



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
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V8 Indoor Unit

Midea MBT

Midea MBT(Midea Building Technologies) is a key division of the Midea Group, a leading provider of comprehensive solutions of intelligent building, involving energy sources, elevators, control systems, and heating, ventilation & air conditioning. Midea MBT has continued with the tradition of innovation upon which it was founded and 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 a competitive edge. Through these independent projects and joint-cooperation with other global enterprises, Midea has supplied thousands of innovative solutions to customers worldwide.



Several production bases are situated on Shunde, Chongqing, Hefei, and Italy.

MBT Shunde: 38 product lines focusing on VRF, Split Products, Heat Pump Water Heaters and AHU/FCU.

MBT Chongqing: 14 product lines focusing on Water Cooled Centrifugal/Screw/Scroll Chillers, Air Cooled Screw/Scroll Chillers and AHU/FCU.

MBT Hefei: 11 product lines focusing on VRF, Chillers and Heat Pump Water Heaters.

Clivet S.p.A: 50,000m2 workshop in Feltre and Verona, covering products such as ELFO system, hydronic, WHLP, packaged, split and close control and so on.

Benefits of Midea VRF

Benefits for End-users



Healthy Operation

- An outside air intake port in the indoor unit allows outdoor fresh air to be introduced into indoor rooms
- Puro-Air kit, powered by OSRAM's UVC lamps, can effectively kill bacteria, viruses and odors of indoor air to provide a healthy and safe indoor environment
- PCO-kit use magnetic particles coated with TiO2nanoparticles to oxidize organic pollutants to produce harmless substances such as carbon dioxide and water



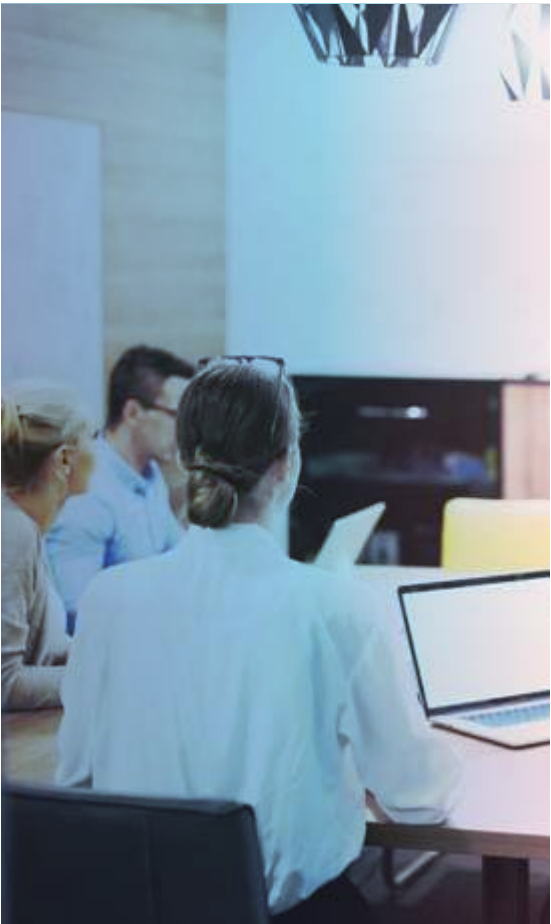
Cost Saving Operation

- Cost saving can be up to 31% through Midea META technology
- High efficiency operations thanks to the full DC inverter technology



Comfortable Environment

- 0.5° C or 1° C steps temperature setting and 7 fan speeds, providing comfortable environment
- Zen air technology ensuring comfortable in any condition
- Noise level is as low as 22dB(A), creating a quiet environment



Benefits for Building Owners



Energy Saving Management

- Centralized and unified management of all equipment, saving energy and manpower
- Remote access to CCM-15 allows anytime, anywhere control (via mobile app "M-Control")



Reliable Operation

- The key components are made of internationally renowned brands, like Hitachi, Danfoss, FUJIKOKI, Infineon, Mitsubishi etc., enhancing better performance and guaranteeing reliable operation
- Electric control parts are produced by well-known Midea-SIIX Electronics Corporation, enhancing reliability
- Doctor M technology real-time monitoring system operation, timely self-diagnosis, ensuring stable and reliable operation



Backup Solution

- Quadruple back-up function allowing time for maintenance or repair whilst maintaining comfort
- Maintenance mode can be activated on site during maintenance period as the remaining indoor units continue to operate



Benefits for Consultants



Diversified Solutions

- A wide product portfolio including air cooled heat pump VRF, Air cooled heat recovery VRF, air cooled cooling only VRF and water cooled VRF
- 12 types and more 100 models of VRF indoor units to meet varied customer requirements in a wide range of locations
- Heat Recovery Ventilation and Air Handling Unit adding more options



Professional Tool and Support

- MSSP (Midea Selection Software Platform) enables an easy and quick selection and provides comprehensive system design reports and calculations
- CFD analysis helps optimize solutions and anticipate potential problems in advance
- Energy consumption analysis helps to provide optimal design solutions



Design Flexibility

- Up to 80°C hot water supply in heat recovery system
- Standard and tropical area applications
- Supporting cooling operation even at -15°C



Benefits for Construction Companies



Green Solutions

- Help earn points when applying for a LEED certificate
- Renewable energy solution provided through water cooled application



Space Saving Design

- Top class compact design, 16kW capacity with only 0.42m² footprint which also can be hang on the wall
- Large capacity for single unit design can save space in big system



Intelligent Management

- Full compatibility with the leading BMS protocols: BACnet, LonWorks,Modbus and KNX



Application Solutions

Office Complexes

Enjoy comfort while working

High-rise office building



Small and medium-sized office buildings



Be it small or large sized, Midea VRF provides solution for all office buildings and its smart control solutions makes the management of VRF simple and easy whereas the wide variety of indoor units are suitable for all designs.

Hotels & Shopping Malls

Increase your business, not your bills

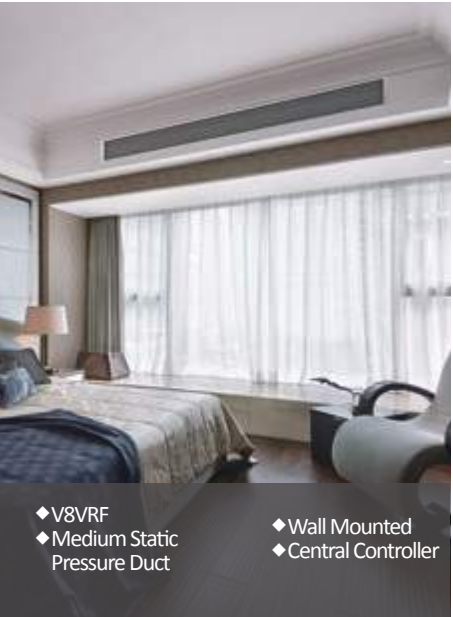
Shopping Malls



Retails



Hotel



The high efficiency and reliability of Midea VRF makes it suitable to be used for all commercial applications. The intelligent control solutions like hotel key cards and touch screen controller makes the management easy

Residential Apartments

One for Every home

Apartments



Villas



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

Other Applications

Meeting all expectations

Hospitals



Schools



Airports



The innovative design and a variety of indoor unit choices makes Midea VRF suitable for all kinds of applications. The newly designed puro-air kit is a must have product for modern hospitals.

Engineering Capability

Midea Tool and Support

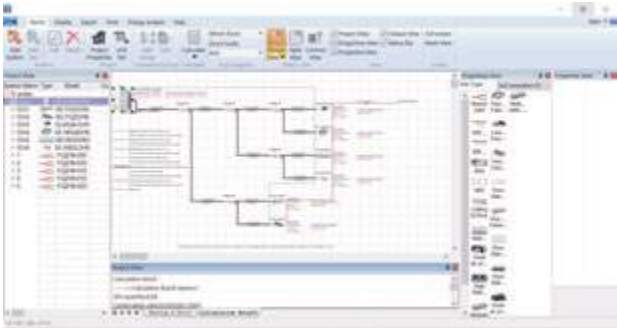
Midea dedicated to provide the best HVAC engineering support and solutions focused on effectively designed, built, supervised, and maintained throughout the lifecycle, providing our customers a faster, easier, and a more accurate way in everyday duties.



MSSP-Drag/Drop Design

MSSP-Drag/Drop design enables an easy and quick selection and provides comprehensive system design reports and calculations.

Note: MSSP (Midea Selection Software Platform)



MSSP-CAD Design

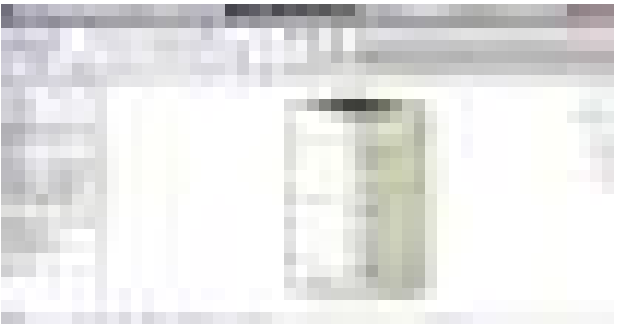
MSSP-CAD design enables an visual and fast selection and provides comprehensive system design reports and calculations.

