DISCOVER
easyCOMFORT

Midea Group
Midea Building Technologies Division

C-3DCINH202503

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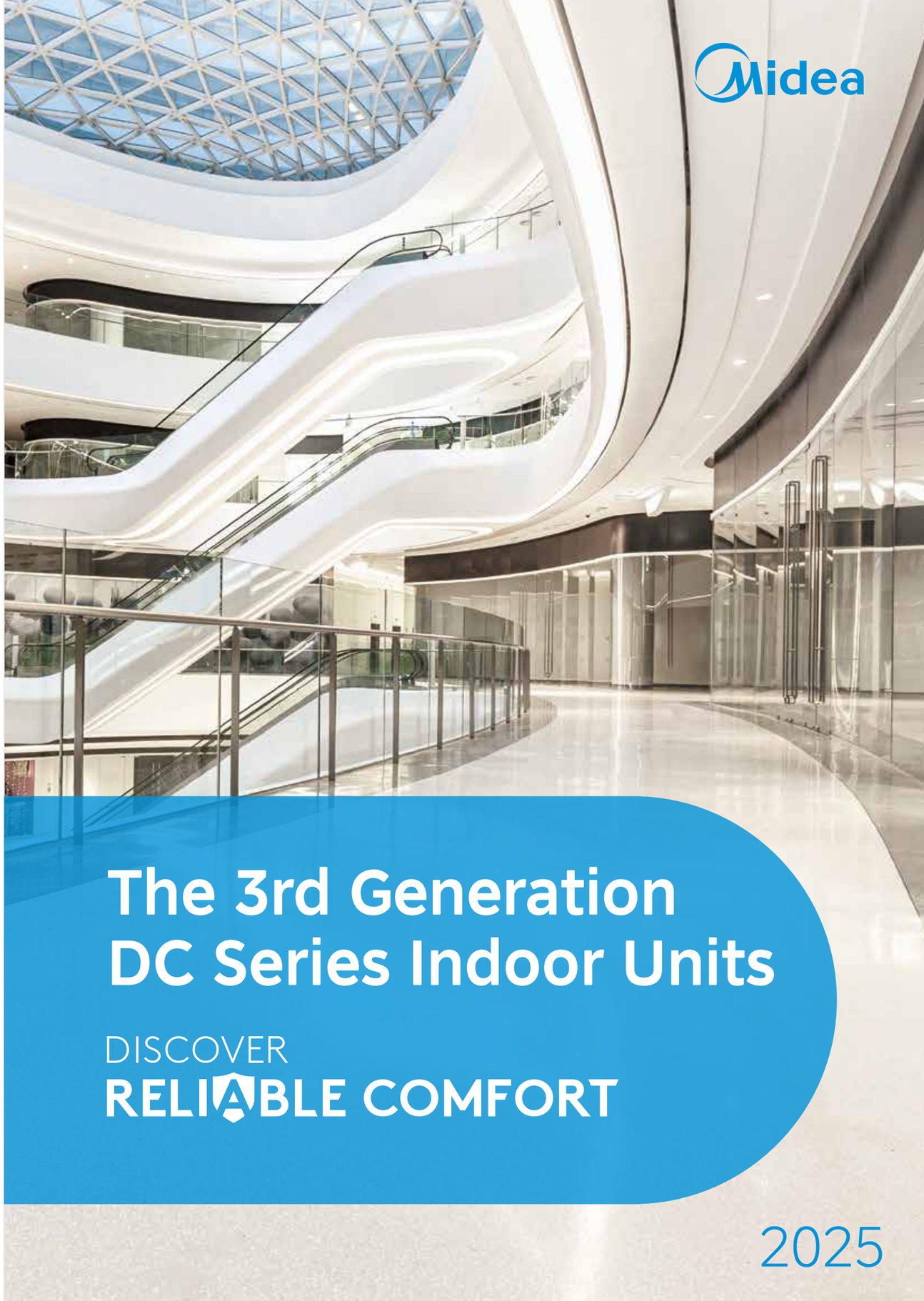
Quality Assurance ISO 9001
Environmental Management ISO 14001
Occupational Health and Safety Management ISO 45001

Midea



The 3rd Generation DC Series Indoor Units

DISCOVER
RELIABLE COMFORT

2025

MBT

Midea Building Technologies (MBT) is a key division of the Midea Group, a leading provider of comprehensive, intelligent-building solutions including energy sources, elevators, control systems and heating, ventilation and air conditioning.

Built on a foundation of innovation, Midea has emerged as a global leader in the HVAC and building management industry. Our unwavering dedication to research and development coupled with an extensive network of global partners has given birth to cutting-edge technologies that provide innovative solutions to our customers around the world.

Committed to providing users with intelligent, digital, low carbon overall building solution

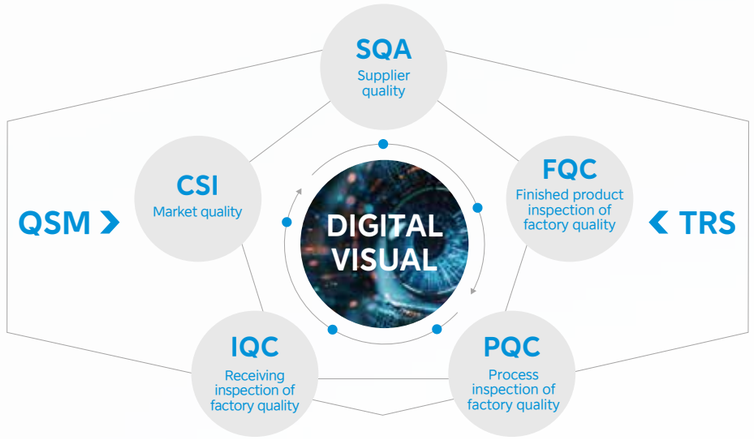
Midea Building Tech.

