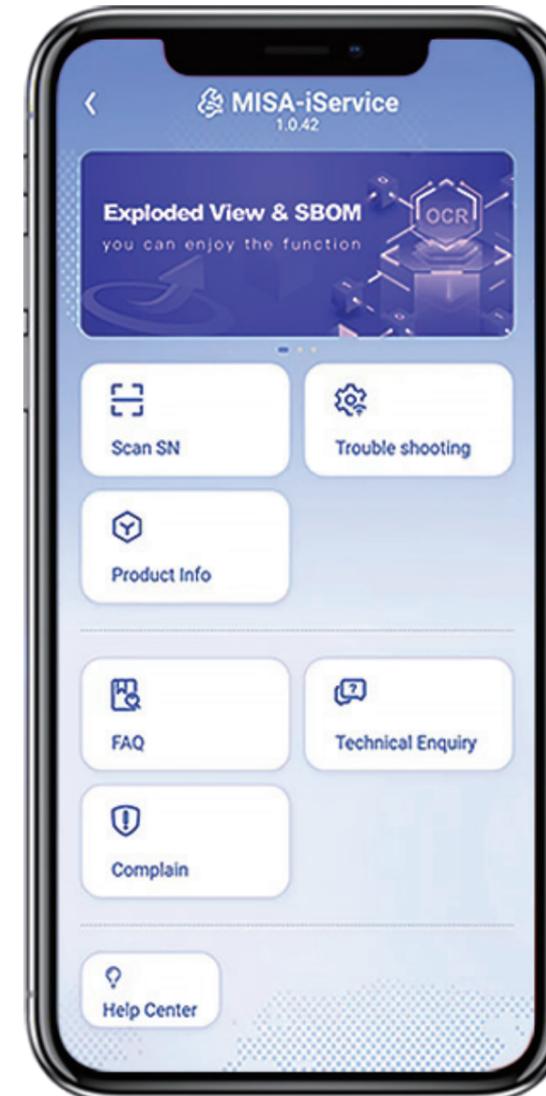
Trouble shooting



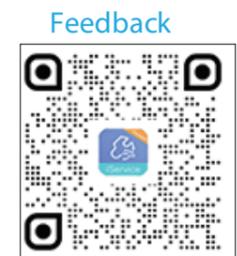
Search product manuals



Spare parts list



Scan to download the mobile app



Thank you for your attention and feedback



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

HRV

Ceiling&Floor

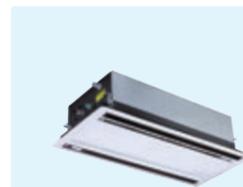
Indoor Unit Lineup

■ One-Way Cassette

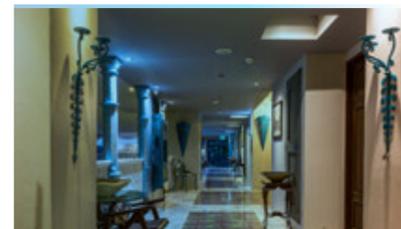


- Automatic anti-condensation
- Multiple Steps Vertical Swing
- Built-in 1200mm high-lift drain pump(Digital feedback DC water pump)

■ 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

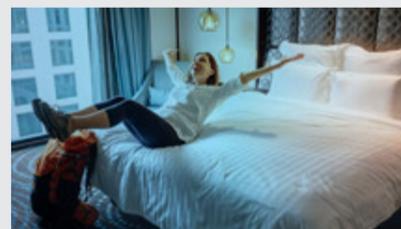


- 360° airflow, uniform air flow and temperature distribution
- Individual louver control
- Built-in 1200mm high-lift drain pump
- Optional medium efficiency filter

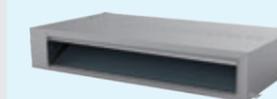
■ Arc Duct



- 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



■ 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

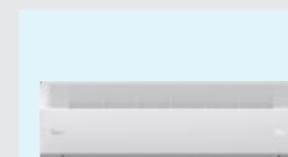
■ High Static Pressure Duct



- 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

■ HRV



- Multiple operation modes: Auto, Bypass, Heat recovery, Free cooling mode.
- Optional CO₂ Sensor
- Optional Multi-functional Expansion Board



■ 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 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 ● G3 ○ F6 ○	G1 ● F6 ○	G1 ● G3+F7 ○ G3+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	×	×	×			×	×	×	○	○	×	×		
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	×	
	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	
	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 V8 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⁾	○ ⁽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	● 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	○ ⁽⁴⁾	×	○			○	○	○	○	○	○	○	○
	Refrigerant leak sensor connection	Additional expansion board can achieve refrigerant leak sensor connection	○ ⁽⁴⁾	×	○			○	○	○	○	○	○	○	○
	CO2 sensor connection	Additional expansion board can achieve CO2 sensor connection	○ ⁽⁴⁾	×	○			○	○	○	○	○	○	○	○
	PM2.5 sensor connection	Additional expansion board can achieve PM2.5 sensor connection	○ ⁽⁴⁾	×	○			○	○	○	○	○	○	○	○
	Third-party controller connection	Third party controller can realize mode, fan speed and temperature control	○ ⁽⁴⁾	×	○			○	○	○	○	○	○	○	○
	Long-distance on/off function	Long-distance startup or shutoff the system by strong electricity external devices	○ ⁽⁴⁾	×	○			○	○	○	○	○	○	○	○
	Long-distance alarm function	Long-distance alarm when an error occurs	○ ⁽⁴⁾	×	○			○	○	○	○	○	○	○	○
	Multiple protections	Multiple protections make the unit run more reliably	●	●	●			●	●	●	●	●	●	●	●

Note:
 (1). Use the display box which is equipped with a human detect sensor.
 (2). 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.
 (3). Only when the unit is installed on the ceiling.
 (4). To achieve these functions for the One-Way Cassette unit, you need to purchase function expansion modules and install them locally.

HyperLink

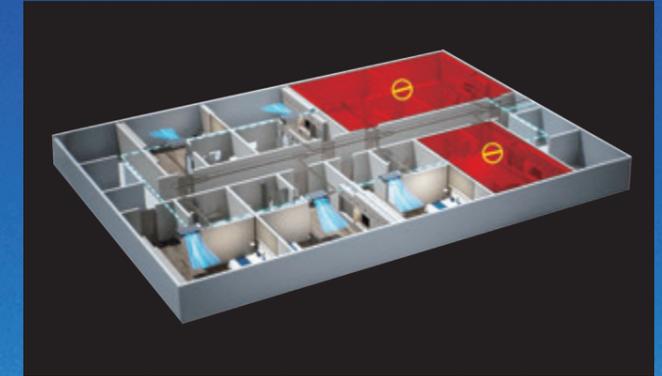


2000M

Communication distance up to

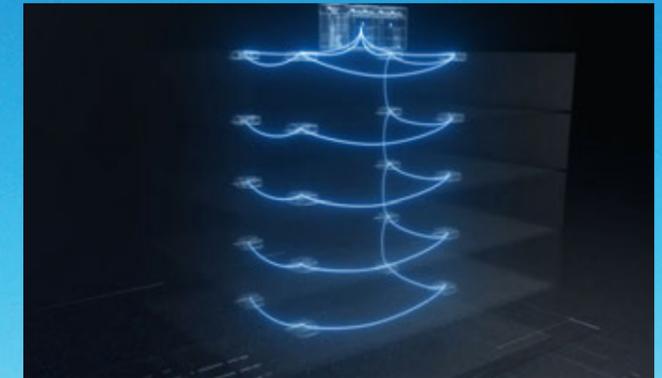
Independent Power Supply

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



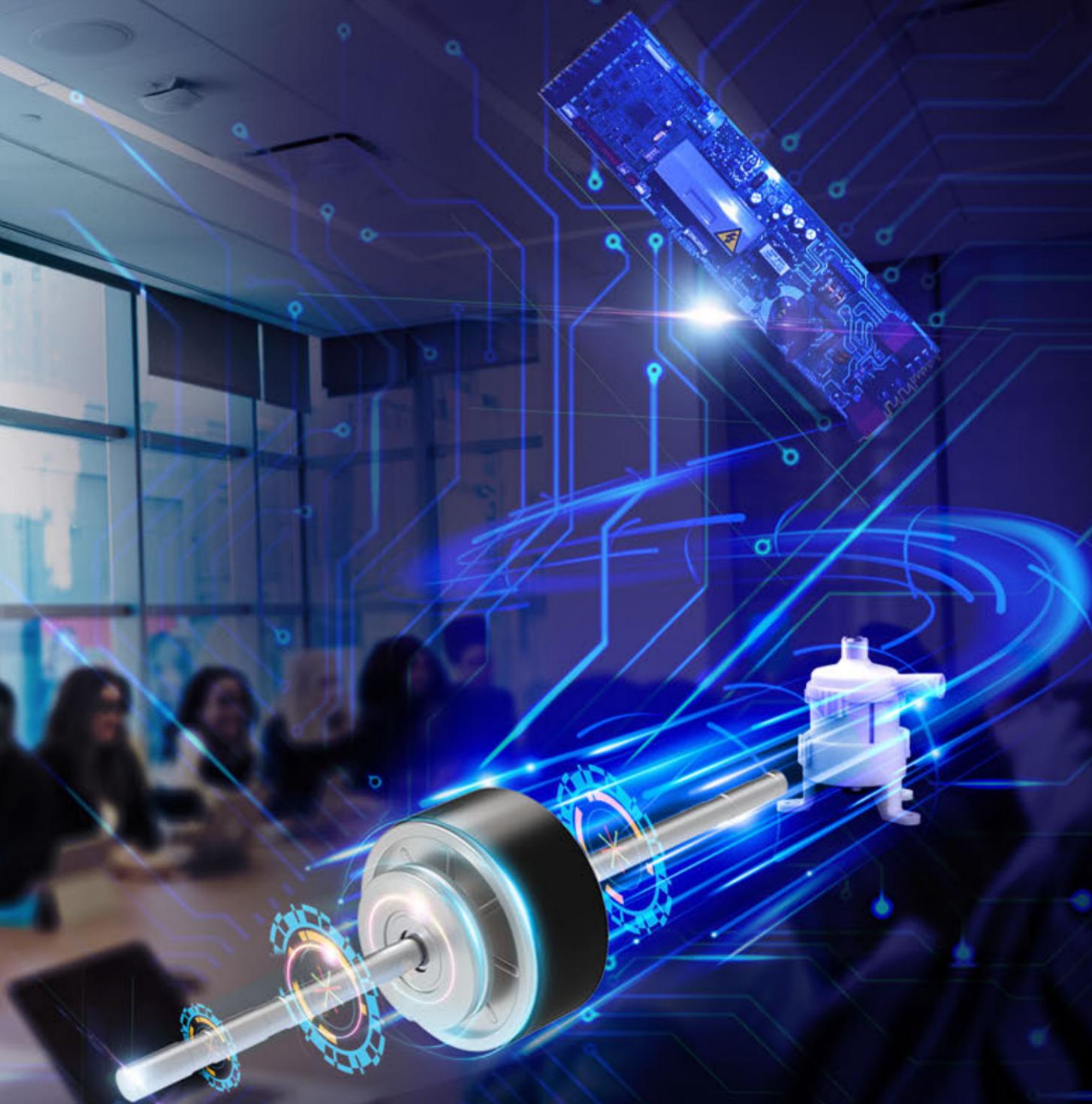
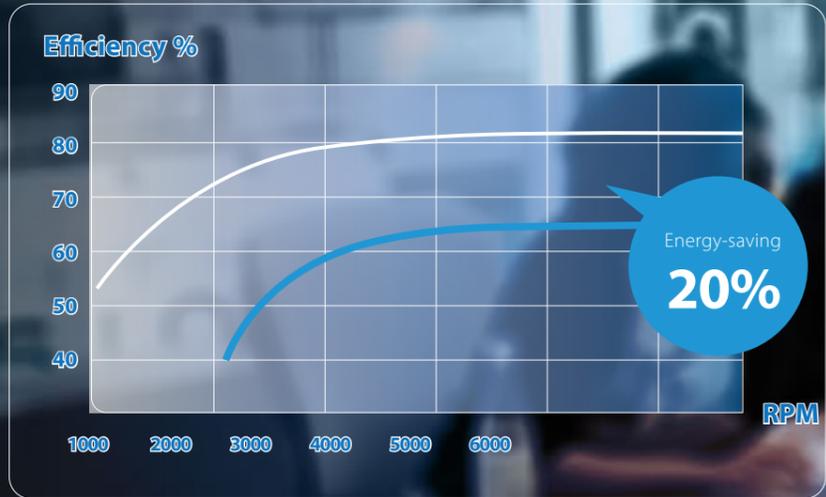
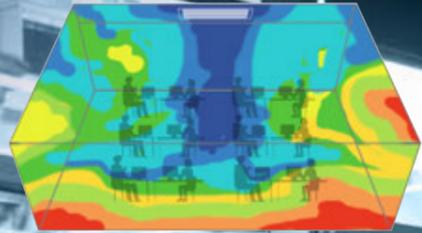
HEAT EXCHANGER SELF-CLEANING*