Note: MSSP (Midea Selection Software Platform)



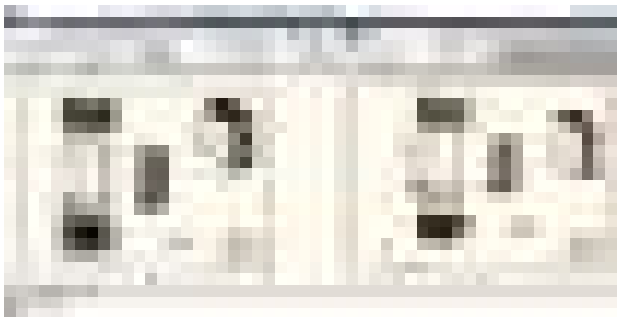
Revit Family

Midea revit is developed to make 3D design of Midea products easier than the previous program. It enables engineers to check 3D images from design stage and prevents possible issues of the installation stage.



CAD Drawing

CAD enables faster and a more accurate design of Midea products.

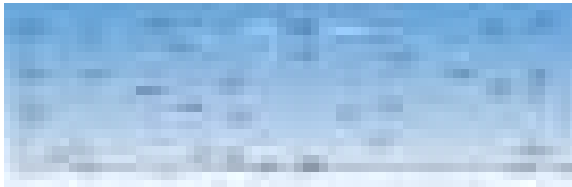
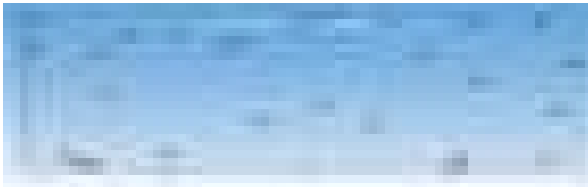


Simulation

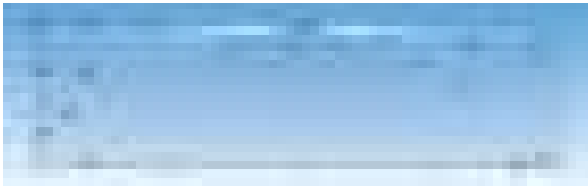
CFD (Computational Fluid Dynamics)

CFD Analysis is applied in areas of estimating: indoor airflow and temperature distribution. By running a simulation before construction, engineers estimate possible issues and find optimal solutions of malfunction that could occur after construction.

Temperature distribution



Airflow distribution



Technical Support Platform (TSP)

TSP is a platform for customers to provide professional technical support. Through TSP, you can inquire product information, documentation, spare parts and trouble-shooting, initiate technical questions and quality complaint process, and also support self-service spare parts order.

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



My order

Inquire spare parts from exploded view and place spare parts order directly in TSP.

Document inquiry and download

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

Technical inquiry & FAQ

Initiate technical questions online, and our technicians answer them online in time. Find a quick solution in the FAQ.

Troubleshooting

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

Complain

Initiate the product quality complaint process online, and our after-sales engineers handle related complaints in time.

Mobile Intelligence Service App (MISA)

MISA is the mobile terminal of TSP, with the same functions as TSP. The mobile service makes technical support more timely and convenient.

<https://link.midea.com>



Technical Enquiry



Trouble shooting

Download



Scan above to download the mobile app



FAQ



Complain



Search product manuals



Spare Parts list

Feedback



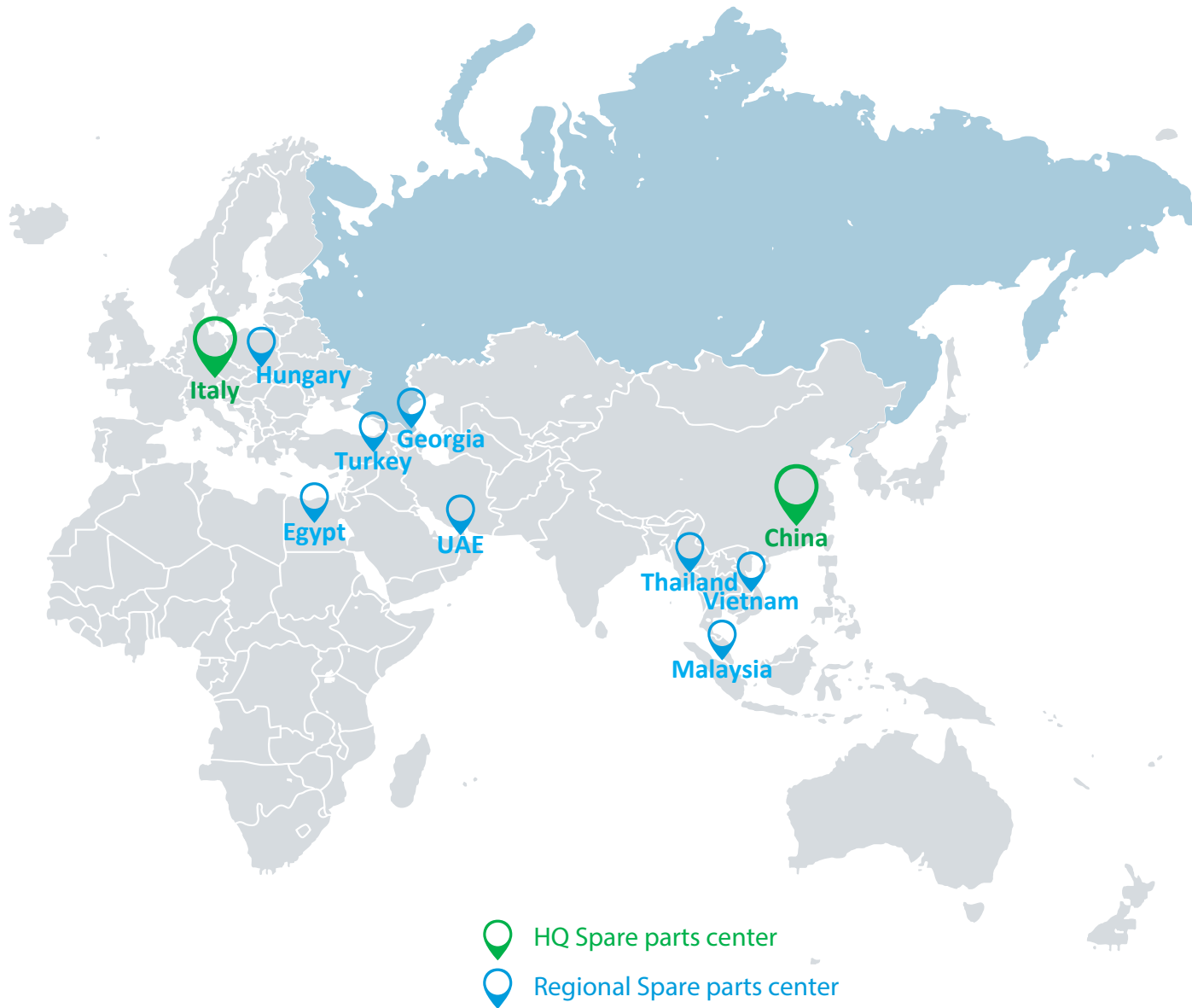
Thank you very much for your attention and advice

Midea Global Spare Parts Center

The global spare parts center provides high quality and fast spare parts supply. Midea online system (<https://tsp.midea.com>) can query and purchase spare parts with one click, further shortening the supply time of spare parts.



The “2 (HQ Spare parts center) +10 (Regional Spare parts center) +N “(Country Spare parts inventory)” Spare Parts Layout can ensure the timely supply of global after-sales spare parts.





Compact Four-way Cassette
Four-way Cassette
Arc Duct
Medium Static Pressure Duct
Wall Mounted

 **Indoor Units**

Inoor Unit Lineup

Indoor units

Compact Four-way
Cassette



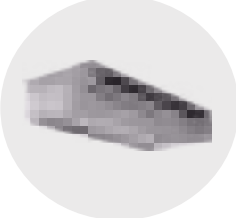
- 575mm compact body size
- 360° airflow
- Individual louver control
- 3.5m high ceiling installation
- Built-in 1200mm high-lift drain pump
- Optional medium efficiency filter
- Optional plasma sterilization module

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
- Optional plasma sterilization module

Arc Duct



- 199mm ultra-thin height (all models)
- 450mm ultra-narrow depth (all models)
- Static pressure adaption, constant air volume supply
- Built-in 1200mm high-lift drain pump
- Optional medium efficiency filter
- Optional plasma sterilization module

Medium Static
Pressure Duct



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

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
- Optional plasma sterilization module

Inoor Unit Lineup

Indoor units

kW	1.5	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	10.0	11.2	14.0	16.0
Btu/h	5.1k	7.5k	9.6k	12.3k	15.4k	19.1k	21.5k	24.2k	27.3k	30.7k	34.1k	38.2k	47.8k	54.6k
Cassette														
Compact Four-way Cassette														
Four-way Cassette														
Duct														
Arc Duct														
Medium Static Pressure Duct														
Wall Mounted														
DC														

Note: Four-way Cassette 16kW models will be available by the end of November 2022.