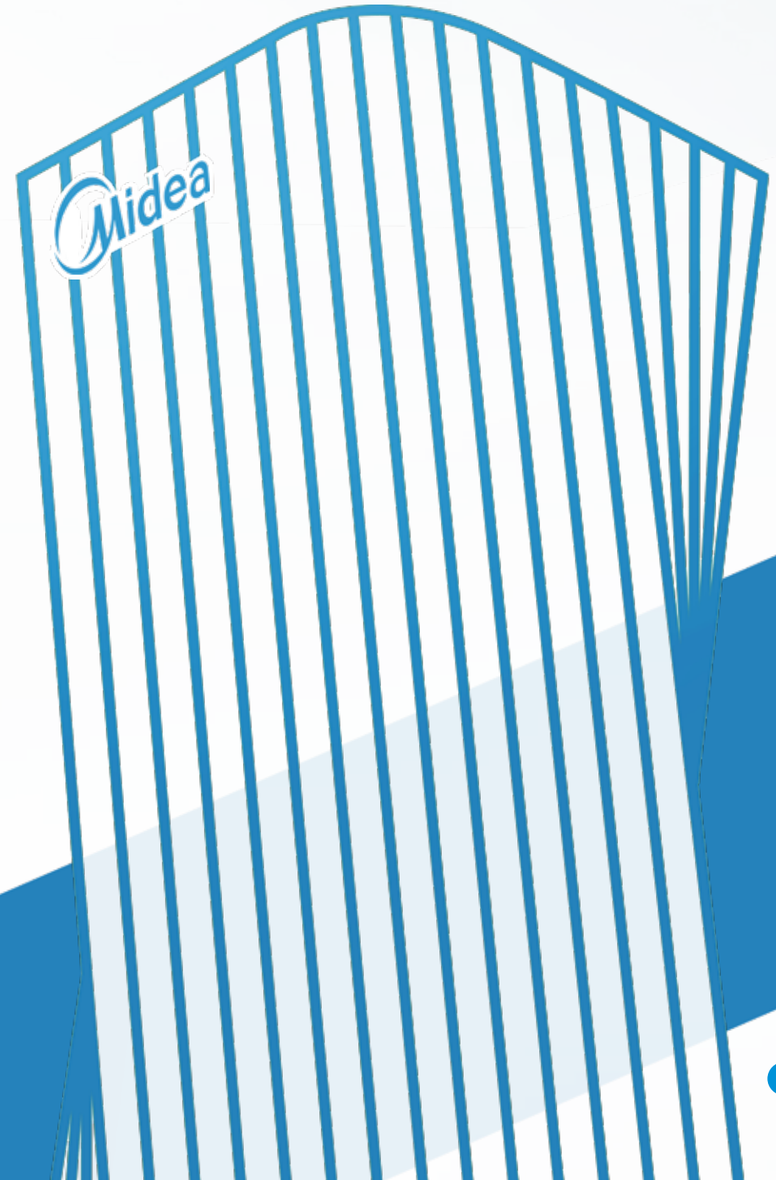
- HVAC
- Elevator
- Building Intelligence
- Energy Management

4 global manufacturing locations assure timely delivery with less sensitivity to supply chain interruption.

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

All products can be visualized and digitalized throughout entire process.





MIDEA VRF HISTORY

1999

- Cooperated with Toshiba to develop inverter technologies

V3

2005

- Launched **V3** Series VRF
- AC inverter + fixed compressor

V4

2008-2014

- Launched **V4,D4** Series VRF product line with heat pump, heat recovery series and water-cooled series

V5X

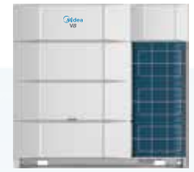
2014

- Launched **V5X** Series VRF product line
- Full DC inverter technology

VC PRO

2017-2020

- Launched **the new generation** Heat Pump series VRF,**VC Pro** cooling-only series VRF and **V6R** heat-recovery series VRF
- Launched the 2nd generation DC and the 2nd generation AC indoor unit



VC MAX/V6 PLUS

2022-2023

- Launching the **VC MAX and V6 PLUS** Series VRF
- Launched the 3rd Generation DC Series VRF indoor unit
- Full DC inverter technology

BENEFITS OF MIDEA VRF

For End-users

Improved IAQ
Cost-efficient Operation
Enhanced Indoor Comfort

For Building Owners

Energy-management Solutions
Reliable Operation
Backup Solution

For Consultants

Diversified Solutions
Professional Tools and Support
Design Flexibility

For Construction Companies

Green Solutions
Space-Saving Designs
Intelligent Management Systems

APPLICATION SOLUTIONS

Office Complexes

Enjoy comfort while working

Midea VRF provides indoor comfort solutions for office buildings of all sizes with smart control solutions that streamline the management of your VRF system. We offer a wide variety of indoor units that suit any design.