* Heat exchanger self-cleaning function can be available only when V8 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.



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

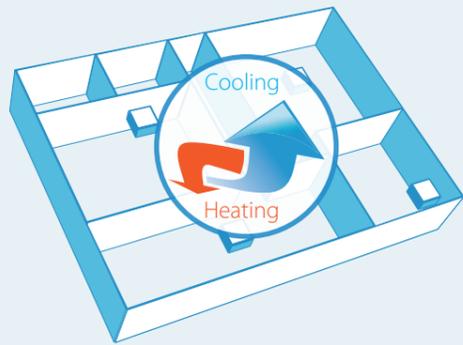
Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



WIDER APPLICATION

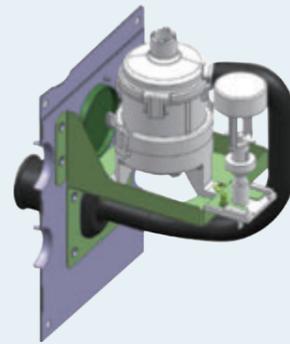
Auto Cooling-heating Changeover

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



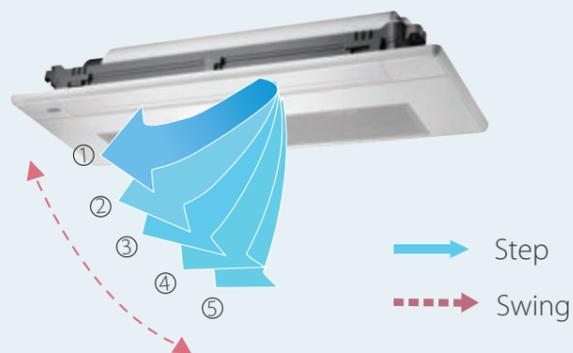
Digital feedback DC water pump

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.



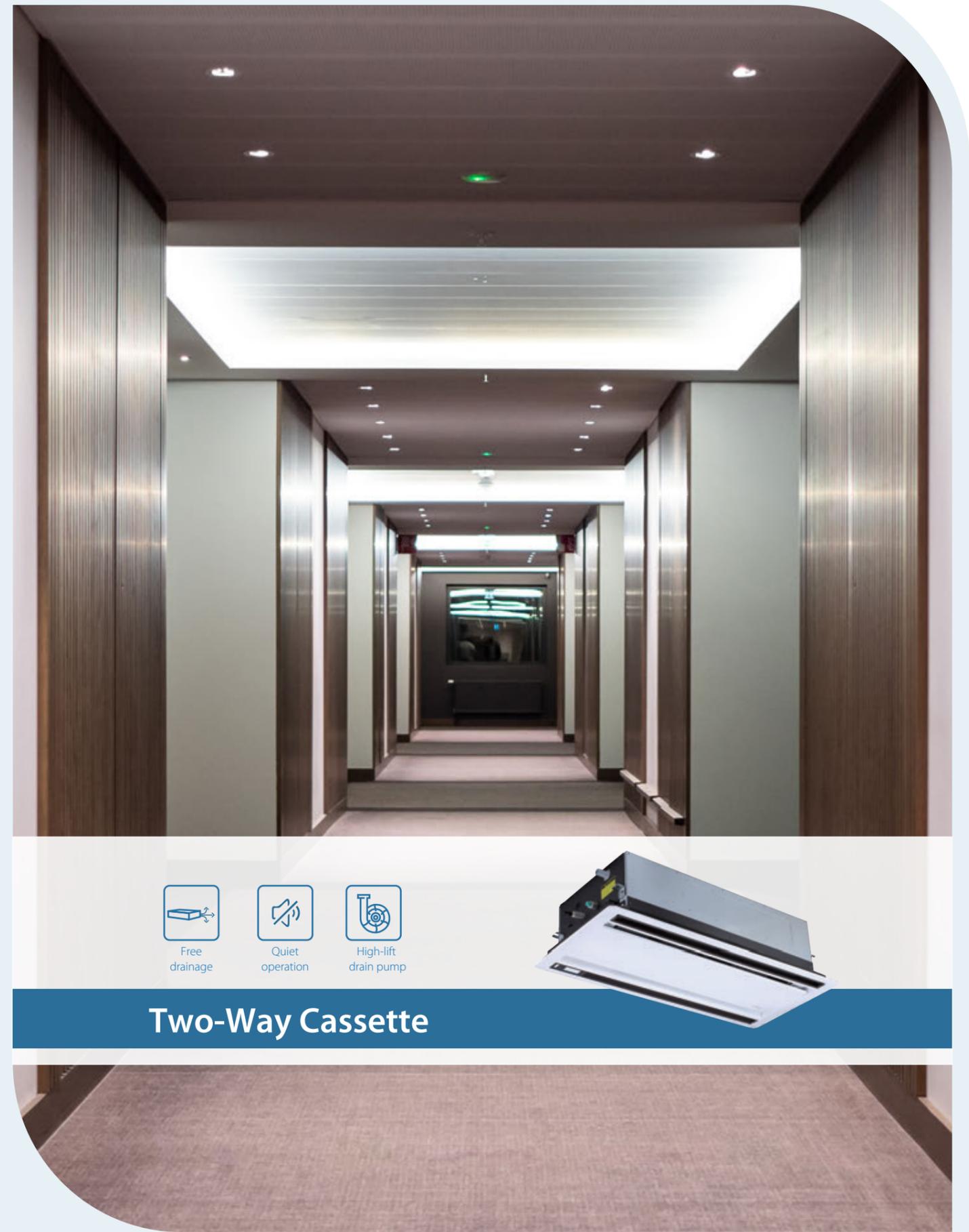
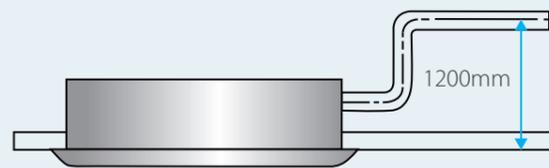
Multiple Steps Vertical Swing

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.



Digital display

Buzzer Sound On/Off

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



Buzzer

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

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

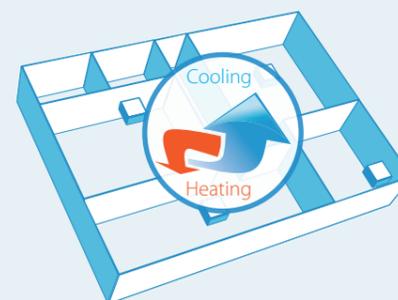
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WIDER APPLICATION

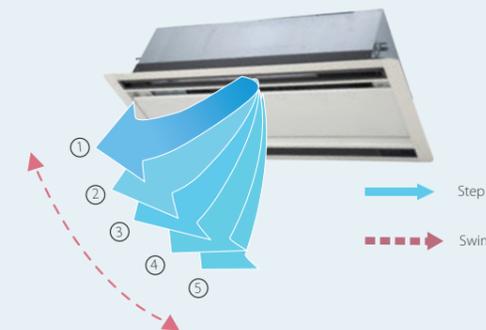
Auto Cooling-heating Changeover

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



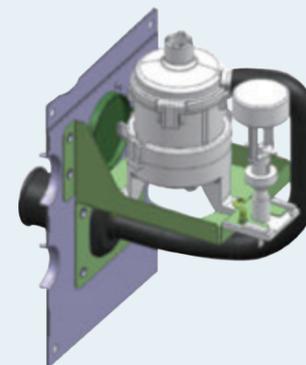
Multiple Steps Vertical Swing

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°.



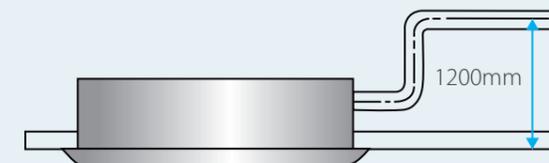
Digital feedback DC water pump

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



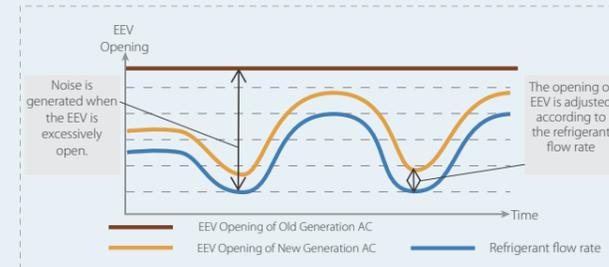
Compact Four-Way Cassette



COMFORT

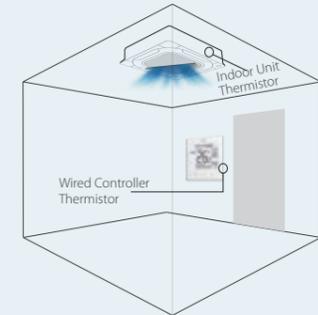
EEV automatic adjustment

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.



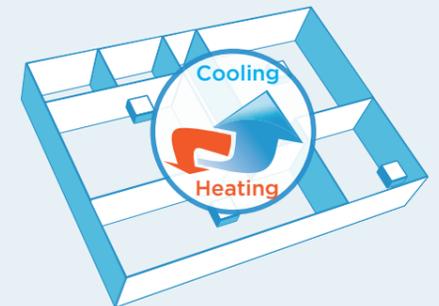
The indoor unit automatically runs when detecting human body

The indoor unit automatically stops when detecting absence

*This function is available as a customization option for V8 Compact Four Way Cassette.

Auto Cooling-heating Changeover

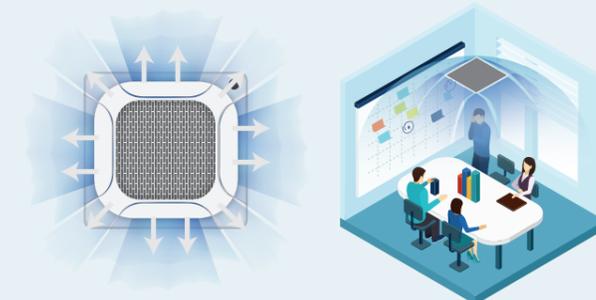
Automatically selects cooling or heating mode to achieve the set temperature.