Indoor Unit Functions

Functions ●: equipped as standard; ○: customization option; ×: without this function			Compact Four-way Cassette	Four-way Cassette	Arc Duct	MSP Duct	Wall Mounted
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 indoorl 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	●	●	●	●	●
	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	G1 ● F6 ○	G1 ●	G1 ● F6 ○	G1 ● F7 ○ H12 ○	pre-filter ●
	Fresh air intake	A reserved outside air intake port allows outdoor air to be introduced directly into the unit	●	●	●	●	●
	Visualization of dirty blockage rate	Dirty blockage rate can be accurately identified and displayed on the controller	×	×	●	●	×
	Silver Ions drain pan	Slow-released nano-silver ions can keep the drain pan free of mold for a long time.	○	○	○	○	×
	Heat exchanger self- cleaning*	Wash the dirt on the heat exchanger through freezing frost, and then high temperature sterilization.	●	●	●	●	●
	Humidity control	Additional humidity sensor can achieve humidity control in 35-75%	○	○	○	○	○
	Puro-air kit	Powered by OSRAM's UVC lamps, can effectively kill bacteria, viruses and odors of indoor air	×	×	×	○	×
	Sterilization device	Sterilization module can effectively kill bacteria, viruses and odors of indoor air	○	○	○	○	○
AIR FLOW	Vertical swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution	5 steps + auto	5 steps + auto	×	×	5 steps + auto
	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
	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 V6 indoor unites in the system.

Functions ●: equipped as standard; ○: customization option; ×: without this function			Compact Four-way Cassette	Four-way Cassette	Arc Duct	MSP Duct	Wall Mounted
ENERGY SAVING	META mode	Triple variable control maximizes energy saving operation	●	●	●	●	●
	ECO mode	The setting temperature rises automatically by 1°C per hour, up to 3°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.	○	○	×	×	○
EASY Installation & Service	Program upgrade*	Midea V8 can upgrade all indoor units at the same time on the outdoor unit, more easy program upgrade.	●	●	●	●	●
	Long distance air delivery	Provides adequate airflow and capacity under high ceiling conditions	3.5m	3m	×	×	×
	High-lift drain pump	Facilitates condensation draining from the indoor unit	●	●	●	●	○
	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 2000m 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	●	●	●	●	●
EXTENDED FUNCTIONS	Humidifier connection	Additional expansion board can achieve third-party humidifier connection	○	○	○	○	○
	Dehumidifier connection	Additional expansion board can achieve third-party dehumidifier connection	○	○	○	○	○
	Electric heater connection	Additional expansion board can achieve third-party electric heater connection	○	○	○	○	○
	Refrigerant leak sensor connection	Additional expansion board can achieve refrigerant leak sensor connection	○	○	○	○	○
	CO2 sensor connection	Additional expansion board can achieve CO2 sensor connection	○	○	○	○	○
	PM2.5 sensor connection	Additional expansion board can achieve PM2.5 sensor connection	○	○	○	○	○
	Third-party controller connection	Third party controller can realize mode, fan speed and temperature control	○	○	○	○	○
	Long-distance on/off function	Long-distance startup or shutoff the system	○	○	○	○	○
	Long-distance alarm function	Long-distance alarm when an error occurs	○	○	○	○	○
	Multiple protections	Multiple protections make the unit run more reliably	●	●	●	●	●

*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.



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*

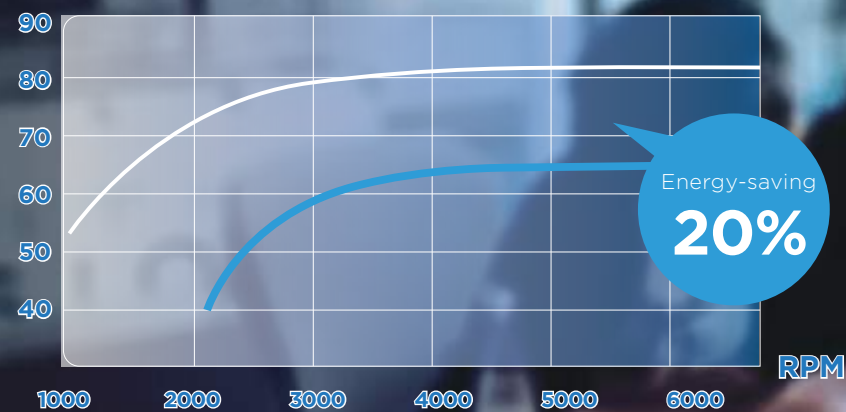
* Heat exchanger self-cleaning function can be available only when V8 Mini is connected.



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.