Hotels & Shopping Malls

Increase your business, not your bills

Midea VRF systems are renowned for efficient and reliable operation making them ideal for commercial applications. Intelligent control solutions include hotel key cards and touch screen controllers, making system management that much easier.

Residential Apartments

One for every home

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

Hospitals & Schools & Airports

Meeting all expectations

Innovative designs combined with a diverse variety of indoor unit options make Midea VRF an ideal choice for a wide variety of applications.

ALL DIGITALIZED SERVICE

Design Service

BIM Building Information Import

- VRF Units Layout
- VRF System Calculation
- VRF Electrical Control Diagram
- VRF System Material List

Building Energy Estimation

- Building Load Summary
- Building System Energy
- Building System Computation
- Building Cost Report

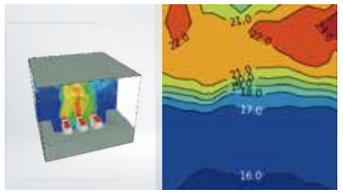
HVACSSP Online VRF System Design

- VRF Indoor Units Selection
- VRF Outdoor Units Selection
- VRF Controller Selection
- VRF Report

Installation Service

Automatic refrigerant charging

Automatic commissioning reporting



MCFD Energy consumption and airflow simulation optimization

Management Service

The probability of Filth blockage **80%**

Degradation of energy efficiency **25%**

Continuous energy saving service

After-sales Service

Intelligent maintenance tool

Cloud-based big data analytics

2+10+N Spare Parts Layout can ensure the timely supply of global after-sales spare parts

INTERNATIONAL SERVICE MANAGEMENT

Our International Service Management (ICS) system provides customers with professional technical support. Through ICS, you can download product information/documentation, get help with technical questions and troubleshooting, submit complaints and order parts using our self-service interface.

https://ics.midea.com

My order

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

Document inquiry and download

View or download product technical documentation online, such as catalogs, images, training PPTs and other assets.

Technical inquiry & FAQ

Ask technical questions online and receive a prompt response from our technicians or browse the FAQ for answers to commonly asked questions.