AIR FLOW

360° Airflow

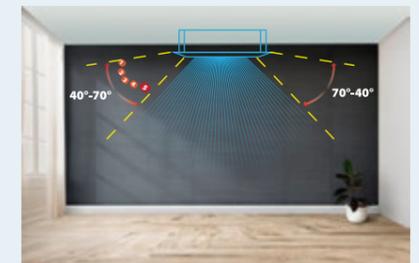
New design, round airflow path ensures uniform airflow and temperature distribution.



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



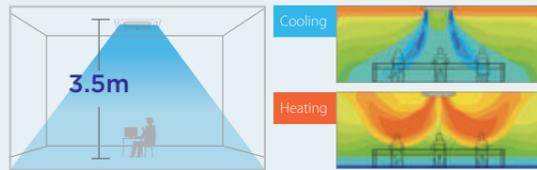
7 Fan Speeds

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



Long Distance Air Delivery

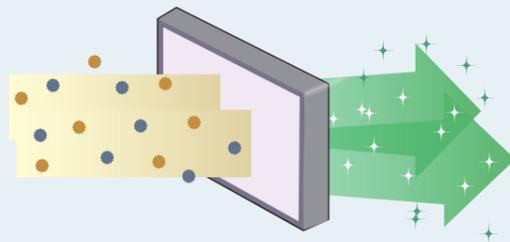
The Compact Four-way Cassette has an additional 30Pa static pressure for long airflow delivery and is capable of being used in spaces up to 3.5m in floor height.



HEALTH

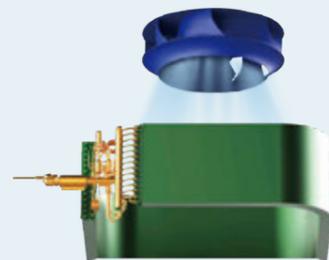
Optional F6-class Air Filter

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.



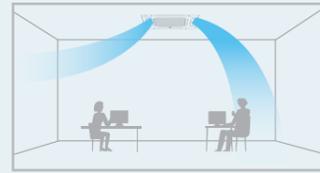
Mildew proof of heat exchanger

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.



Individual Louver Control

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



Soft Wind Mode

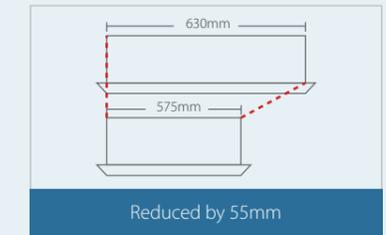
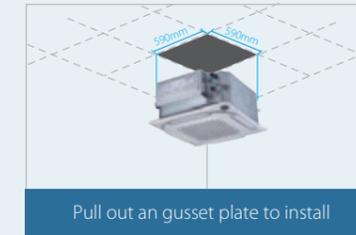
Supplies air against the ceiling to create windless environment.



EASY INSTALLATION

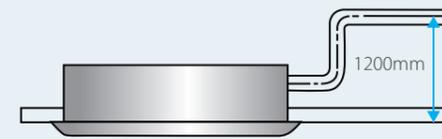
Compact and stylish design

New Compact Four-way Cassette panel size is fit into the ceiling tile(620mm X 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.



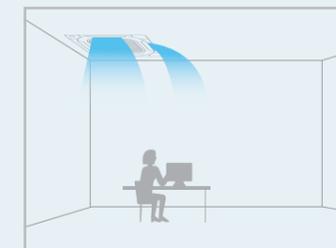
Water level switch

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.

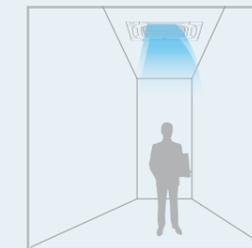


Air baffle fittings for irregular rooms

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.



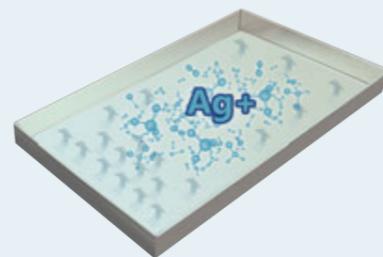
At the corner



In the narrow room

Silver Ions drain pan (optional)

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





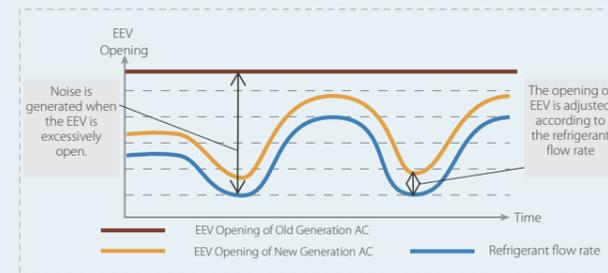
Four-Way Cassette



COMFORT

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The indoor unit automatically runs when detecting human body

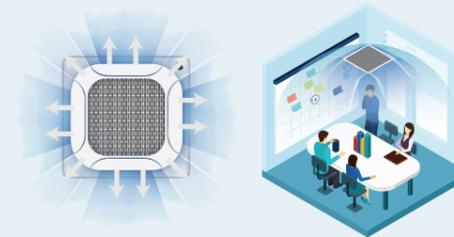
The indoor unit automatically stops when detecting absence

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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%

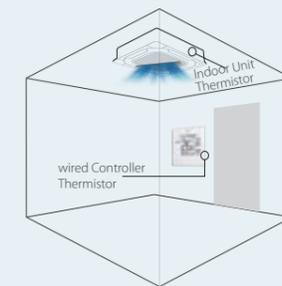
7 Fan Speeds

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



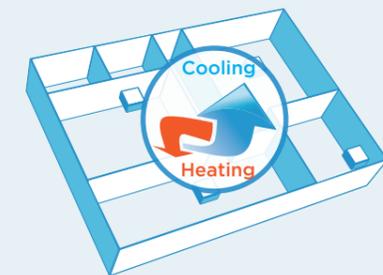
Two thermistors control

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



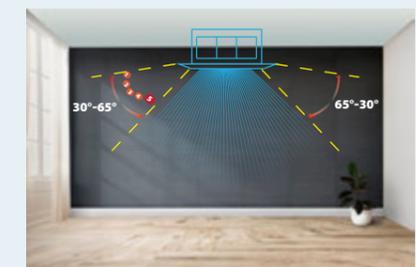
Auto Cooling-heating Changeover

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



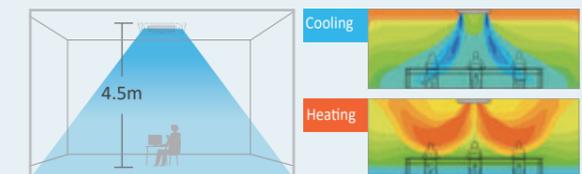
Multiple Steps Vertical Swing

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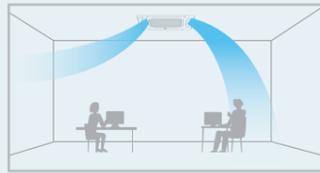
Long Distance Air Delivery

The Four-way Cassette has an additional 50Pa static pressure for long airflow delivery and is capable of being used in spaces up to 4.5m in floor height.



Individual Louver Control

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



Soft Wind Mode

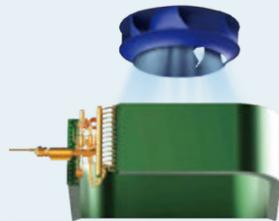
Supplies air against the ceiling to create windless environment.



HEALTH

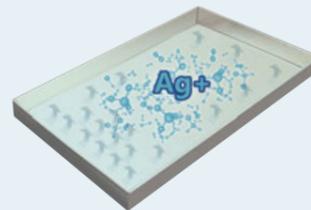
Mildew proof of heat exchanger

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)

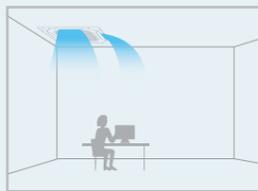
Slow-released nano-silver ions can keep the drain pan free of mold for a long time.



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

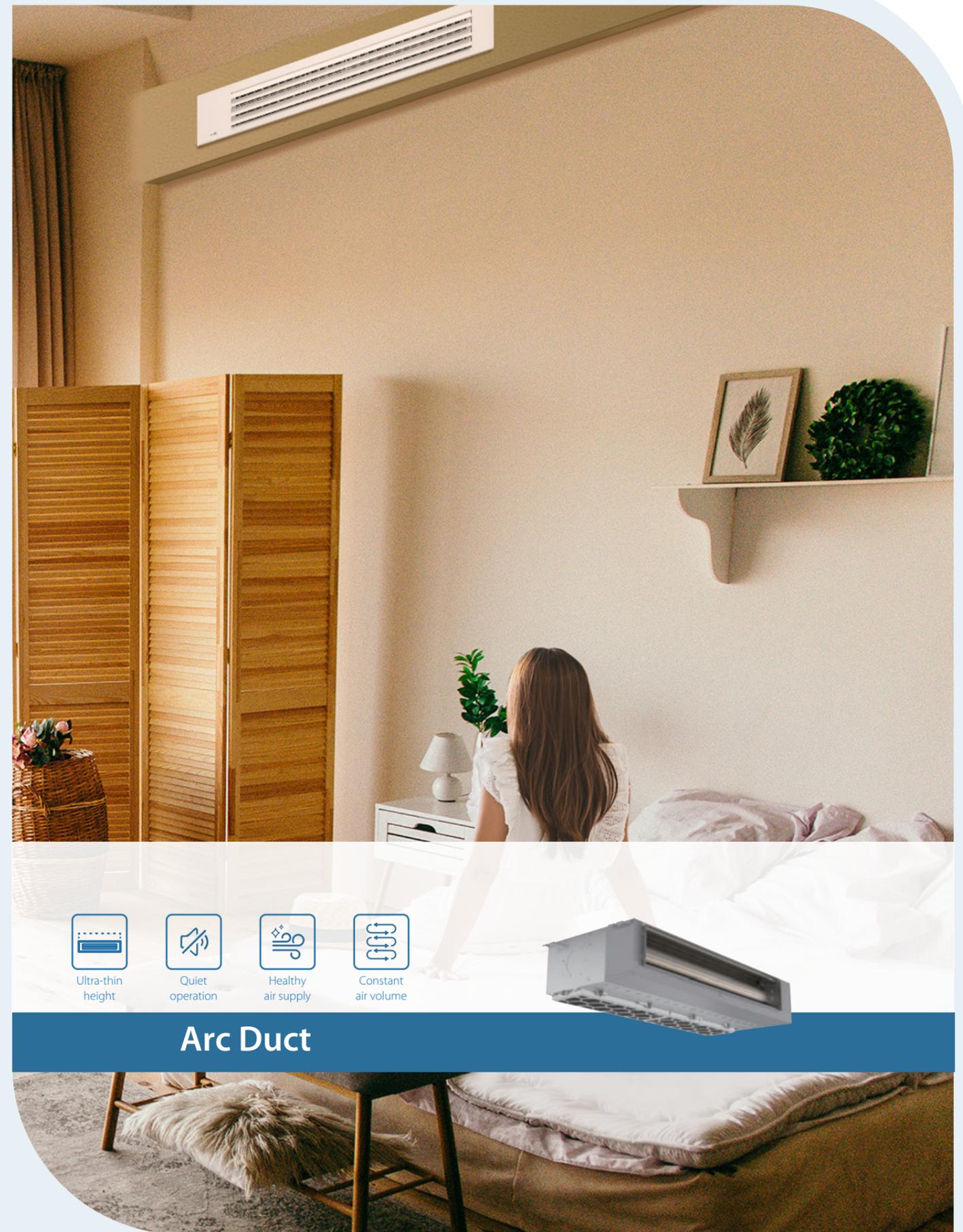
High-lift drain pump

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

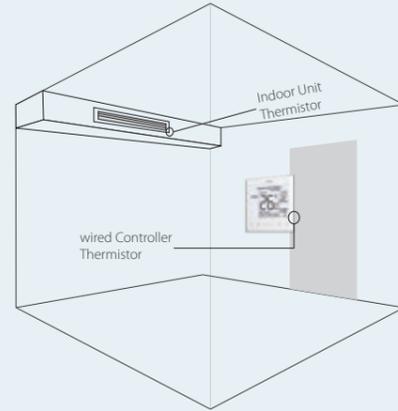
By optimizing the design of fan motor, air duct and heat exchanger, the new duct operates with noise as low as 22dB(A), creating a quieter and more comfortable environment.