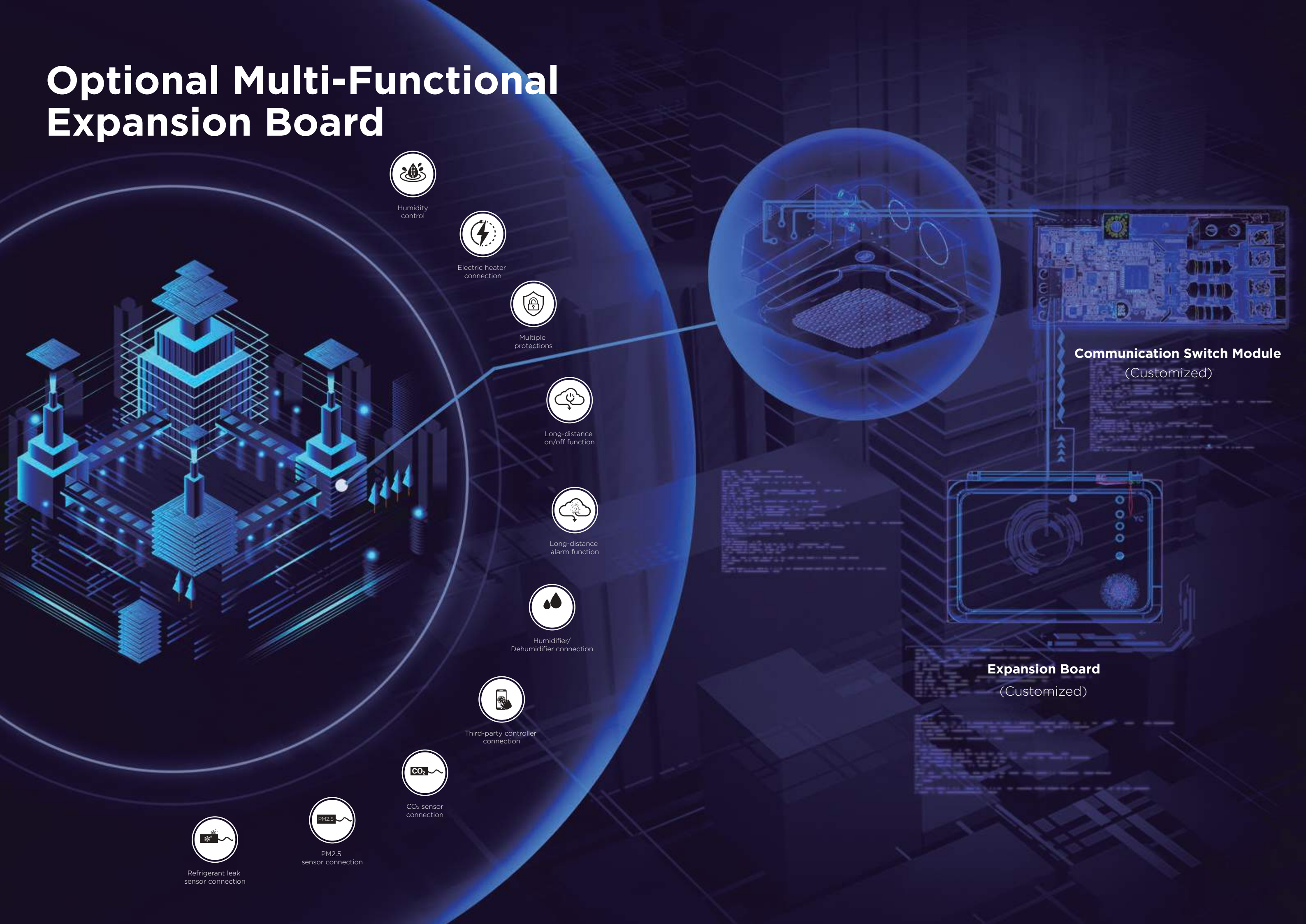
Efficiency %



Energy-saving
20%

RPM

Optional Multi-Functional Expansion Board



Humidity control



Electric heater connection



Multiple protections



Long-distance on/off function



Long-distance alarm function



Humidifier/
Dehumidifier connection



Third-party controller connection



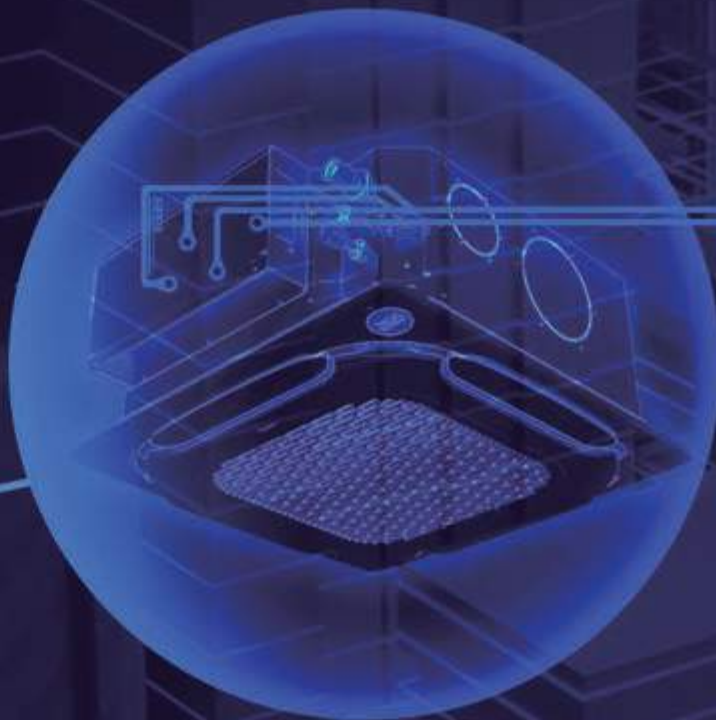
CO₂ sensor connection



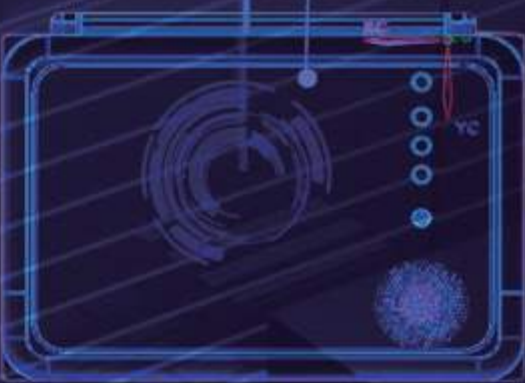
PM2.5 sensor connection



Refrigerant leak sensor connection



Communication Switch Module
(Customized)



Expansion Board
(Customized)



Compact design



360° airflow



High ceiling installation



Individual louver control



Healthy air supply



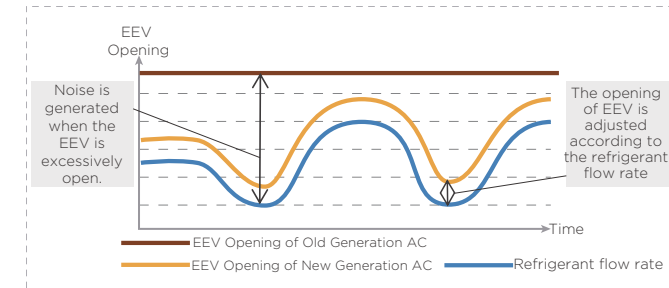
Compact Four-way Cassette



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.



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.



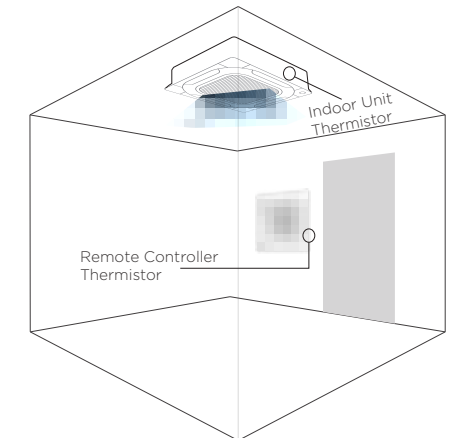
The indoor unit automatically runs when detecting human body

The indoor unit automatically stops when detecting absence

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

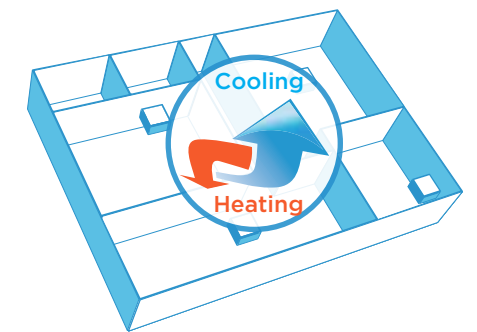
Two thermistors control

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



Auto Cooling-heating Changeover

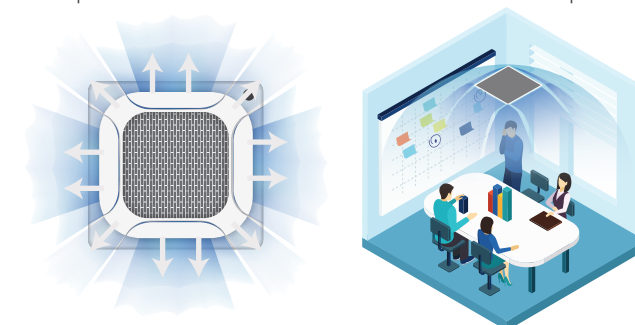
Automatically selects cooling or heating mode to achieve the set temperature.



AIR FLOW

360° Airflow

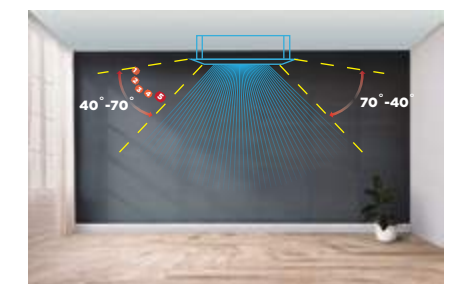
New design, round airflow path ensures uniform airflow and temperature distribution.



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



In the narrow room

Specifications

Compact Four-way Cassette

Model			MIH15Q4CHN18	MIH22Q4CHN18	MIH28Q4CHN18	MIH36Q4CHN18
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling¹	Capacity	kW	1.5	2.2	2.8	3.6
		kBtu/h	5.1	7.5	9.6	12.3
	Power input	W	14	14	16	18
Heating²	Capacity	kW	1.8	2.4	3.2	4.0
		kBtu/h	6.1	8.2	10.9	13.7
	Power input	W	14	14	16	18
Air flow rate³		m³/h	450/425/400/370/345/320/295		510/480/455/425/395/370/340	530/500/470/440/405/375/345
Sound pressure level⁴		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)	40/39/39/39/38/38/38		42/41/40/39/39/38/38	42/40/39/38/38/38/38
Main body	Net dimensions⁵ (W×H×D)	mm	575×235×638			
	Packed dimensions (W×H×D)	mm	690×285×690			
	Net/Gross weight	kg	13.0/15.0			14.0/16.0
Panel	Net dimensions (W×H×D)	mm	620×65×620			
	Packed dimensions (W×H×D)	mm	680×80×665			
	Net/Gross weight	kg	2.4/3.2			
Refrigerant type			R410A/R32			
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7			
	Drain pipe	mm	OD Ø25			

Model			MIH45Q4CHN18	MIH56Q4CHN18	MIH63Q4CHN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	4.5	5.6	6.3
		kBtu/h	15.4	19.1	21.5
	Power input	W	25	35	50
Heating ²	Capacity	kW	5.0	6.3	7.1
		kBtu/h	17.1	21.5	24.2
	Power input	W	25	35	50
Air flow rate ³		m ³ /h	640/605/570/530/495/460/425	810/765/720/670/625/580/535	905/855/805/755/705/655/605
Sound pressure level ⁴		dB(A)	36.5/35/33/31/29/28/26.5	39/38/37/36/35/34/32	43/42/40/38/36/35/33.5
Sound power level		dB(A)	44/44/43/42/41/41/41	48/46/45/43/42/42/41	51/50/48/46/45/44/42
Main body	Net dimensions ⁵ (W×H×D)	mm	575×235×638		
	Packed dimensions (W×H×D)	mm	690×285×690		
	Net/Gross weight	kg	14.0/16.0	15.0/17.0	
Panel	Net dimensions (W×H×D)	mm	620×65×620		
	Packed dimensions (W×H×D)	mm	680×80×665		
	Net/Gross weight	kg	2.4/3.2		
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7		Ø9.52/Ø15.9
	Drain pipe	mm	OD Ø25		

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.

2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.

3. Air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.

4. 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.

5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.