Troubleshooting

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

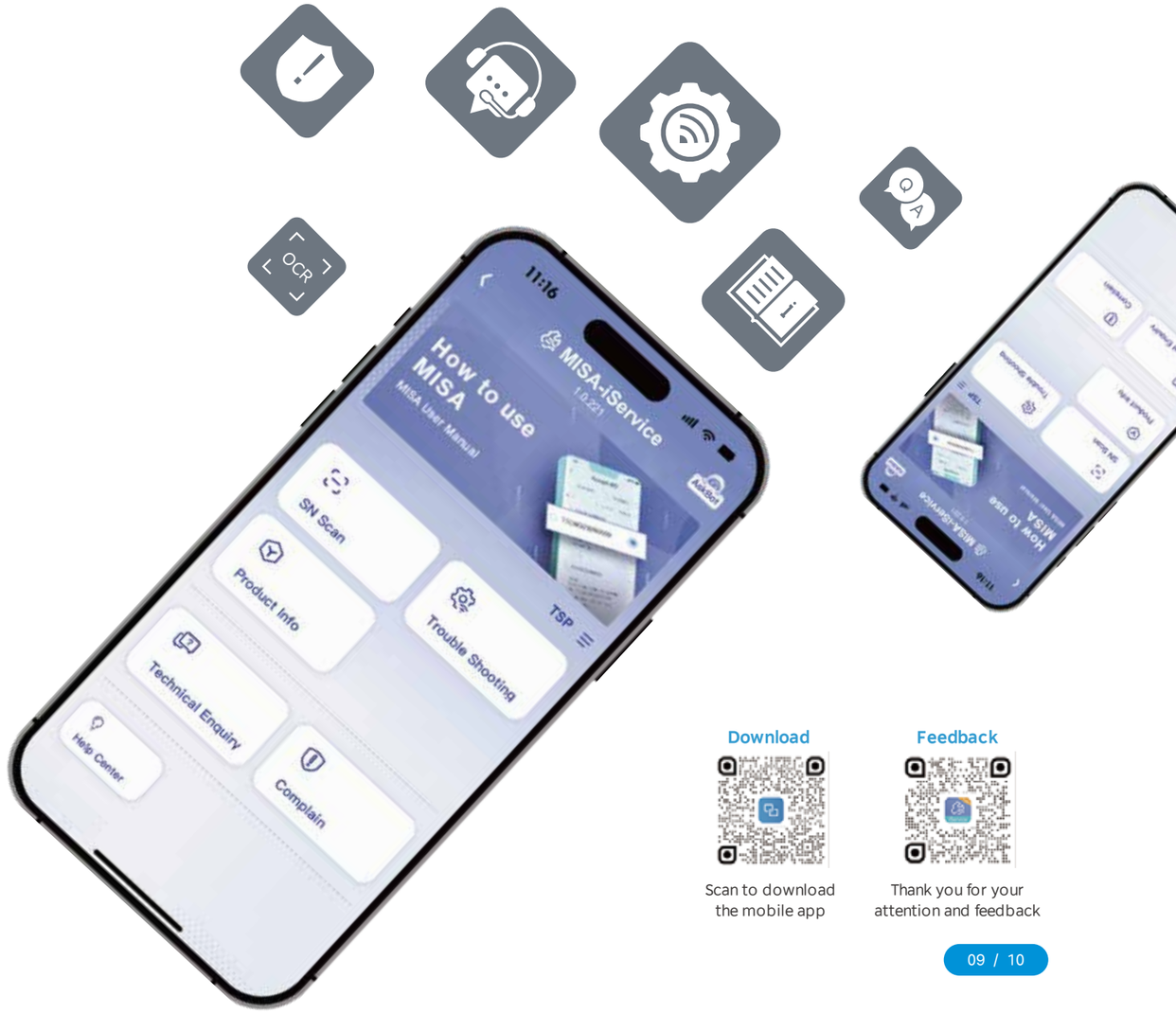
Complain

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

MOBILE INTELLIGENCE SERVICE APP

The Mobile Intelligence Service App (MISA) is the mobile version of ICS and features the same functionality. MISA often makes getting technical support timelier and more convenient.

https://link.midea.com



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Feedback

Thank you for your attention and feedback

GLOBAL BULK WAREHOUSE LAYOUT OVERVIEW

Europe

- Italy
- Germany
- France
- Hungary
- UK
- Poland
- Turkey
- Spain
- Romania
- Greece

Southeast Asia

- Vietnam
- Indonesia
- Thailand
- Malaysia
- Philippines

Latin America

- Puerto Rico
- Mexico
- Venezuela
- Brazil

- China
- Russia
- Georgia
- Egypt
- South Africa
- UAE
- Qatar
- Iraq
- India
- Uzbekistan

Australia

- Australia

Available Spare Parts centers 30

Europe (10):

Italy/Germany/France/UK/Spain/Poland/Hungary/Greece/Turkey/Romania

Asia-Africa (10):

China/Russia/Georgia/UAE/Egypt/Uzbekistan/India/South Africa/Iraq/Qatar

Latin America (5):

Mexico/Puerto Rico/Venezuela/Brazil/Australia

South-East Asia (5):

Vietnam/Thailand/Malaysia/Indonesia/Philippines

Indoor Unit Lineup

kw	1.5	1.8	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	10.0	11.2	12.5	14.0	16.0	18.0	20.0	22.4	25.2	28.0	33.5	40.0	45.0	56.0
Btu/h	5.1k	6.1k	7.5k	9.6k	12.3k	15.4k	19.1k	21.5k	24.2k	27.3k	30.7k	34.1k	38.2k	42.7k	47.8k	54.6k	61.4k	68.3K	76.5K	86.0K	95.6K	114.3K	136.5K	153.6K	191.1K
Cassette																									
One-Way Cassette		●	●	●	●	●	●		●																
New One-Way Cassette		●	●	●	●	●	●		●																
Two-Way Cassette			●	●	●	●	●		●																
Compact Four-Way Cassette	●		●	●	●	●	●	●																	
Four-Way Cassette				●	●	●	●		●	●	●	●	●		●										
Duct																									
Four-Way Cassette																●	●								
Arc Duct	●		●	●	●	●	●		●	●	●		●												
Medium Static Pressure Duct	●		●	●	●	●	●		●	●	●		●		●	●									
High Static Pressure Duct							●		●	●	●		●	●	●	●		●	●	●	●	●	●	●	●
High Static Pressure Duct(section)																	●	●	●	●	●				

Indoor Unit Lineup

kw	1.5	1.8	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	10.0	11.2	12.5	14.0	16.0	18.0	20.0	22.4	25.2	28.0	33.5	40.0	45.0	56.0
Btu/h	5.1k	6.1k	7.5k	9.6k	12.3k	15.4k	19.1k	21.5k	24.2k	27.3k	30.7k	34.1k	38.2k	42.7k	47.8k	54.6k	61.4k	68.3K	76.5K	86.0K	95.6K	114.3K	136.5K	153.6K	191.1K
Wall-Mounted Units																									
Wall-Mounted Units 	●		●	●	●	●	●		●	●															
Floor-Standing Units																									
Floor-Standing Units- Concealed 			●	●	●	●	●		●	●															
Floor-Standing Units- Exposed 			●	●	●	●	●		●	●															
Ceiling& Floor Units																									
Ceiling&Floor Units 					●	●	●		●	●	●	●	●	●	●										
Fresh Air Processing Duct																									
Small Airflow Rate Fresh Air Processing 											●				●	●			●		●				
Fresh Air Processing 														●	●	●	●	●	●	●	●	●			
Floor-Standing Units																									
Side discharge type 																		●	●	●			●	●	
Top discharge type 																		●	●	●			●	●	