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

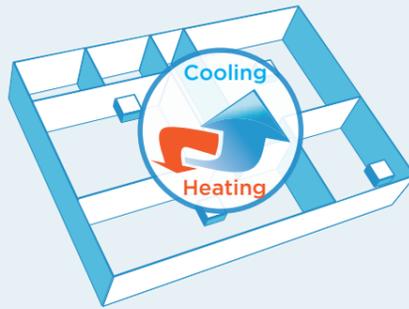
Two thermistors control

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



Auto Cooling-heating Changeover

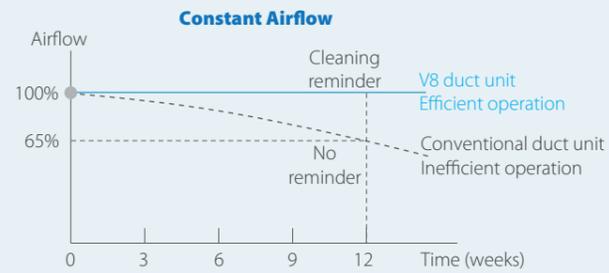
Automatically selects cooling or heating mode to achieve the set temperature.



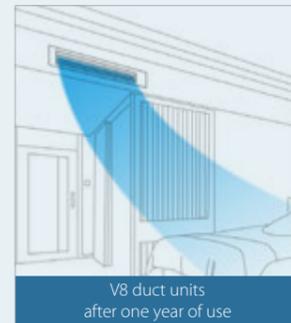
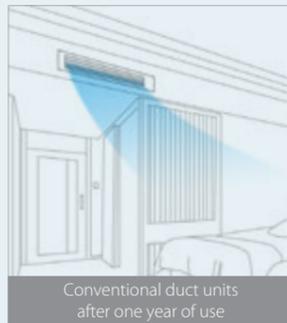
AIR FLOW

Constant Airflow

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



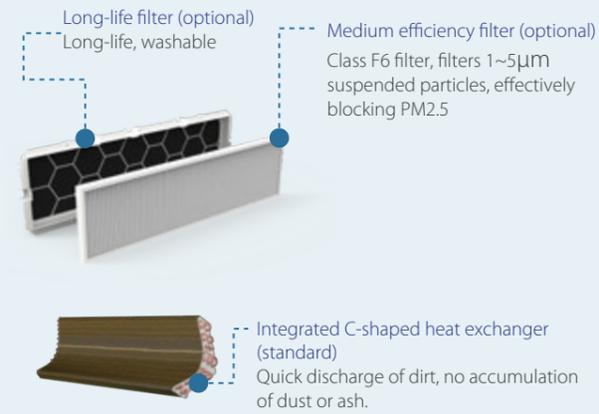
*Data measured in the UX lab of Midea



HEALTH

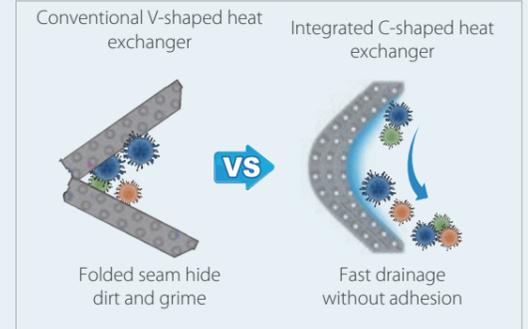
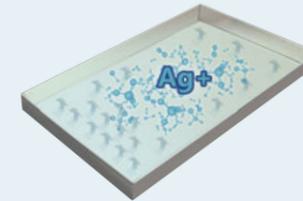
Healthy Air Supply

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)

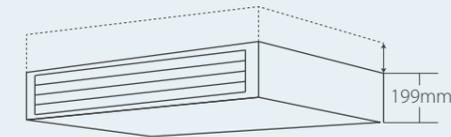
Slow-released nano-silver ions can keep the drain pan free of mold for a long time.



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.



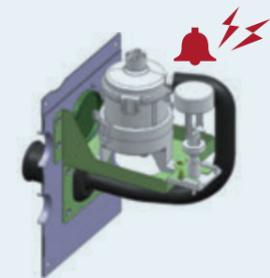
High-lift drain pump

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.



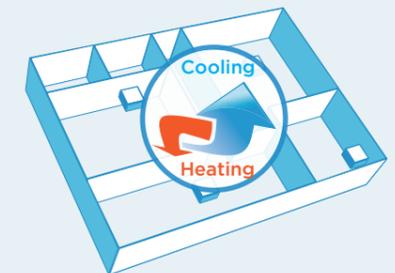
0.5°C/1°C Setting Temperature Adjustment

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



Auto Cooling-heating Changeover

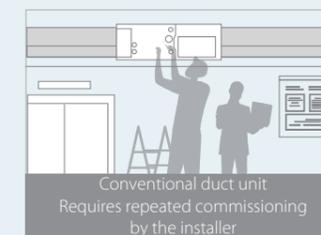
Automatically selects cooling or heating mode to achieve the set temperature.



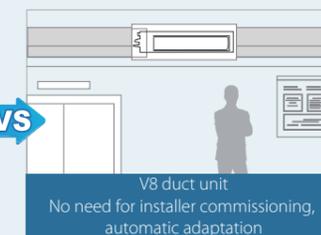
AIR FLOW

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.



VS



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%.

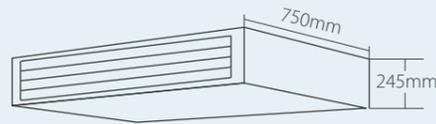
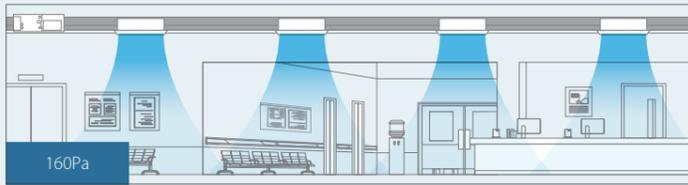


* This function is available as a customization option.

EASY INSTALLATION

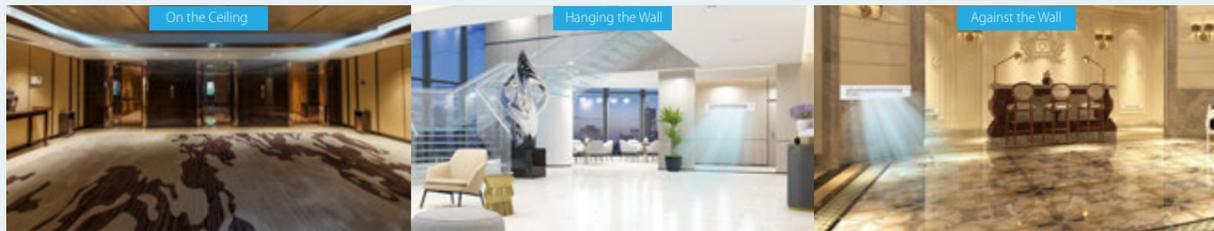
Thin Body with High ESP

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.

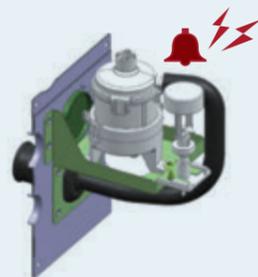
High-lift drain pump

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

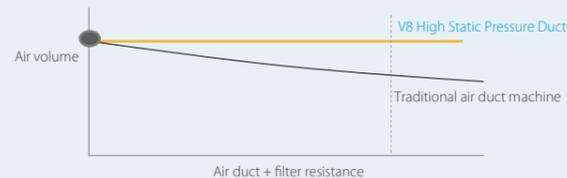
High Static Pressure Duct



AIR FLOW

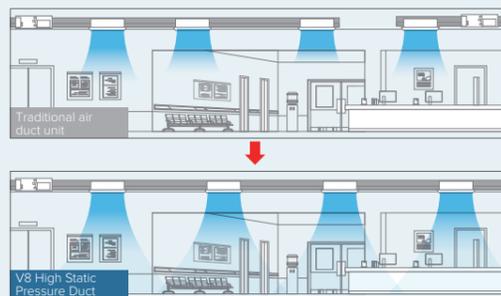
Constant Airflow Technology

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

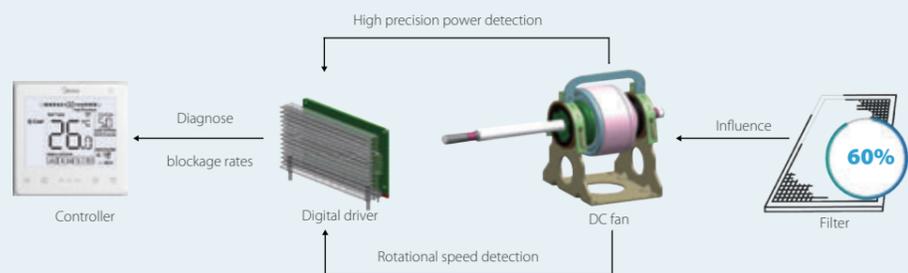
The static pressure can reach 250Pa(5.6-16kW) or 400Pa(20-56kW), so the air supply distance is longer. Especially in long and narrow spaces such as corridors, it can reduce the number of units used and save investment costs..



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

From Germany -OSRAM quality UV light source

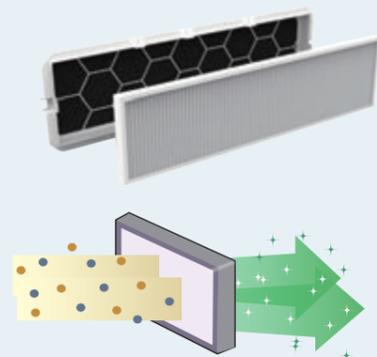
Ozone -Free
UV leakage-Free

*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%.