360°
airflow



Individual
louver control



Healthy
air supply



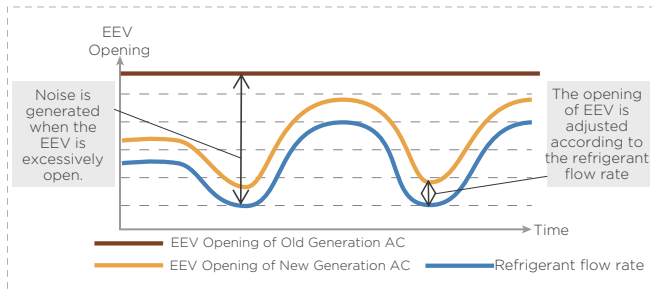
Four-way Cassette



COMFORT

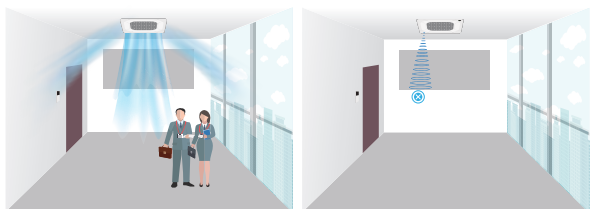
EEV automatic adjustment

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



Human Detect Sensor*

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.



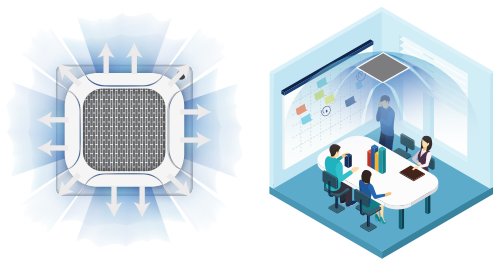
The indoor unit automatically runs when detecting human body. The indoor unit automatically stops when detecting absence.

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

AIR FLOW

360° Airflow

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



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

7 Fan Speeds

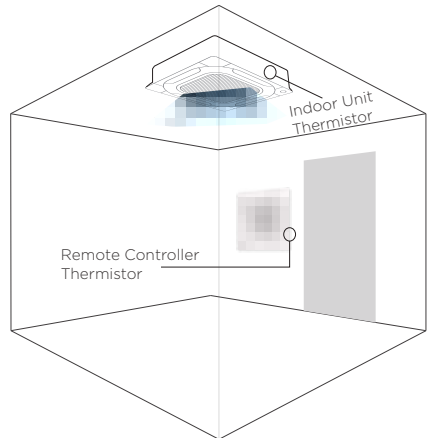
7 indoor fan speed options to meet the needs of different indoor conditions.

7 fan speeds



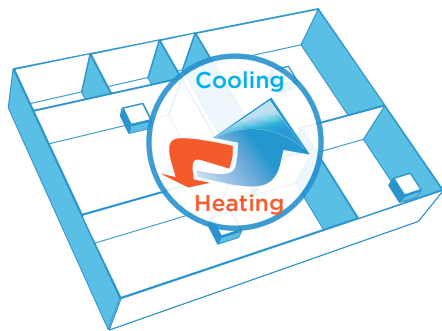
Two thermistors control

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



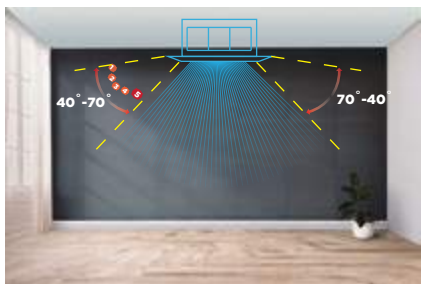
Auto Cooling-heating Changeover

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



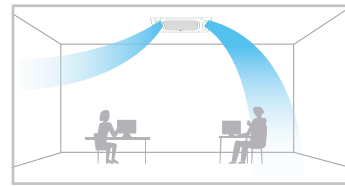
Multiple Steps Vertical Swing

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



Individual Louver Control

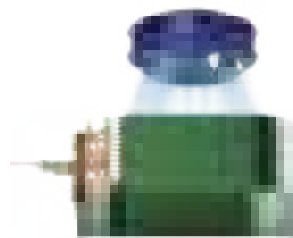
The Individual louver control can control the motors separately, making it possible to control all four louvers independently.



HEALTH

Mildew proof of heat exchanger

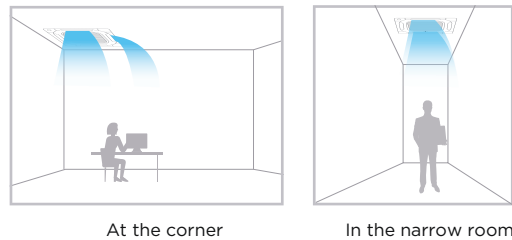
When the indoor unit is turned off in cooling mode, the fan is still on, and dry the heat exchanger to avoid mold on the heat exchanger.



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

Soft Wind Mode

Supplies air against the ceiling to create windless environment.



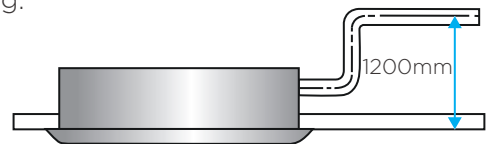
Silver Ions drain pan (optional)

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



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.



Specifications

Four-way cassette

Model			MIH28Q4HN18	MIH36Q4HN18
Power supply			1-phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	2.8	3.6
		kBtu/h	9.6	12.3
	Power input	W	17.0	17.0
Heating ²	Capacity	kW	3.2	4.0
		kBtu/h	10.9	13.7
	Power input	W	17.0	17.0
Air flow rate ³		m³/h	790/740/691/641/591/542/492	790/740/691/641/591/542/492
Sound pressure level ⁴		dB(A)	30/29/28/27.5/27/26/25	30/29/28/27.5/27/26/25
Main body	Net dimensions ⁵ (W×H×D)	mm	840×204×840	840×204×840
	Packed dimensions (W×H×D)	mm	940×250×940	940×250×940
	Net/Gross weight	kg	18/20.5	18/20.5
Panel	Net dimensions (W×H×D)	mm	950×50×950	950×50×950
	Packed dimensions (W×H×D)	mm	1020×90×1020	1020×90×1020
	Net/Gross weight	kg	5.8/7.6	5.8/7.6
Refrigerant type			R410A/R32	
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7
	Drain pipe	mm	OD Ø25	

Model			MIH45Q4HN18	MIH56Q4HN18	MIH71Q4HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	4.5	5.6	7.1
		kBtu/h	15.4	19.1	24.2
	Power input	W	36.0	23.0	32.0
Heating ²	Capacity	kW	5.0	6.3	8.0
		kBtu/h	17.1	21.5	27.3
	Power input	W	36.0	23.0	32.0
Air flow rate ³		m³/h	910/840/770/701/631/561/491	840/791/741/692/642/593/543	1000/943/886/829/772/715/658
Sound pressure level ⁴		dB(A)	37/35/34/32/30/29/27	33/32/31/30/29/28/27	37/36/34/33/31/30/28
Main body	Net dimensions ⁵ (W×H×D)	mm	840×204×840	840×204×840	840×204×840
	Packed dimensions (W×H×D)	mm	940×250×940	940×250×940	940×250×940
	Net/Gross weight	kg	18/20.5	19.5/22	19.5/22
Panel	Net dimensions (W×H×D)	mm	950×50×950	950×50×950	950×50×950
	Packed dimensions (W×H×D)	mm	1020×90×1020	1020×90×1020	1020×90×1020
	Net/Gross weight	kg	5.8/7.6	5.8/7.6	5.8/7.6
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7	Ø9.52/Ø15.9
	Drain pipe	mm	OD Ø25		

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 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.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

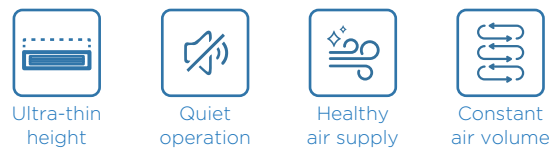
Specifications

Four-way cassette

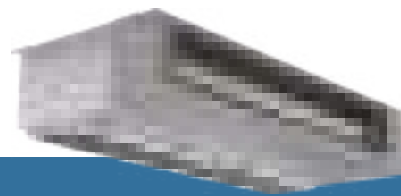
Model			MIH80Q4HN18	MIH90Q4HN18	MIH100Q4HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	8.0	9.0	10.0
		kBtu/h	27.3	30.7	34.1
	Power input	W	41.0	43.0	74.0
Heating ²	Capacity	kW	9.0	10.0	11.2
		kBtu/h	30.7	34.1	38.2
	Power input	W	41.0	43.0	74.0
Air flow rate ³		m³/h	1100/1019/939/858/777/697/616	1330/1239/1148/1057/965/874/783	1470/1360/1250/1141/1031/921/811
Sound pressure level ⁴		dB(A)	42.5/40/38/36/34/32/30	38/37/35/34/32/31/29	43/41/40/38/36/35/33
Main body	Net dimensions ⁵ (W×H×D)	mm	840×840×204	840×840×246	840×840×246
	Packed dimensions (W×H×D)	mm	940×940×250	940×940×295	940×940×295
	Net/Gross weight	kg	19.5/22	21.5/24	21.5/24
Panel	Net dimensions (W×H×D)	mm	950×950×50	950×950×50	950×950×50
	Packed dimensions (W×H×D)	mm	1020×1020×90	1020×1020×90	1020×1020×90
	Net/Gross weight	kg	5.8/7.6	5.8/7.6	5.8/7.6
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9	Ø9.52/Ø15.9	Ø9.52/Ø15.9
	Drain pipe	mm	OD Ø25		