Indoor Unit Features

	Features	One-Way Cassette	New One-Way Cassette	Two-Way Cassette	Compact Four-Way Cassette	Four-Way Cassette	Arc Duct	Medium Static Pressure Duct	High Static Pressure Duct
COMFORT & HEALTH	Quiet operation	All indoor units offer quiet operation for a tranquil indoor comfort experience.	●	●	●	●	●	●	●	●
	Auto cooling/heating changeover	Automatically switches between cooling and heating modes as needed to efficiently reach the set temperature	●	●	●	●	●	●	●	●
	Cold air prevention	During the warm-up phase, fan speed is limited to prevent cold-air discharge, with normal operation resuming afterward	●	●	●	●	●	●	●	●
	Digital display on/off	Indoor unit displays can be deactivated at night, creating a darker environment for sleeping	●	●	●	●	●	●	●	●
	Alert beep	Indoor unit alert beeps can be deactivated to prevent any unwanted disturbance	●	●	●	●	●	●	●	●
	EEV automatic adjustment	When in heating standby mode, the indoor unit automatically adjusts the EEV opening in response to the load which eliminates potential noise generated by flowing refrigerant	●	●	●	●	●	●	●	●
	Indoor temperature detection control	Users can control the entire system from a single designated indoor unit, streamlining operation and reducing complexity.	●	●	●	●	●	●	●	●
	0.5°C/1°C increment temperature adjustment	Set temperature can be adjusted in 0.5°C or 1°C increments, enabling precise comfort control.	●	●	●	●	●	●	●	●
	Home leave mode	During a prolonged absence, the indoor temperature is maintained at an energy-saving level.	●	●	●	●	●	●	●	●
	Independent power supply	Allows individual units to be shut down for repair or maintenance while other units continue to operate normally.	●	●	●	●	●	●	●	●
	Sleep mode	Gradually raises the temperature throughout the night (during cooling operation) to promote better sleep while saving energy.	●	●	●	●	●	●	●	●
	Heat exchanger mildew prevention	Fan will continue running after unit shuts off to dry out any lingering moisture, preventing mildew from forming on the heat exchanger.	●	●	●	●	●	●	●	●
	Air filter	Removes airborne dust particles to ensure a steady supply of clean air while preventing mildew from forming on the heat exchanger.	pre-filter ●	pre-filter ●	pre-filter ●	G1 ● G3○ F6○	G1 ●	G1 ● F6○	G1 ● G3+F6○ G3+H12○	pre-filter ● F7 ○ H13 ○
	Fresh air intake	A dedicated outside air intake port brings fresh outdoor air inside.	4.5-7.1kW ●	4.5-7.1kW ●	●	●	●	●	●	✕
	Air filter monitoring	Monitors air flow resistance in real time and displays the level of filter blockage on the controller.	✕	✕	✕	✕	✕	●	●	●
	Silver-ion-coated drain pan	Keeps the drain pan mold free with the slow release of silver ions.	✕	✕	✕	○	○	○	○	○
	Heat exchanger self-cleaning function*	Multi-step process automatically cleans the heat exchanger via frosting following by high-temperature sterilization.	●	●	●	●	●	●	●	✕
	Humidity control	Additional humidity sensor can achieve humidity control in 35~75%	✕	✕	✕	○	○	○	○	○
	Sterilization module	Positive and negative ion sterilization module effectively kills bacteria and viruses while removing odors from indoor air.	✕	✕	✕	✕	✕	○	○	✕

* Heat exchanger self-cleaning function is only available when the 3rd Generation DC Series Mini is connected, and no AHU Kits, Fresh Air Processing Units or 2nd generation indoor units are connected to the system.

● standard feature O customization option X function not available

Indoor Unit Features

	Features		One-Way Cassette	New One-Way Cassette	Two-Way Cassette	Compact Four-Way Cassette	Four-Way Cassette	Arc Duct	Medium Static Pressure Duct	High Static Pressure Duct
AIR FLOW	Vertical swing	Automatic louver vertical-swing feature uniformly distributes airflow for more consistent temperature control	5 steps + auto	5 steps + auto	5 steps + auto	5 steps + auto	5 steps + auto	✕	✕	✕
	Horizontal swing	Automatic louver horizontal swing feature uniformly distributes airflow for more consistent temperature control.	✕	●	✕	✕	✕	✕	✕	✕
	Multiple fan speeds	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
	Auto fan speed	Automatically controls fan speed depending on indoor load for maximum comfort and efficiency	●	●	●	●	●	●	●	●
	Individual louver control	All louvers can be independently controlled via the wired remote controller, letting you create a highly-customized airflow direction to accommodate unique room conditions.	✕	✕	✕	●	●	✕	✕	✕
	Soft wind mode	Directs airflow toward the ceiling to create a windless environment.	●	●	●	●	●	✕	✕	✕
	Adaptive ESP	ESP adapts to duct resistance to ensure constant airflow.	✕	✕	✕	✕	✕	●	●	●
ENERGY SAVING	META mode	Triple variable control maximizes comfort and energy efficiency.	●	●	●	●	●	●	●	✕
	ECO mode	Energy-saving feature automatically raises temperature 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	Fan motor and water pump operate on full DC power, improving efficiency and saving energy.	●	●	●	●	●	●	●	●
	Human Detect Sensor	Using a millimeter-wave radar sensor, the unit senses the presence or absence of people in the room and will automatically adjust the temperature accordingly to ensure comfort while saving energy.	✕	✕	✕	○	○	○(1)	○(1)	○(1)
EASY Installation & Service	Easy software updates(2)	All indoor unit software can be updated by accessing its corresponding outdoor unit, providing added convenience.	●	●	●	●	●	●	●	●
	Extended Distance Air Delivery	Provides adequate airflow even in spaces with high ceilings.	✕	✕	✕	●3.5m	●3m ○4.5m	✕	✕	✕
	High-lift drain pump	Enables efficient drainage of condensation from the indoor unit.	●	●	●	●	●	●	●	●
	Water-level switch	When the drain pipe is blocked or in poor condition, the water-level switch turns off automatically preventing any overflow and potential ceiling damage witch.	●	●	●	●	●	●	●	●
	Ceiling anti-dirt setting	A specially-designed air discharge directs airflow away from the ceiling, preventing ceiling dirty.	●	●	●	●	●	✕	✕	✕
	Air baffle flttings for irregular rooms	Air baffle fittings can be used to block specific discharge ports, optimizing airflow in others, providing customized airflow for irregularly-shaped rooms.	✕	✕	✕	●	●	✕	✕	✕
	2-core non-polarity communication wiring	Simplifies installation and reduces wiring failures.	●	●	●	●	●	●	●	●
	Extended communication wiring	1200m maximum communication wiring length makes installation more flexible.	●	●	●	●	●	●	●	●
	3 digit, 7-segment display	3 digit, 7-segment display can display more parameters and error information.	●	●	●	●	●	●(5)	●(5)	●(5)
	Detailed error codes	Improves maintenance efficiency by providing highly-detailed error code.	●	●	●	●	●	●	●	●