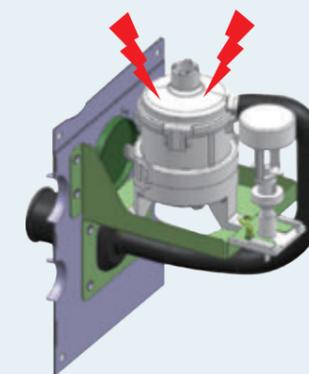


WIDER APPLICATION

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

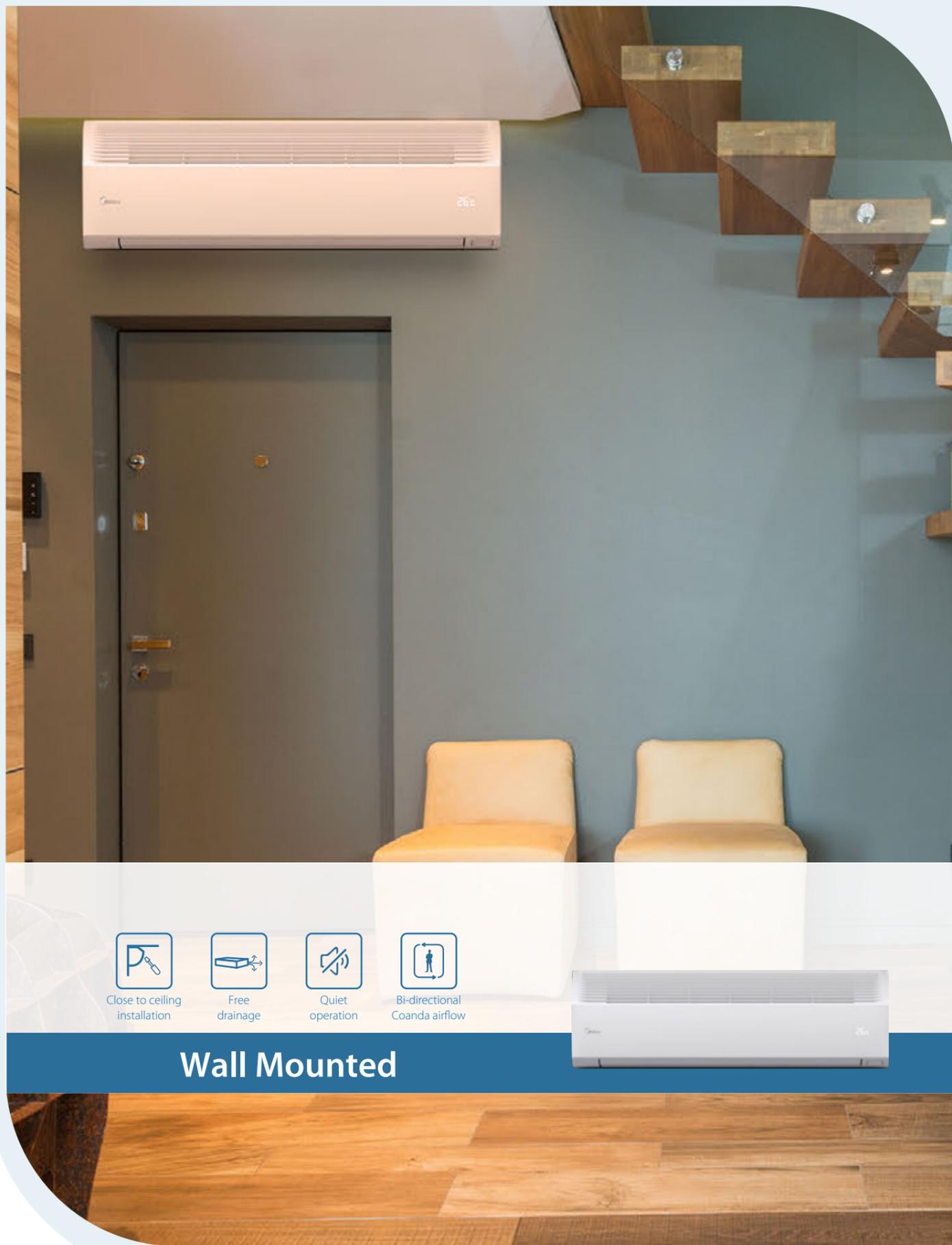
For High static pressure duct(5.6-16kW), the fuselage thickness is only 299mm, the height required for ceiling installation is greatly reduced which leads to be able to cope with more installation situations.



High-lift drain pump

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





- Close to ceiling installation
- Free drainage
- Quiet operation
- Bi-directional Coanda airflow

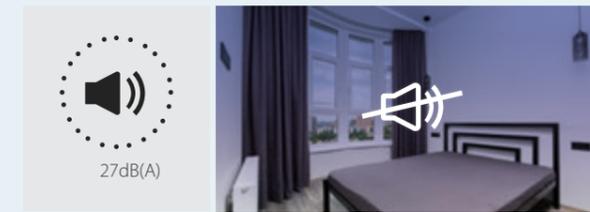
Wall Mounted



COMFORT

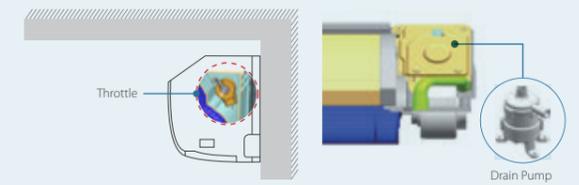
Quiet Operation

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



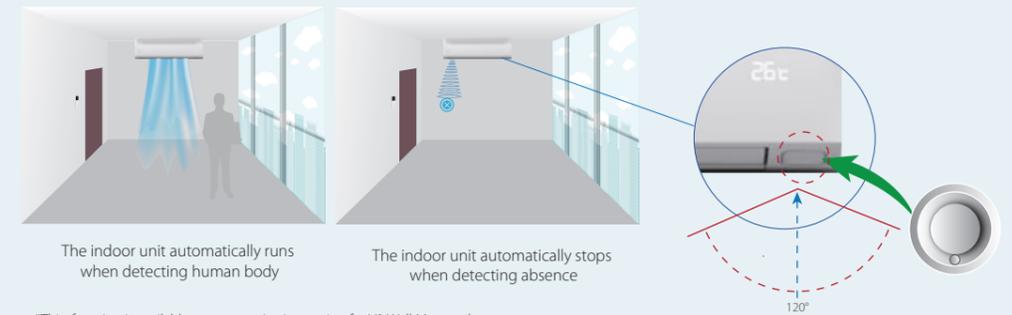
Enclosed design

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



Human Detect Sensor*

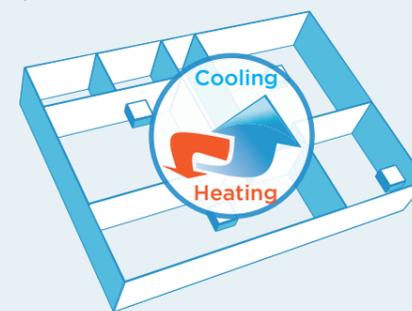
Using millimeter-wave radar sensor controller automatically turns indoor units on or off upon detecting that the room is occupied or unoccupied, ensuring climate control whilst minimizing energy consumption.



*This function is available as a customization option for V8 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.

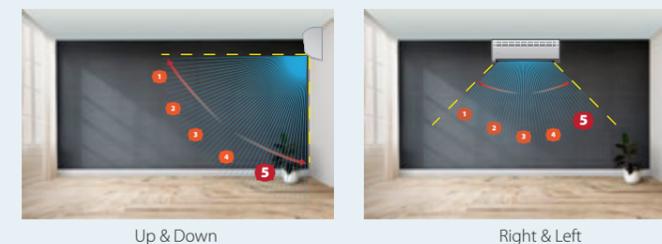


*Temperature on left is for reference.

AIR FLOW

3D Air Flow*

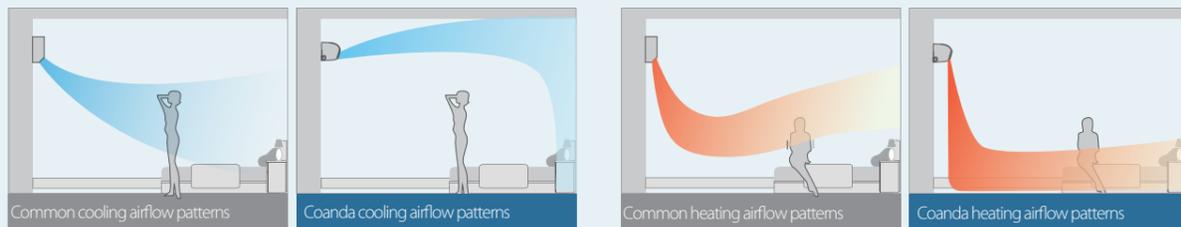
Possibility to select automatic vertical and horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution.



*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.

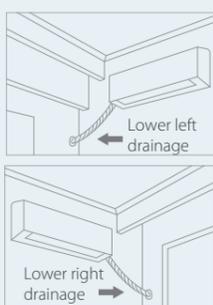


There is some distance from ceiling

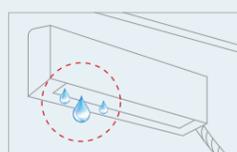
The distance from the ceiling is 3cm

Free Drainage without Space Restrictions

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



Most conventional Wall Mounted unit does not have a drain pump and the condensate pipe can only be installed underneath the unit, relying on gravity to drain the condensate to the nearest window.

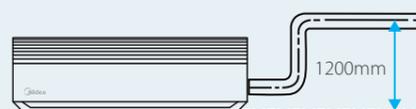


When the condensate pipe is blocked, condensate can drip down onto the floor and damage it.



High-lift drain pump*

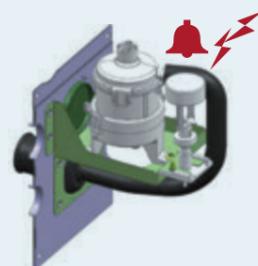
A drain pump with a 1200mm raise height is fitted as a customization option, simplifying installation of the drain piping.



*The drain pump is available as a customization option.

Fault Feedback*

Early warning of drain pump fault.



Healthy air supply



Multi-functional Expansion



Flexible installation



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.



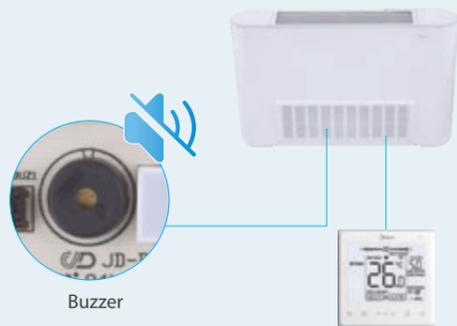
Quiet Operation

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



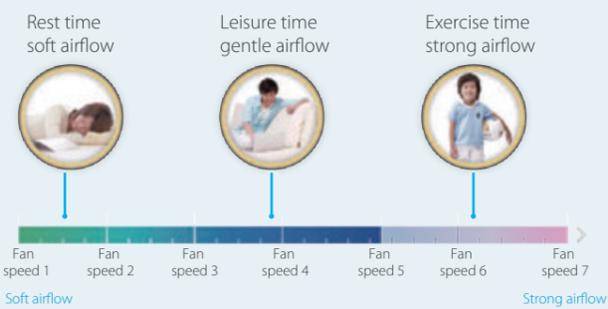
Buzzer Sound On/Off

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



Multiple Fan Speeds

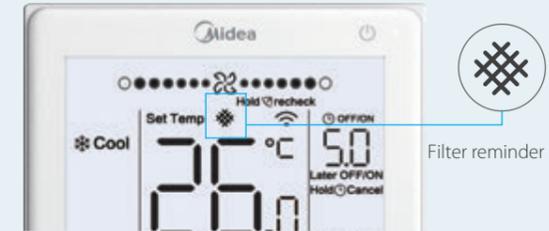
7 indoor fan speeds provide control flexibility to meet the needs of different indoor conditions.