Model			MIH112Q4HN18	MIH140Q4HN18
Power supply			1-phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	11.2	14.0
		kBtu/h	38.2	47.8
	Power input	W	61.0	118.0
Heating ²	Capacity	kW	12.5	16.0
		kBtu/h	42.7	54.6
	Power input	W	61.0	118.0
Air flow rate ³		m³/h	1600/1497/1393/1290/1186/1083/979	1900/1787/1673/1560/1446/1333/1219
Sound pressure level ⁴		dB(A)	41/40/38/37/36/34/33	47.5/46/44/42/40/38/36.5
Main body	Net dimensions ⁵ (W×H×D)	mm	840×840×288	840×840×288
	Packed dimensions (W×H×D)	mm	940×940×335	940×940×335
	Net/Gross weight	kg	24/26.5	24/26.5
Panel	Net dimensions (W×H×D)	mm	950×950×50	950×950×50
	Packed dimensions (W×H×D)	mm	1020×1020×90	1020×1020×90
	Net/Gross weight	kg	5.8/7.6	5.8/7.6
Refrigerant type			R410A/R32	
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9	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 5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 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.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.



Arc Duct



COMFORT

Quiet Operation

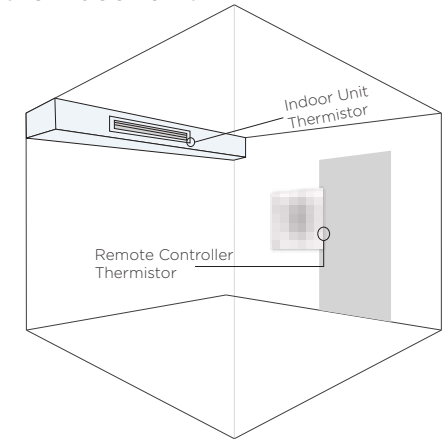
By optimizing the design of fan motor, air duct and heat exchanger, the new duct operates with noise as low as 22dB(A), creating a quieter and more comfortable environment.



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

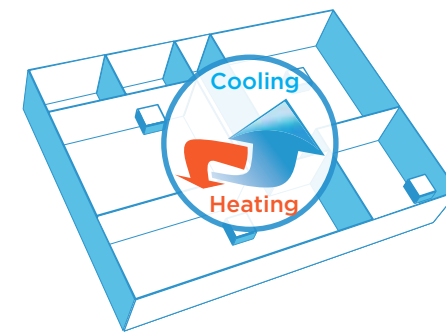
Two thermistors control

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



Auto Cooling-heating Changeover

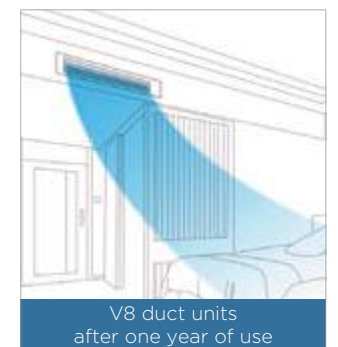
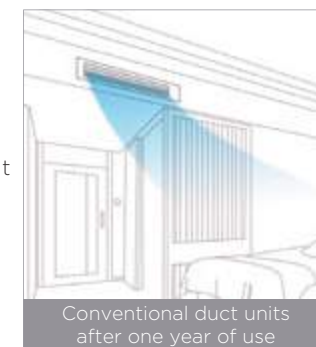
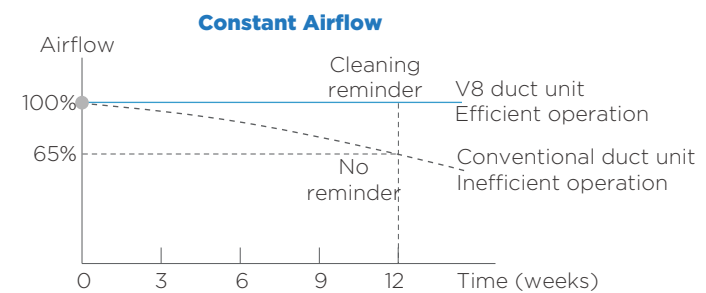
Automatically selects cooling or heating mode to achieve the set temperature.



AIR FLOW

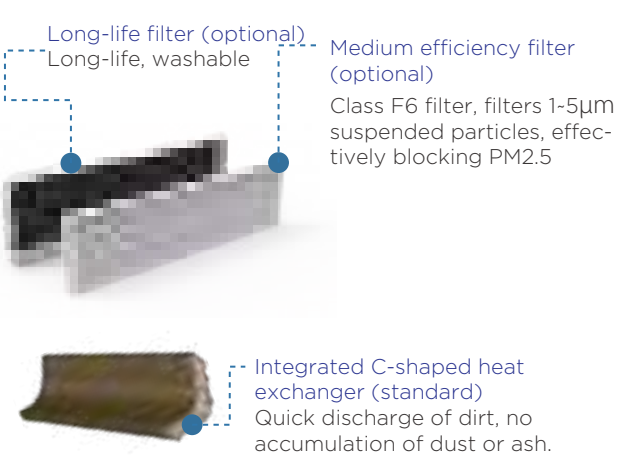
Constant Airflow

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



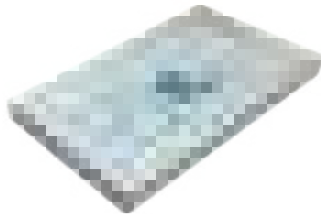
Healthy Air Supply

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 and plasma sterilization module further enhance the air quality of the air supply and create a healthy environment.



Silver Ions drain pan (optional)

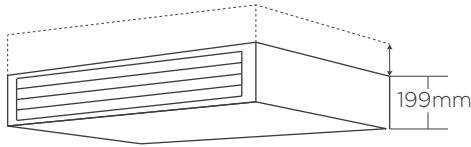
Slow-released nano-silver ions can keep the drain pan free of mold for a long time.



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.



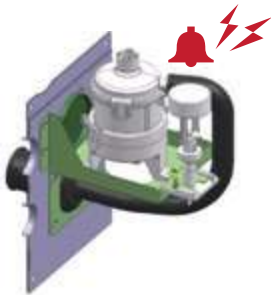
High-lift drain pump

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.



Specifications

Arc Duct

Model			MIH15T3HN18	MIH22T3HN18
Power supply			1-phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	1.5	2.2
		kBtu/h	5.1	7.5
	Power input	W	21	22
Heating ²	Capacity	kW	1.8	2.5
		kBtu/h	6.1	8.5
	Power input	W	21	22
Air flow rate ³		m ³ /h	340/335/329/320/307/298/290	370/347/339/322/314/ 306/295
External static pressure ⁴		Pa	10 (10-50)	
Sound pressure level ⁴		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 (W×H×D)	mm	653×199×470	
	Packed dimensions (W×H×D)	mm	715×275×525	
	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			MIH28T3HN18	MIH36T3HN18	MIH45T3HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	2.8	3.6	4.5
		kBtu/h	9.6	12.3	15.4
	Power input	W	28	31	43
Heating ²	Capacity	kW	3.2	4	5
		kBtu/h	10.9	13.7	17.1
	Power input	W	28	31	43
Air flow rate ³		m ³ /h	460/431/413/380/351/ 323/300	605/557/508/453/414/ 365/320	800/770/701/629/557/ 506/435
External static pressure ⁴		Pa	10 (10-50)		
Sound pressure level ⁴		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	50.5/49.5/48/47/45.5/42.5/43	52/50.5/49/47.5/46/44.5/43
Unit	Net dimensions (W×H×D)	mm	653×199×470	803×199×470	1003×199×470
	Packed dimensions (W×H×D)	mm	715×275×525	865×275×525	1065×275×525
	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:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.

2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 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 1.5m below the unit in an anechoic chamber.

6. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications

Arc Duct

Model			MIH56T3HN18	MIH71T3HN18	MIH80T3HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	5.6	7.1	8
		kBtu/h	19.1	24.2	27.3
	Power input	W	58	65	108
Heating ²	Capacity	kW	6.3	8	9
		kBtu/h	21.5	27.3	30.7
	Power input	W	58	65	108
Air flow rate ³		m³/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)	20Pa(10-80)
Sound pressure level ⁴		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 (W×H×D)	mm	1003×199×470	1203×199×470	1703×199×470
	Packed dimensions (W×H×D)	mm	1065×275×525	1265×275×525	1755×255×525
	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			MIH90T3HN18	MIH112T3HN18
Power supply			1-phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	9	11.2
		kBtu/h	30.7	38.2
	Power input	W	108	128
Heating ²	Capacity	kW	10	12.5
		kBtu/h	34.1	42.7
	Power input	W	108	128
Air flow rate ³		m³/h	1400/1327/1249/1175/1095/1026/960	1620/1522/1433/1343/1254/1170/1080
External static pressure ⁴		Pa	20Pa(10-80)	
Sound pressure level ⁴		dB(A)	36.5/35.5/34.5/33/ 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 (W×H×D)	mm	1703×199×470	1703×199×470
	Packed dimensions (W×H×D)	mm	1755×255×525	1755×255×525
	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:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.

2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 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 1.5m below the unit in an anechoic chamber.

6. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.



Compact design



Healthy air supply



Constant air volume



Flexible installation



Medium Static Pressure Duct



COMFORT

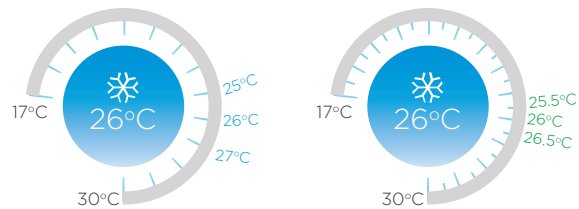
Quiet Operation

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



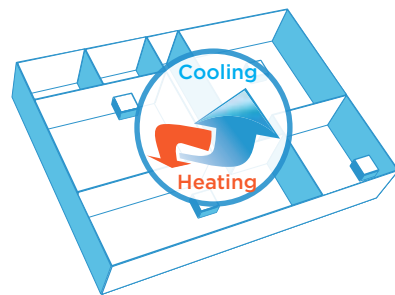
0.5°C/1°C Setting Temperature Adjustment

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



Auto Cooling-heating Changeover

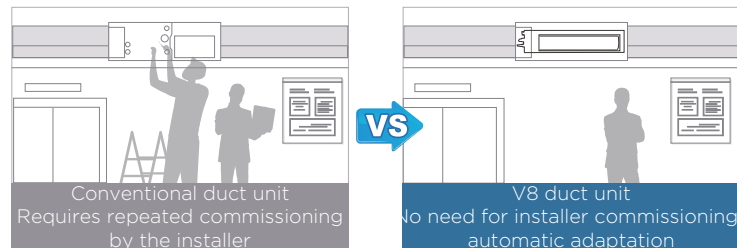
Automatically selects cooling or heating mode to achieve the set temperature.



AIR FLOW

Adaptive Duct Length and Filter Resistance

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



HEALTH

Optional High Efficiency HEPA Filter*

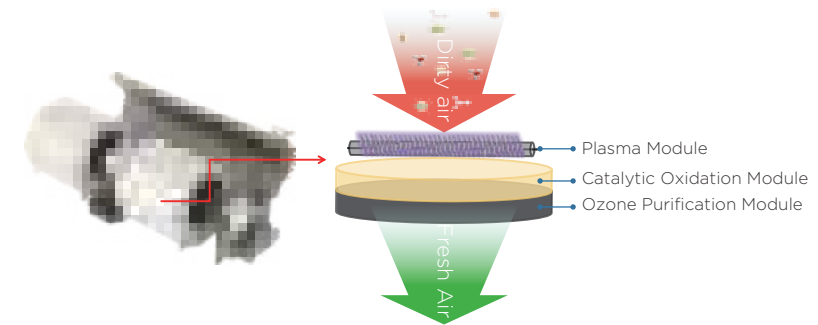
A static pressure of up to 160 Pa enables the application of medical-grade HEPA filters, and even small capacity models can be equipped with high-efficiency filters, efficiently filtering fine particles of 0.5 microns with an efficiency of over 99%.



* This function is available as a customization option.

Plasma sterilization*

The sterilization module can effectively kill bacteria, viruses and odors of indoor air.

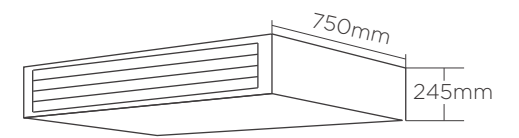
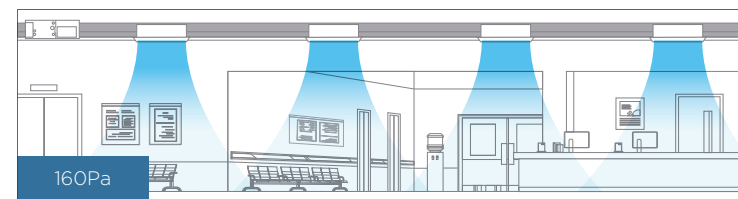


*This function is available as a customization option for Medium Static Pressure Duct

EASY INSTALLATION

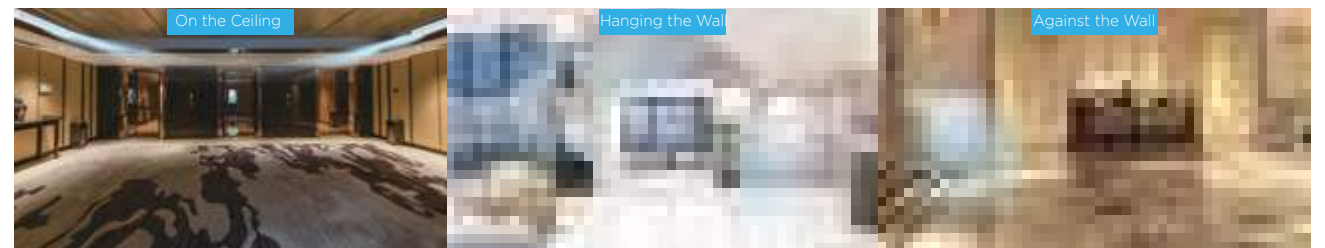
Thin Body with High ESP

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.



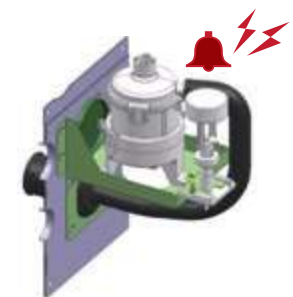
High-lift drain pump

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.



Specifications

Medium Static Pressure Duct

Model			MIH15T2HN18	MIH22T2HN18	MIH28T2HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	1.5	2.2	2.8
		kBtu/h	5.1	7.5	9.6
	Power input	W	33	36	40
Heating ²	Capacity	kW	1.8	2.5	3.2
		kBtu/h	6.1	8.5	10.9
	Power input	W	33	36	40
Air flow rate ³		m³/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 ⁴		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 (W×H×D)	mm	710×245×770		
	Packed dimensions (W×H×D)	mm	765×305×890		
	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			MIH36T2HN18	MIH45T2HN18	MIH56T2HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	3.6	4.5	5.6
		kBtu/h	12.3	15.4	19.1
	Power input	W	50	70	70
Heating ²	Capacity	kW	4	5	6.3
		kBtu/h	13.7	17.1	21.5
	Power input	W	50	70	70
Air flow rate ³		m³/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 ⁴		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 (W×H×D)	mm	710×245×770		910×245×770
	Packed dimensions (W×H×D)	mm	765×305×890		965×305×890
	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 5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 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.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications

Medium Static Pressure Duct

Model			MIH71T2HN18	MIH80T2HN18	MIH90T2HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	7.1	8	9
		kBtu/h	24.2	27.3	30.7
	Power input	W	96	102	110
Heating ²	Capacity	kW	8	9	10
		kBtu/h	27.3	30.7	34.1
	Power input	W	96	102	110
Air flow rate ³		m³/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 ⁴		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 (W×H×D)	mm	910×245×770	1160×245×770	
	Packed dimensions (W×H×D)	mm	965×305×890	1215×305×890	
	Net/Gross weight	kg	25/28.5	30/33.5	31/34.5
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9		
	Drain pipe	mm	OD Ø25		

Model			MIH112T2HN18	MIH140T2HN18	MIH160T2HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	11.2	14	16
		kBtu/h	38.2	47.8	54.6
	Power input	W	138	172	210
Heating ²	Capacity	kW	12.5	16	18
		kBtu/h	42.7	54.6	61.4
	Power input	W	138	172	210
Air flow rate ³		m³/h	1950/1817/1683/1550/1417/1283/1150	2105/1971/1837/1703/1568/1434/1300	2350/2160/2015/1871/1776/1533/1400
External static pressure ⁴		Pa	40 (10-160)	50 (10-160)	
Sound pressure level ⁴		dB(A)	39/37/35/33/31/29/28	40/38/36/34/32/30/29	42/40/38/36/34/33/31
Sound power level		dB(A)	60/58/56.5/55/53.5/52/50	64/62/61.5/59.5/57.5/55/53	65/63/61/58.5/56.5/54/52
Unit		mm	1510×245×770		
		mm	1565×305×890		
	Net/Gross weight	kg	37/41.5	39/43.5	39/43.5
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 5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 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.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.