*Note:
1. Use the display box which is equipped with a human detect sensor.
2. Software update function requires Bluetooth module or data cloud gateway sold 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
5. Air duct units need customized display box.

● standard feature O customization option X function not available

Indoor Unit Features

	Features		One-Way Cassette	New One-Way Cassette	Two-Way Cassette	Compact Four-Way Cassette	Four-Way Cassette	Arc Duct	Medium Static Pressure Duct	High Static Pressure Duct
EASY CONTROL	Timer	Convenient timer can be programmed for daily or weekly operation.	●	●	●	●	●	●	●	●
	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	Control several indoor units from a single controller.	●	●	●	●	●	●	●	●
	Auto-restart	After a power failure, the unit will automatically resume operation with all previous settings restored.	●	●	●	●	●	●	●	●
	°C/°F setting	Units can be displayed at °C or °F depending on user preference.	●	●	●	●	●	●	●	●
	Long-distance on/off function	Lets you remotely turn the unit on or off from a distance using weak electricity external devices.	●	●	●	●	●	●	●	●
EXTENDED FUNCTIONS	Humidifler connection	Enables third-party humidifier connection with optional expansion board.	✕	✕	✕	○	○	○	○	○
	Dehumidifler connection	Enables third-party dehumidifier connectivity with optional expansion board.	✕	✕	✕	○	○	○	○	○
	Electric heater connection	Enables third-party electric heater connection with optional expansion board.	○(4)	○(4)	✕	○	○	○	○	○
	Refrigerant leak sensor connection	Enables refrigerant-leak sensor connection with optional expansion board.	○(4)	○(4)	✕	○	○	○	○	○
	CO2 sensor connection	Additional expansion board can achieve CO2 sensor connection	○(4)	○(4)	✕	○	○	○	○	○
	PM2.5 sensor connection	Enables PM2.5 sensor connection with optional expansion board.	○(4)	○(4)	✕	○	○	○	○	○
	Third-party controller connection	A third-party controller can be used to control mode, fan speed and temperature settings.	○(4)	○(4)	✕	○	○	○	○	○
	Long-distance on/off function	Long-distance startup or shutoff the system by strong electricity external devices	○(4)	○(4)	✕	○	○	○	○	○
	Long-distance alarm function	Long-distance alarm when an error occurs	○(4)	○(4)	✕	○	○	○	○	○
	Multiple protections	Multiple protections ensure stable, reliable operation.	●	●	●	●	●	●	●	●

*Note:
1. Use the display box which is equipped with a human detect sensor.
2. Software update function requires Bluetooth module or data cloud gateway sold 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

● standard feature O customization option X function not available

Indoor Unit Features

COMFORT & HEALTH

Features		Wall-Mounted Units	Floor-Standing Units	Ceiling& Floor Units	Small Airflow Rate Fresh Air Processing	Fresh Air Processing	Side Discharge Type	Top Discharge Type
Quiet operation	All indoor units offer quiet operation for a tranquil indoor comfort experience.	●	●	●	×	×	●	●
Auto cooling/heating changeover	Automatically switches between cooling and heating modes as needed to efficiently reach the set temperature	●	●	●	●	●	●	●
Cold air prevention	During the warm-up phase, fan speed is limited to prevent cold-air discharge, with normal operation resuming afterward	●	●	●	●	●	●	●
Digital display on/off	Indoor unit displays can be deactivated at night, creating a darker environment for sleeping	●	●	●	●	●	●	●
Alert beep	Indoor unit alert beeps can be deactivated to prevent any unwanted disturbance	●	●	●	●	●	●	●
EEV automatic adjustment	When in heating standby mode, the indoor unit automatically adjusts the EEV opening in response to the load which eliminates potential noise generated by flowing refrigerant	●	●	●	●	●	●	●
Indoor temperature detection control	Users can control the entire system from a single designated indoor unit, streamlining operation and reducing complexity.	●	●	●	×	×	●	●
0.5°C/1°C increment temperature adjustment	Set temperature can be adjusted in 0.5°C or 1°C increments, enabling precise comfort control.	●	●	●	●	●	●	●
Home leave mode	During a prolonged absence, the indoor temperature is maintained at an energy-saving level.	●	●	●	×	×	●	●
Independent power supply	Allows individual units to be shut down for repair or maintenance while other units continue to operate normally.	●	●	●	×	×	●	●
Sleep mode	Gradually raises the temperature throughout the night (during cooling operation) to promote better sleep while saving energy.	●	●	●	●	●	●	●
Heat exchanger mildew prevention	Fan will continue running after unit shuts off to dry out any lingering moisture, preventing mildew from forming on the heat exchanger.	●	●	●	×	×	●	●
Air filter	Removes airborne dust particles to ensure a steady supply of clean air while preventing mildew from forming on the heat exchanger.	pre-filter ●	G1 ●	pre-filter ●	pre-filter ● F7 ○ H13 ○	pre-filter ● F7 ○ H13 ○	pre-filter ● F7 ○ H13 ○	pre-filter ● F7 ○ H13 ○
Fresh air intake	A dedicated outside air intake port brings fresh outdoor air inside.	×	×	●	●	●	×	×
Air filter monitoring	Monitors air flow resistance in real time and displays the level of filter blockage on the controller.	×	×	×	●	●	×	●
Silver-ion-coated drain pan	Keeps the drain pan mold free with the slow release of silver ions.	○	×	×	○	○	○	○
Heat exchanger self-cleaning function*	Multi-step process automatically cleans the heat exchanger via frosting following by high-temperature sterilization.	●	●	●	×	×	×	×
Humidity control	Additional humidity sensor can achieve humidity control in 35~75%	○	○	○	×	×	○	○
Sterilization module	Positive and negative ion sterilization module effectively kills bacteria and viruses while removing odors from indoor air.	×	×	×	×	×	×	×