HEALTH

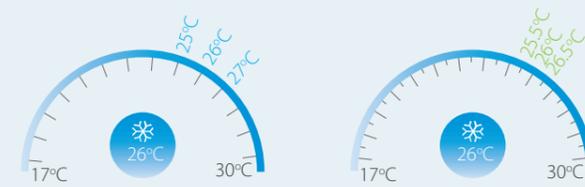
Dirty Filters Indicator Signal

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



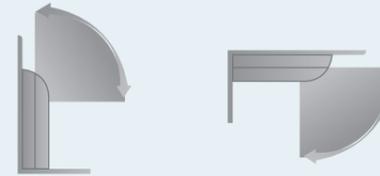
Ceiling&Floor



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

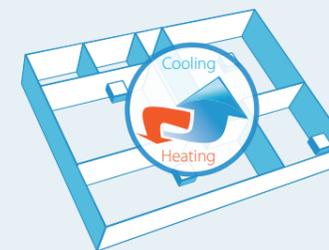


Drain Pump

*Drain Pump is available as a customization option for unit

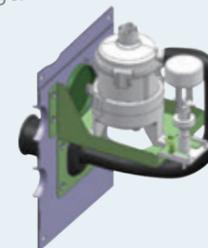
Auto Cooling-heating Changeover

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.



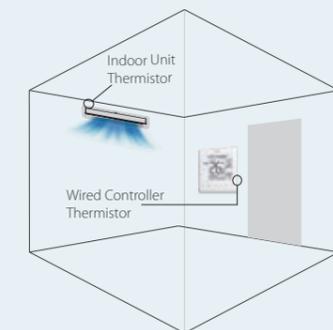
The indoor unit automatically runs when detecting human body

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





Compact design



Healthy air supply



Energy Saving



V8 HRV

Features

Wide Capacity Range

The airflow is from 200m³/h to 2000m³/h which can meet the requirements of most scenarios.



200-400m³/h



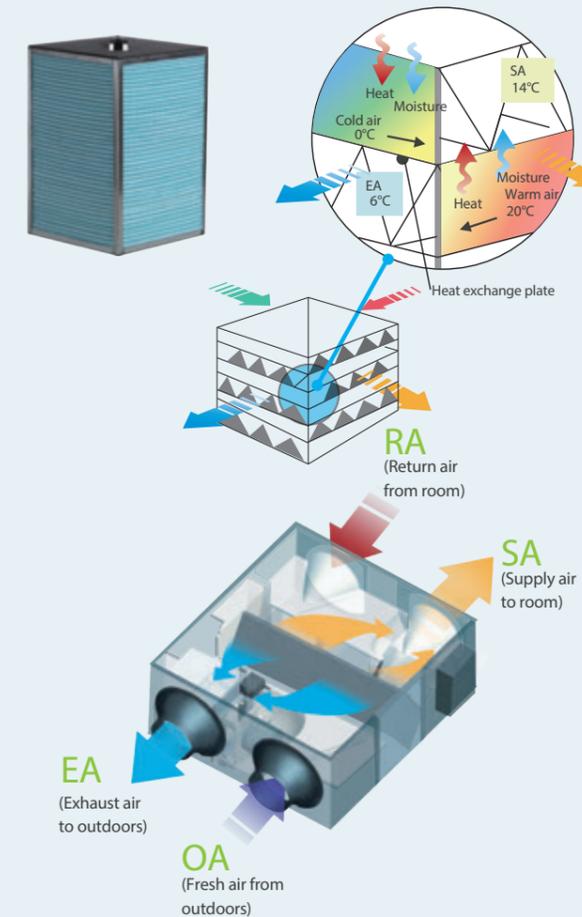
500-1000m³/h



1500-2000m³/h

Energy Saving, Heat Recovery for Both Heat and Humidity

The heat recovery ventilator (HRV) can greatly reduce energy loss and room temperature fluctuations caused by the ventilation process. The Midea HRV's strong performance is a result of the advanced technology incorporated into its design. The heat exchanger core is made of specially filter material which gives enhanced temperature and humidity control. It prevents energy being wasted by recovering waste heat from the outgoing air, thus offering much greater levels of efficiency, while improving comfort levels too.

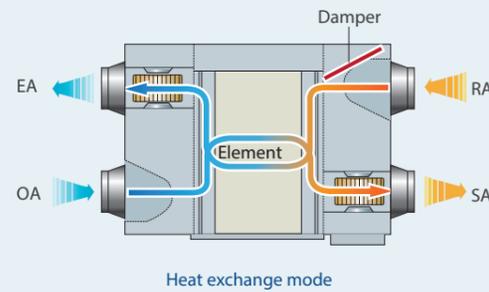


Multiple Operation Modes

Multiple operation modes: Auto, Bypass, Heat recovery, Free cooling mode.

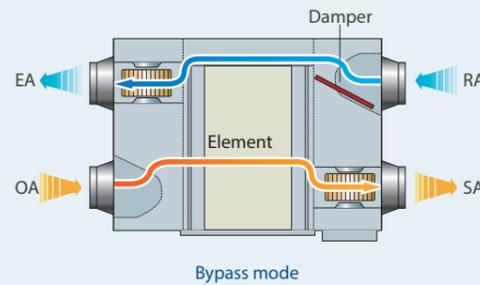
Heat exchange mode

The flows of incoming and outgoing air pass close to each other, allowing heat transfer between the two channels. During summer, incoming air is cooled by the indoor air being exhausted and in winter, incoming air is warmed.



Bypass mode

In mild climates or seasons, where temperature and humidity differences between indoors and outdoors are small, the HRV can work as a conventional ventilation fan. In standard bypass mode the supply and exhaust fans run at the same speed.

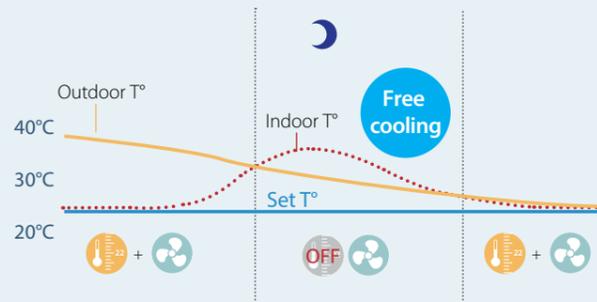


Auto mode

The controller chooses heat exchange mode or bypass mode according to the temperature difference between outdoors and indoors. Both fans are set to run at low speed.

Free Cooling Mode*

Free cooling mode is only available for DC Series HRV. Free cooling operation is an energy saving function operating when outdoor ambient temperature is below indoor ambient temperature, it uses low temperature fresh air to cool down indoor temperature, reducing the running costs.



*The function is only enabled when connected to the centralized control

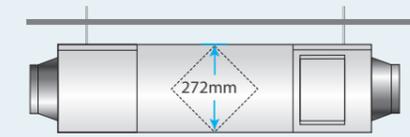
High Efficiency Filter

Standard Built-in G4-class dust filter, optional F7-class filter for air supply side and M5-class filter for exhaust air side in line with EU legislations can be customized.



Easy Installation

Slim and compact design of units, making the installation more convenient.



Wide Range of Controllers.

The HRV has its special wired controller WDC3-86S2. It also can be centralized control with VRF system through centralized controller and network control with VRF system through Midea gateways.

Wired Controller



WDC3-86S2

Gateway*



GW3-CLOUD



V8 BMS gateway

Centralized Controller*

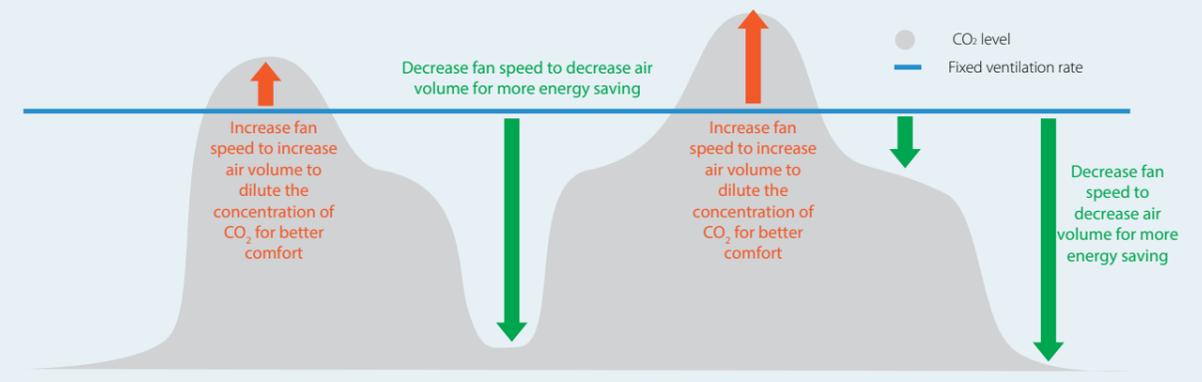


IMMPRO II TC3-10.1

*The centralized control will be available in December 2023. The gateway will be available in March 2024

CO₂ Sensor Option

Enough fresh air is needed to create an enjoyable environment, but ventilating constantly is leading to energy waste. Therefore, an optional CO₂ sensor can be installed which switches off the ventilation system when there is enough fresh air in the room, thus saving energy.





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

HRV

Ceiling&Floor

Specifications

One-Way Cassette

Model name		MIH18Q1N18	MIH22Q1N18	MIH28Q1N18	MIH36Q1N18	MIH45Q1N18	MIH56Q1N18	MIH71Q1N18	
Power supply		1-phase, 220-240V, 50Hz							
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
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
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	43/41/40/39/37/36/35
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	57/55/54/53/51/50/49
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	
Pipe connections		Liquid/Gas pipe	mm					Ø6.35/Ø12.7	Ø9.52/Ø15.9
		Drain pipe						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.
- 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 an 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		MIH22Q2N18	MIH28Q2N18	MIH36Q2N18	MIH45Q2N18	MIH56Q2N18	MIH71Q2N18		
Power supply		1-phase, 220-240V, 50Hz							
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	
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	
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	39/37/36/35/33/31/30	44/42/41/40/38/36/34	
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	53/52/51/50/48/47/4	55/53/52/51/49/47/46	60/58/57/56/54/52/50	
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						OD 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 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

Compact Four-Way Cassette

Model		MIH15Q4CN18	MIH22Q4CN18	MIH28Q4CN18	MIH36Q4CN18		
Power supply		1-phase, 220-240V, 50Hz					
Cooling ¹	Capacity	kW	1.5	2.2	2.8	3.6	
		kBut/h	5.1	7.5	9.6	12.3	
Heating ²	Capacity	kW	1.8	2.4	3.2	4.0	
		kBut/h	6.1	8.2	10.9	13.7	
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		42/41/40/39/39/38/38	42/40/39/38/38/38/38	
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					OD Ø25