COMFORT

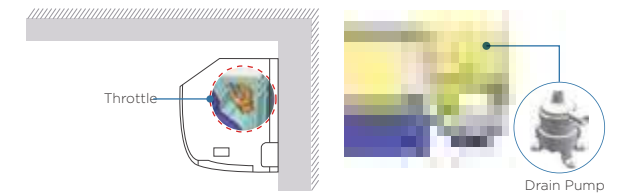
Quiet Operation

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



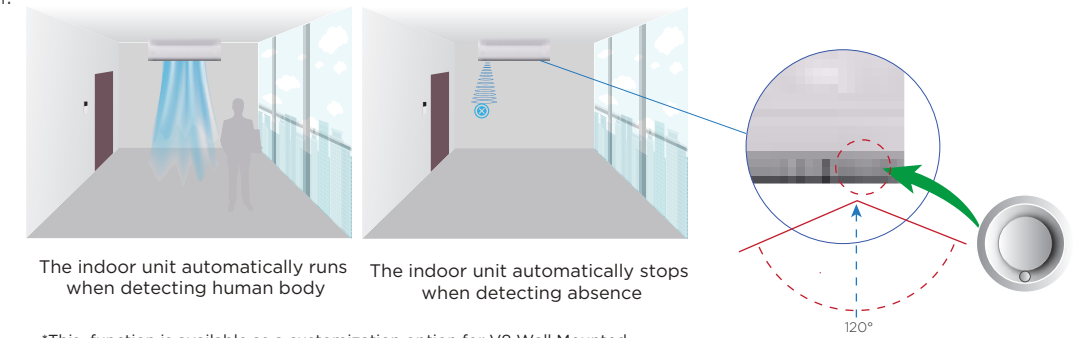
Enclosed design

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



Human Detect Sensor*

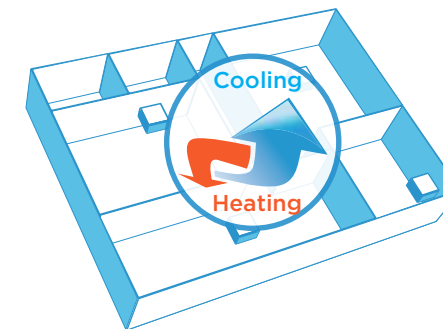
Using millimeter-wave radar sensor controller automatically turns indoor units on or off upon detecting that the room is occupied or unoccupied, ensuring climate control whilst minimizing energy consumption.



*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.

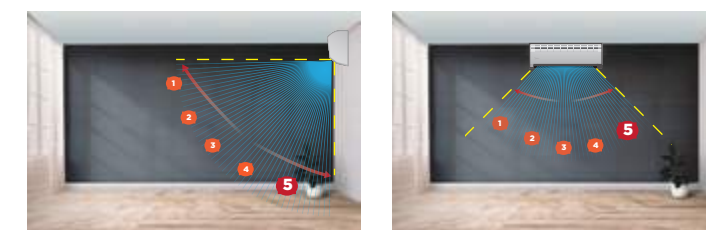


*Temperature on left is for reference.

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.



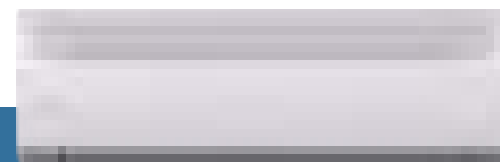
Up & Down

Right & Left

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

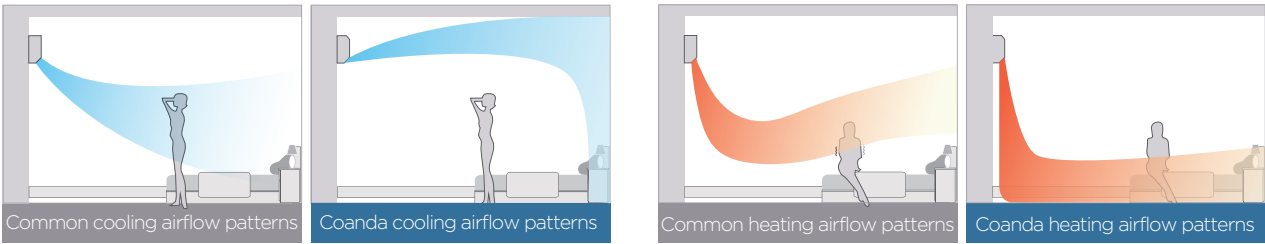
- Close to ceiling installation
- Free drainage
- Quiet operation
- Bi-directional Coanda airflow

Wall Mounted



Bi-directional Coanda Airflow

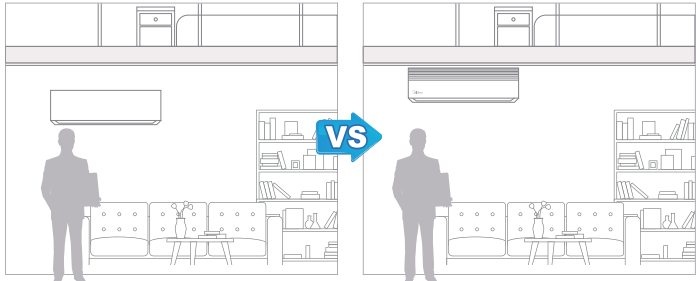
With bi-directional Coanda airflow delivery technology, the cold air does not blow directly on people and the hot air warms up evenly from the feet for better comfort.



EASY INSTALLATION

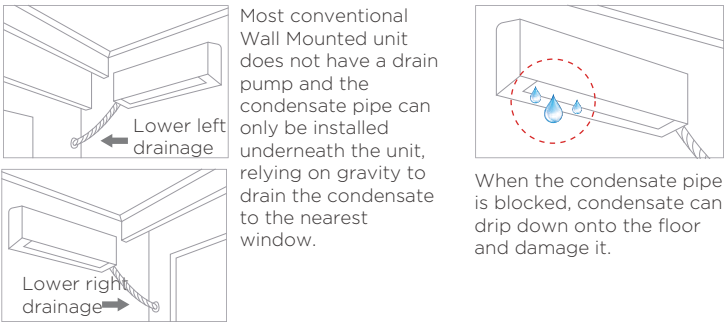
Ceiling Mounting

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



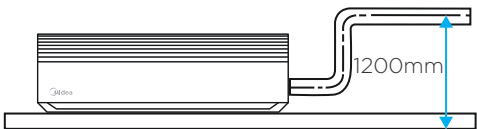
Free Drainage without Space Restrictions

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



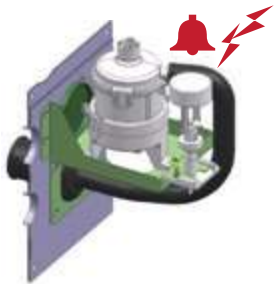
High-lift drain pump

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



Fault Feedback

Early warning of drain pump fault.



Specifications

Wall Mounted

Model			MIH15GHN18	MIH22GHN18	MIH28GHN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	1.5	2.2	2.8
		kBtu/h	5.1	7.5	9.6
	Power input	W	18	21	24
Heating ²	Capacity	kW	1.7	2.4	3.2
		kBtu/h	5.8	8.2	10.9
	Power input	W	18	21	24
Air flow rate ³			m ³ /h	460/440/420/400/380/360/340	500/470/440/410/390/370/340
Sound pressure level ⁴			dB(A)	32/31/30/30/29/28/27	33/32/31/30/29/28/27
Sound power level			dB(A)	45/44/43/43/42/41/40	46/45/44/43/42/41/40
Unit	Net dimensions (W×H×D)	mm	750×295×265	750×295×265	750×295×265
	Packed dimensions (W×H×D)	mm	875×390×360	875×390×360	875×390×360
	Net/Gross weight	kg	9/11.5	9/11.5	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
	Drain pipe	mm	OD Ø16	OD Ø16	OD Ø16

Model			MIH36GHN18	MIH45GHN18	MIH56GHN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	3.6	4.5	5.6
		kBtu/h	12.3	15.4	19.1
	Power input	W	27	30	40
Heating ²	Capacity	kW	4	5	6.3
		kBtu/h	13.6	17.1	21.5
	Power input	W	27	30	40
Air flow rate ³			m ³ /h	580/540/500/460/420/380/340	720/670/620/560/510/460/410
Sound pressure level ⁴			dB(A)	37/36/34/33/31/30/28	37/35/33/32/31/30/29
Sound power level			dB(A)	54/53/51/50/48/46/44	54/52/50/49/48/46/44
Unit	Net dimensions (W×H×D)	mm	750×295×265	950×295×265	950×295×265
	Packed dimensions (W×H×D)	mm	875×390×360	1075×390×360	1075×390×360
	Net/Gross weight	kg	10/12.5	11.5/14	11.5/14
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7	Ø6.35/Ø12.7
	Drain pipe	mm	OD Ø16	OD Ø16	OD Ø16

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 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.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.