● standard feature　O customization option　X function not available

* Heat exchanger self-cleaning function is only available when the 3rd Generation DC Series Mini is connected, and no AHU Kits, Fresh Air Processing Units or 2nd generation indoor units are connected to the system.

Indoor Unit Features

	Features		Wall-Mounted Units	Floor-Standing Units	Ceiling& Floor Units	Small Airflow Rate Fresh Air Processing	Fresh Air Processing	Side Discharge Type	Top Discharge Type
AIR FLOW	Vertical swing	Automatic louver vertical-swing feature uniformly distributes airflow for more consistent temperature control	5 steps + auto	×	5 steps + auto	×	×	×	×
	Horizontal swing	Automatic louver horizontal swing feature uniformly distributes airflow for more consistent temperature control.	○	×	●	×	×	5 steps + auto	×
	Multiple fan speeds	Multiple fan speeds can be selected to optimize comfort levels.	7 steps	7 steps	7 steps	7 steps	7 steps	7 steps	7 steps
	Auto fan speed	Automatically controls fan speed depending on indoor load for maximum comfort and efficiency	●	×	●	×	×	●	●
	Individual louver control	All louvers can be independently controlled via the wired remote controller, letting you create a highly-customized airflow direction to accommodate unique room conditions.	×	×	×	×	×	×	×
	Soft wind mode	Directs airflow toward the ceiling to create a windless environment.	●	×	●	×	×	×	×
	Adaptive ESP	ESP adapts to duct resistance to ensure constant airflow.	×	×	×	●	●	×	●
ENERGY SAVING	META mode	Triple variable control maximizes comfort and energy efficiency.	●	●	●	×	×	×	×
	ECO mode	Energy-saving feature automatically raises temperature 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	Fan motor and water pump operate on full DC power, improving efficiency and saving energy.	●	●	●	●	●	●	●
	Human Detect Sensor	Using a millimeter-wave radar sensor, the unit senses the presence or absence of people in the room and will automatically adjust the temperature accordingly to ensure comfort while saving energy.	○	×	×	×	×	○(1)	○(1)
EASY Installation & Service	Easy software updates(2)	All indoor unit software can be updated by accessing its corresponding outdoor unit, providing added convenience.	●	●	●	●	●	●	●
	Extended Distance Air Delivery	Provides adequate airflow even in spaces with high ceilings.	×	×	×	×	×	×	×
	High-lift drain pump	Enables efficient drainage of condensation from the indoor unit.	○	×	○(3)	●	●	○	○
	Water-level switch	When the drain pipe is blocked or in poor condition, the water-level switch turns off automatically preventing any overflow and potential ceiling damage witch.	○	×	○	●	●	●	●
	Ceiling anti-dirt setting	A specially-designed air discharge directs airflow away from the ceiling, preventing ceiling dirty.	×	×	×	×	×	×	×
	Air baffle flttings for irregular rooms	Air baffle fittings can be used to block specific discharge ports, optimizing airflow in others, providing customized airflow for irregularly-shaped rooms.	×	×	×	×	×	×	×
	2-core non-polarity communication wiring	Simplifies installation and reduces wiring failures.	●	●	●	●	●	●	●
	Extended communication wiring	1200m maximum communication wiring length makes installation more flexible.	●	●	●	●	●	●	●
	3 digit, 7-segment display	3 digit, 7-segment display can display more parameters and error information.	●	●(5)	●	●(5)	●(5)	●	●
	Detailed error codes	Improves maintenance efficiency by providing highly-detailed error code.	●	●	●	●	●	●	●

*Note:
1. Use the display box which is equipped with a human detect sensor.
2. Software update function requires Bluetooth module or data cloud gateway sold 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
5. Air duct units need customized display box.