Model		MIH45Q4CN18	MIH56Q4CN18	MIH63Q4CN18		
Power supply		1-phase, 220-240V, 50Hz				
Cooling ¹	Capacity	kW	4.5	5.6	6.3	
		kBut/h	15.4	19.1	21.5	
Heating ²	Capacity	kW	5.0	6.3	7.1	
		kBut/h	17.1	21.5	24.2	
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			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			MIH28Q4N18	MIH36Q4N18	MIH45Q4N18	MIH56Q4N18
Power supply			1-phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	2.8	3.6	4.5	5.6
		kBtu/h	9.6	12.3	15.4	19.1
	Power input	W	17.0	17.0	23	23
Heating ²	Capacity	kW	3.2	4.0	5.0	6.3
		kBtu/h	10.9	13.7	17.1	21.5
	Power input	W	17.0	17.0	23	23
Air flow rate ³ (0Pa)		m ³ /h	790/740/691/641/591/542/492	790/740/691/641/591/542/492	840/787/733/680/626/573/519	840/791/741/692/642/593/543
Sound pressure level ⁴ (0Pa)		dB(A)	30/29/28/27.5/27/26/25	30/29/28/27.5/27/26/25	33/32/31/30/29/28/27	33/32/31/30/29/28/27
Sound power level		dB(A)	43/42/41/41/40/39/39	44/43/42/42/41/40/39	49/48/47/46/45/44/43	49/48/48/47/46/45/44
Main body	Net dimensions ⁵ (W×H×D)	mm	840×204×840			
	Packed dimensions (W×H×D)	mm	940×250×940			
	Net/Gross weight	kg	18/20.5		19.5/22	
Panel	Net dimensions ⁶ (W×H×D)	mm	950×53×950			
	Packed dimensions (W×H×D)	mm	1020×90×1020			
	Net/Gross weight	kg	5.6/7.3			
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			
	Drain pipe	mm	OD Ø25			

Model			MIH71Q4N18	MIH80Q4N18	MIH90Q4N18
Power supply			1-phase, 220-240V, 50Hz		
Cooling ¹	Capacity	kW	7.1	8.0	9.0
		kBtu/h	24.2	27.3	30.7
	Power input	W	31	41	43
Heating ²	Capacity	kW	8.0	9.0	10.0
		kBtu/h	27.3	30.7	34.1
	Power input	W	31	41	43
Air flow rate ³ (0Pa)		m ³ /h	1000/943/886/829/772/715/658	1330/1239/1148/1057/965/874/783	1330/1239/1148/1057/965/874/783
Sound pressure level ⁴ (0Pa)		dB(A)	37/36/34/33/32/30/29	38/37/35/34/32/31/29	38/37/35/34/32/31/29
Sound power level		dB(A)	51/50/49/48/47/46/46	53/52/51/50/49/48/47	54/53/52/51/50/49/48
Main body	Net dimensions ⁵ (W×H×D)	mm	840×246×840		
	Packed dimensions (W×H×D)	mm	940×295×940		
	Net/Gross weight	kg	22/24.5		
Panel	Net dimensions ⁶ (W×H×D)	mm	950×53×950		
	Packed dimensions (W×H×D)	mm	1020×90×1020		
	Net/Gross weight	kg	5.6/7.3		
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9		
	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 a semi-anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
- Exposed height of the panel after being installed on the ceiling.

Specifications

Four-Way Cassette

Model			MIH100Q4N18	MIH112Q4N18	MIH140Q4N18
Power supply			1-phase, 220-240V, 50Hz		
Cooling ¹	Capacity	kW	10.0	11.2	14
		kBtu/h	34.1	38.2	47.8
	Power input	W	54	61	89
Heating ²	Capacity	kW	11.2	12.5	16.0
		kBtu/h	38.2	42.7	54.6
	Power input	W	54	61	89
Air flow rate ³ (0Pa)		m ³ /h	1445/1363/1282/1200/1118/1037/955	1600/1497/1393/1290/1186/1083/979	1730/1624/1518/1412/1306/1200/1094
Sound pressure level ⁴ (0Pa)		dB(A)	39/38/37/36/35/34/33	41/40/38/37/36/34/33	43/42/40/39/37/36/34
Sound power level		dB(A)	54/53/52/51/50/50/49	57/56/55/54/53/52/51	58/57/56/55/54/53/52
Main body	Net dimensions ⁵ (W×H×D)	mm	840×288×840		
	Packed dimensions (W×H×D)	mm	940×335×940		
	Net/Gross weight	kg	24/26.5		26.5/29
Panel	Net dimensions ⁶ (W×H×D)	mm	950×53×950		
	Packed dimensions (W×H×D)	mm	1020×90×1020		
	Net/Gross weight	kg	5.6/7.3		
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9		
	Drain pipe	mm	OD Ø25		

Model			MIH160Q4N18	MIH180Q4N18
Power supply			1-phase, 220-240V, 50Hz	
Cooling ¹	Capacity	kW	16	18
		kBtu/h	54.6	61.4
	Power input	W	110	145
Heating ²	Capacity	kW	18	20
		kBtu/h	61.4	68.2
	Power input	W	110	145
Air flow rate ³ (0Pa)		m ³ /h	2100/1900/1760/1630/1500/1380/1270	2300/2140/1960/1770/1600/1430/1270
Sound pressure level ⁴ (0Pa)		dB(A)	48/46/44/43/41/39/37	52/49/47/45/42/39/38
Sound power level		dB(A)	57/56/54/52/50/47/46	60/58/56/54/52/49/46
Main body	Net dimensions ⁵ (W×H×D)	mm	950×300×950	
	Packed dimensions (W×H×D)	mm	1050×350×1050	
	Net/Gross weight	kg	32.6/37.2	32.7/37.3
Panel	Net dimensions ⁶ (W×H×D)	mm	1050×55×1050	
	Packed dimensions (W×H×D)	mm	1115×100×1115	
	Net/Gross weight	kg	7.4/9.7	
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9	
	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 a semi-anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
- Exposed height of the panel after being installed on the ceiling.

Specifications

Four-Way Cassette (Dehumidify Series)

Model name		MIH45Q4N18(Q)	MIH56Q4N18(Q)	MIH71Q4N18(Q)	MIH80Q4N18(Q)	
Power supply		1-phase, 220-240V, 50Hz				
Cooling ¹	Capacity	kW	4.5	5.6	7.1	8.0
		kBut/h	15.4	19.1	24.2	27.3
	Input	W	20	20	40	46
Heating ²	Capacity	kW	5.0	6.3	8.0	9.0
		kBut/h	17.1	21.5	27.3	30.7
	Input	W	20	20	40	46
Airflow rate ³	m ³ /h	829/801/772/744/715/687/658	829/801/772/744/715/687/658	1118/1091/1064/1037/1009/982/955	1282/1228/1173/1119/1064/1009.5/955	
Sound pressure level ⁴	dB(A)	33/32.3/31.7/31/30.3/29.7/29	33/32.3/31.7/31/30.3/29.7/29	35/34.7/34.3/34/33.7/33.3/33	37/36.3/35.7/35/34.3/33.7/33	
Sound power level	dB(A)	48/47.7/47.3/47/46.7/46.3/46	48/47.7/47.3/47/46.7/46.3/46	50/49.8/49.7/49.5/49.3/49.2/49	52/51.5/51/50.5/50/49.5/49	
Main body	Net dimensions ⁵ (W×H×D)	mm	840×246×840		840×288×840	
	Packed dimensions (W×H×D)	mm	940×295×940		940×335×940	
	Net/Gross weight	kg	22/24.5	22/24.5	24/26.5	24/26.5
Panel	Net dimensions ⁶ (W×H×D)	mm	950×53×950	950×53×950	950×53×950	950×53×950
	Packed dimensions (W×H×D)	mm	1020×90×1020	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	5.6/7.3
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		Φ9.52/Φ15.9	
	Drain pipe	mm	OD Φ25			

Model name		MIH90Q4N18(Q)	MIH100Q4N18(Q)	MIH112Q4N18(Q)	MIH140Q4N18(Q)	
Power supply		1-phase, 220-240V, 50Hz				
Cooling ¹	Capacity	kW	9.0	10.0	11.2	14.0
		kBut/h	30.7	34.1	38.2	47.8
	Input	W	46	62	73	89
Heating ²	Capacity	kW	10.0	11.2	12.5	16.0
		kBut/h	34.1	38.2	42.7	54.6
	Input	W	46	62	73	89
Airflow rate ³	m ³ /h	1282/1228/1173/1119/1064/1010/955	1412/1359/1306/1253/1200/1147/1094	1518/1447/1377/1306/1235/1165/1094	1730/1624/1518/1412/1306/1200/1094	
Sound pressure level ⁴	dB(A)	37/36.3/35.7/35/34.3/33.7/33	39/38.2/37.3/36.5/35.7/34.8/34	40/39/38/37/36/35/34	43/41.5/40/38.5/37/35.5/34	
Sound power level	dB(A)	52/51.5/51/50.5/50/49.5/49	55/54.5/54/53.5/53/52.5/52	56/55.3/54.7/54/53.3/52.7/52	58/57/56/55/54/53/52	
Main body	Net dimensions ⁵ (W×H×D)	mm	840×288×840		840×288×840	
	Packed dimensions (W×H×D)	mm	940×335×940		940×335×940	
	Net/Gross weight	kg	24/26.5	26.5/29	26.5/29	26.5/29
Panel	Net dimensions ⁶ (W×H×D)	mm	950×53×950	950×53×950	950×53×950	950×53×950
	Packed dimensions (W×H×D)	mm	1020×90×1020	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	5.6/7.3
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.
- Exposed height of the panel after being installed on the ceiling.

Specifications

Arc Duct

Model		MIH15T3N18	MIH22T3N18	
Power supply		1-phase, 220-240V, 50Hz		
Cooling ¹	Capacity	kW	1.5	2.2
		kBut/h	5.1	7.5
	Power input	W	21	22
Heating ²	Capacity	kW	1.8	2.5
		kBut/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		MIH28T3N18	MIH36T3N18	MIH45T3N18	
Power supply		1-phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	2.8	3.6	4.5
		kBut/h	9.6	12.3	15.4
	Power input	W	28	31	43
Heating ²	Capacity	kW	3.2	4	5
		kBut/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			MIH56T3N18	MIH71T3N18	MIH80T3N18
Power supply			1-phase, 220-240V, 50Hz		
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)	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			MIH90T3N18	MIH112T3N18
Power supply			1-phase, 220-240V, 50Hz	
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			MIH15T2N18	MIH22T2N18	MIH28T2N18
Power supply			1-phase, 220-240V, 50Hz		
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			MIH36T2N18	MIH45T2N18	MIH56T2N18
Power supply			1-phase, 220-240V, 50Hz		
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		
	Packed dimensions (W×H×D)	mm	765×305×885		
	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			MIH71T2N18	MIH80T2N18	MIH90T2N18
Power supply			1-phase, 220-240V, 50Hz		
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			MIH112T2N18	MIH125T2N18	MIH140T2N18	MIH160T2N18
Power supply			1-phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	11.2	12.5	14	16
		kBtu/h	38.2	42.7	47.8	54.6
	Power input	W	138	172	172	210
Heating ²	Capacity	kW	12.5	14	16	18
		kBtu/h	42.7	47.8	54.6	61.4
	Power input	W	138	172	172	210
Air flow rate ³	m ³ /h	1950/1817/1683/1550/1417/1283/1150	2105/1971/1837/1703/1568/1434/1300	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)	50 (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	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	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	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

Medium Static Pressure Duct(Dehumidify Series)

Model name			MIH45T2N18(Q)	MIH56T2N18(Q)	MIH71T2N18(Q)	MIH80T2N18(Q)
Power supply			1-phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	4.5	5.6	7.1	8.0
		kBtu/h	15.4	19.1	24.2	27.3
	Input	W	50	63	69	88
Heating ²	Capacity	kW	5.0	6.3	8.0	9.0
		kBtu/h	17.1	21.5	27.3	30.7
	Input	W	50	63	69	88
Airflow rate ³	m ³ /h	823/796/769/742/714/687/660	900/860/820/780/740/700/660	1128/1079/1030/982/933/884/835	1225/1160/1095/1030/965/900/835	
External static pressure ⁴	Pa	30(10-160)	30(10-160)	30(10-160)	40(10-160)	
Sound pressure level ⁵	dB(A)	31/30/29/28/27/26/25	32.5/31/30/29/28/26/25	33/32.5/32/31/30.5/30/29	35/34/33/32/31/30/29	
Sound power level	dB(A)	52/51/50/49/47/46/45	54/53/52/51/48/46/45	57/55/54/52/51/50/49	58/56/55/54/52/50/49	
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	25.0/28.5	25.0/28.5	31.0/35.0	31.0/35.0
Refrigerant type			R410A/R32			
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7		Ø9.52/Ø15.9	
	Drain pipe	mm	OD Ø25			

Model name			MIH90T2N18(Q)	MIH112T2N18(Q)	MIH140T2N18(Q)
Power supply			1-phase, 220-240V, 50Hz		
Cooling ¹	Capacity	kW	9.0	11.2	14.0
		kBtu/h	30.7	38.2	47.8
	Input	W	99	132	166
Heating ²	Capacity	kW	10.0	12.5	16.0
		kBtu/h	34.1	42.7	54.6
	Input	W	99	132	166
Airflow rate ³	m ³ /h	1568/1523/1479/1434/1389/1345/1300	1837/1748/1658/1569/1479/1390/1300	2105/1971/1837/1703/1568/1434/1300	
External static pressure ⁴	Pa	40(10-160)	40(10-160)	50(10-160)	
Sound pressure level ⁵	dB(A)	36.5/36/35.5/35/34/33.5/33	39/38/37.5/36.5/35/34/33	40/38/36/34/32/30/29	
Sound power level	dB(A)	59/58.5/58/57/57.5/57/56	60/59/58.5/58/57.5/57/56	64/62/61.5/59.5/57.5/55/53	
Unit	Net dimensions ⁶ (W×H×D)	mm	1400×245×750		
	Packed dimensions (W×H×D)	mm	1565×305×885		
	Net/Gross weight	kg	39.0/44.0	39.0/44.0	39.0/44.0
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			MIH56T1N18	MIH71T1N18	MIH80T1N18	MIH90T1N18
Power supply			1-phase, 220-240V, 50Hz			
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	1050×299×750			
	Packed dimensions (WxHxD)	mm	1215×359×890			
	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			MIH112T1N18	MIH125T1N18	MIH140T1N18	MIH160T1N18
Power supply			1-phase, 220-240V, 50Hz			
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	1400×299×750			
	Packed dimensions (WxHxD)	mm	1565×359×890			
	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 an 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			MIH200T1N18	MIH224T1N18	MIH252T1N18	MIH280T1N18
Power supply			1-phase, 220-240V, 50Hz			
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	1300×580×900			
	Packed dimensions (WxHxD)	mm	1530×730×1060			
	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			
	Drain pipe	mm	OD Φ32			

Model name			MIH335T1N18	MIH400T1N18	MIH450T1N18	MIH560T1N18
Power supply			1-phase, 220-240V, 50Hz			
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	1300×580×900	1850×580×900		
	Packed dimensions (WxHxD)	mm	1530×730×1060	2080×730×1060		
	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			
	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 an 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			MIH15GN18	MIH22GN18	MIH28GN18	MIH36GN18
Power supply			1-phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	1.5	2.2	2.8	3.6
		kBtu/h	5.1	7.5	9.6	12.3
Heating ²	Capacity	kW	1.7	2.4	3.2	4
		kBtu/h	5.8	8.2	10.9	13.6
Cooling ¹	Power input	W	18	21	24	27
		W	18	21	24	27
Heating ²	Power input	W	18	21	24	27
		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)	32/31/30/29/28/27	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)	45/44/43/42/41/40	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			MIH45GN18	MIH56GN18	MIH71GN18	MIH80GN18
Power supply			1-phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	4.5	5.6	7.1	8
		kBtu/h	15.4	19.1	24.2	27.3
Heating ²	Capacity	kW	5	6.3	8	9
		kBtu/h	17.1	21.5	27.3	30.7
Cooling ¹	Power input	W	30	40	50	65
		W	30	40	50	65
Heating ²	Power input	W	30	40	50	65
		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			MIH22F3N18	MIH28F3N18	MIH36F3N18	MIH45F3N18	MIH56F3N18	MIH71F3N18	MIH80F3N18	
Power supply			1-phase, 220-240V, 50Hz							
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	
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	
Cooling ¹	Power input	W	35	35	40	44	45	53	62	
		W	35	35	41	46	47	57	64	
Heating ²	Power input	W	35	35	41	46	47	57	64	
		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	51/51/50/49/48/47/46	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			MIH22F4N18	MIH28F4N18	MIH36F4N18	MIH45F4N18	MIH56F4N18	MIH71F4N18	MIH80F4N18	
Model name			MIH22F5N18	MIH28F5N18	MIH36F5N18	MIH45F5N18	MIH56F5N18	MIH71F5N18	MIH80F5N18	
Power supply			1-phase, 220-240V, 50Hz							
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	
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	
Cooling ¹	Power input	W	35	35	40	44	45	53	62	
		W	35	35	41	46	47	57	64	
Heating ²	Power input	W	35	35	41	46	47	57	64	
		W	35	35	41	46	47	57	64	
External static pressure ⁴	Pa(F4) Pa(F5)	0-10 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 ⁴	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			1240×495×200		1360×591×200		
	Packed dimensions (W×H×D)	mm(F4)	1125×595×285			1345×595×285		1465×695×285		
		mm(F5)	1125×595×285			1345×595×285		1465×695×285		
Net/Gross weight	kg(F4)	21.1/27.9	21.9/28.6	26.3/32.9	32.1/41.0	33.3/41.1	33.3/41.1	33.3/41.1	33.3/41.1	
	kg(F5)	21.1/26.8	21.9/27.6	26.3/32.4	32.1/39.4	33.3/41.1	33.3/41.1	33.3/41.1	33.3/41.1	
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			MIH36DLN18	MIH45DLN18	MIH56DLNN18	MIH71DLN18	MIH80DLN18
Power supply			1-phase, 220-240V, 50Hz				
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				

Model name			MIH90DLN18	MIH100DLN18	MIH112DLN18	MIH125DLN18	MIH140DLN18
Power supply			1-phase, 220-240V, 50Hz				
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.

Specifications

HRV

Sale Model		HRV-D200(C)	HRV-D300(C)	HRV-D400(C)	HRV-D500(C)	
Power supply		1-phase, 220-240V-50Hz				
Input power (H/M/L)(standard G4)		W	70/45/25	100/55/35	110/70/40	150/95/50
Input power (H/M/L)(F7+M5)		W	80/40/25	100/55/35	110/70/40	150/95/50
Nominal Temperature Efficiency (standard G4) (H/M/L)		%	79.5/81.1/83.5	75.5/78.8/82.5	77.7/79.0/81.3	80.6/82.2/85.5
Nominal Enthalpy Efficiency (standard G4) (H/M/L)		%	75.0/77.5/79.6	72.1/75.0/79.3	73.5/75.3/78.0	74.0/76.6/80.5
Nominal Temperature Efficiency (F7+M5) (H/M/L)		%	81.8/85.4/87.5	80.4/81.8/83.5	79.2/81.1/83.3	77.2/79.4/82.5
Nominal Enthalpy Efficiency (F7+M5) (H/M/L)		%	81.2/83.1/85.0	79.4/81.2/84.0	79.6/81.8/84.2	72.3/75.6/78.6
Current		A	0.64	0.84	0.97	1.2
Indoor external static pressure (H speed+ standard G4)		Pa	100	90	100	90
Fresh air external static pressure (H speed +F7+M5)		Pa	75	70	70	65
Discharge air external static pressure (H speed +F7+M5)		Pa	100	110	110	110
Nominal air flow		m ³ /h	200	300	400	500
Sound Pressure (H/M/L)		dB(A)	33/29.5/25.5	36.5/33.5/30	36.5/32/28	36/30.5/24.5
Sound Power		dB	45	48	48	50
Net dimension ¹ (LxWxH)		mm	1195x784x272	1195x898x272	1276x1189x272	1311x1090x390
Packing size (LxWxH)		mm	1275x880x420	1275x994x420	1360x1284x420	1390x1244x540
Net/Gross weight		kg	51/68	57/74	72/92	62/85
Power supply wire	Wire qty.		3	3	3	3
	Code wire cross- section	mm ²	2.5	2.5	2.5	2.5
Controller		Wired controller, Centralized controller, BMS gateway				
Fresh air	Fresh Air Diameter	mm	Φ144	Φ144	Φ198	Φ244
	Air drop	Pa	52	179	218	357

Sale Model		HRV-D800(C)	HRV-D1000(C)	HRV-D1500(C)	HRV-D2000(C)	
Power supply		1-phase, 220-240V-50Hz				
Input power (H/M/L)(standard G4)		W	320/170/80	380/210/100	680/320/200	950/500/230
Input power (H/M/L)(F7+M5)		W	320/170/80	420/230/100	680/320/200	950/500/230
Nominal Temperature Efficiency (standard G4) (H/M/L)		%	78.7/82.1/86.8	82.8/84.0/87.4	75.5/78.6/80.2	77.2/79.5/83.4
Nominal Enthalpy Efficiency (standard G4) (H/M/L)		%	72.3/75.4/79.0	76.0/76.0/80.1	69.4/71.2/74.8	74.7/77.0/80.6
Nominal Temperature Efficiency (F7+M5) (H/M/L)		%	74.9/77.1/80.8	75.4/78.0/81.4	83.8/84.6/86.2	78.8/80.5/83.4
Nominal Enthalpy Efficiency (F7+M5) (H/M/L)		%	71.1/74.4/78.0	67.3/71.1/75.0	74.6/76.2/78.8	71.1/75.0/79.6
Current		A	2.4	2.9	3.8	5.7
Indoor external static pressure (H speed+ standard G4)		Pa	140	160	180	200
Fresh air external static pressure (H speed +F7+M5)		Pa	100	110	150	160
Discharge air external static pressure (H speed +F7+M5)		Pa	155	145	180	180
Nominal air flow		m ³ /h	800	1000	1500	2000
Sound Pressure (H/M/L)		dB(A)	42/39/34	44/39/33.5	51.5/46.5/41.5	53/48.5/42.5
Sound Power		dB	55	54	69	70
Net dimension ¹ (LxWxH)		mm	1311x1270x390	1311x1510x390	1740x1344x615	1811x1545x685
Packing size (LxWxH)		mm	1390x1424x540	1390x1670x540	1830x1520x770	1900x1720x845
Net/Gross weight		kg	77/101	85/112	168/200	195/235
Power supply wire	Wire qty.		3	3	3	3
	Code wire cross- section	mm ²	2.5	2.5	2.5	2.5
Controller		Wired controller, Centralized controller, BMS gateway				
Fresh air	Fresh Air Diameter	mm	Φ244	Φ244	346x326	346x326
	Air drop	Pa	357	384	253	322

Note:

- 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.