● standard feature　O customization option　X function not available

Indoor Unit Features

	Features		Wall-Mounted Units	Floor-Standing Units	Ceiling& Floor Units	Small Airflow Rate Fresh Air Processing	Fresh Air Processing	Side Discharge Type	Top Discharge Type
EASY CONTROL	Timer	Convenient timer can be programmed for daily or weekly operation.	●	●	●	●	●	●	●
	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	Control several indoor units from a single controller.	●	●	●	●	●	●	●
	Auto-restart	After a power failure, the unit will automatically resume operation with all previous settings restored.	●	●	●	●	●	●	●
	°C/°F setting	Units can be displayed at ºC or ºF depending on user preference.	●	●	●	●	●	●	●
	Long-distance on/off function	Lets you remotely turn the unit on or off from a distance using weak electricity external devices.	●	●	●	●	●	●	●
EXTENDED FUNCTIONS	Humidifler connection	Enables third-party humidifier connection with optional expansion board.	○	○	○	✕	✕	○	○
	Dehumidifler connection	Enables third-party dehumidifier connectivity with optional expansion board.	○	○	○	✕	✕	○	○
	Electric heater connection	Enables third-party electric heater connection with optional expansion board.	○	○	○	○	○	○	○
	Refrigerant leak sensor connection	Enables refrigerant-leak sensor connection with optional expansion board.	○	○	○	○	○	○	○
	CO2 sensor connection	Additional expansion board can achieve CO2 sensor connection	○	○	○	○	○	○	○
	PM2.5 sensor connection	Enables PM2.5 sensor connection with optional expansion board.	○	○	○	○	○	○	○
	Third-party controller connection	A third-party controller can be used to control mode, fan speed and temperature settings.	○	○	○	○	○	○	○
	Long-distance on/off function	Long-distance startup or shutoff the system by strong electricity external devices	○	○	○	○	○	○	○
	Long-distance alarm function	Long-distance alarm when an error occurs	○	○	○	○	○	○	○
	Multiple protections	Multiple protections ensure stable, reliable operation.	●	●	●	●	●	●	●

*Note:
1. Use the display box which is equipped with a human detect sensor.
2. Software update function requires Bluetooth module or data cloud gateway sold separately.
3. Only when the unit is installed on the ceiling.
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● standard feature O customization option X function not available

Multi-directional drainage

Quiet operation

High-lift drain pump

One-Way Cassette

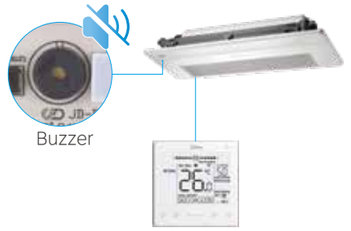
COMFORT

Digital display on/off

Indoor unit displays can be deactivated at night, creating a darker environment for sleep.

Alert beep on/off

Indoor unit alert beeps can be deactivated to prevent any unwanted disturbance



Quiet operation

The fan motor, air duct, and heat exchanger have been redesigned to achieve near-silent operation down to 22dB(A), ensuring a tranquil and comfortable indoor environment.

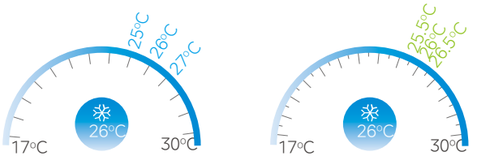
HEALTH

Automatic anti-condensation mode

The One-way Cassette can detect operating conditions and automatically adjust the outlet angle of the guide vane in order to prevent condensation.

0.5°C/1°C Increment temperature adjustment

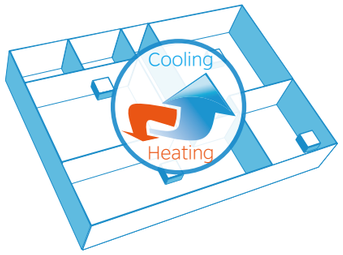
Set temperature can be adjusted in 0.5°C or 1°C increments, enabling precise comfort control.



WIDER APPLICATION

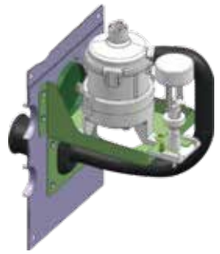
Auto cooling/heating changeover

Automatically switches between cooling and heating modes as needed to efficiently reach the set temperature.



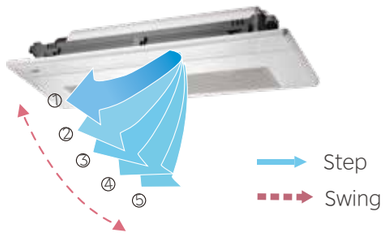
Digital DC water-pump monitor

Actively monitors pump speed and water flow, issuing alerts if leakages, jamming or other attenuation is detected.



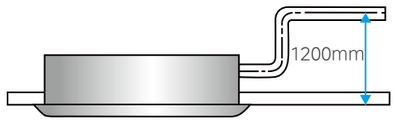
Multi-step vertical swing

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°.



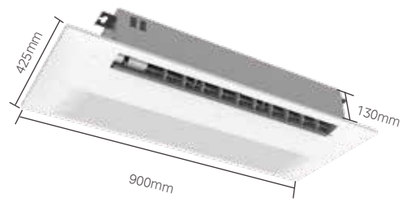
High-lift drain pump

Drain pump features a 1200mm raised height, simplifying installation while enabling efficient drainage of condensation from the indoor unit.



Ultra-thin body design

The new one-way cassette units have ultra-thin body design, the body height of the whole series is only 130mm, greatly saving space and more flexible installation.



Multi-directional drainage

Quiet operation

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Two-Way Cassette

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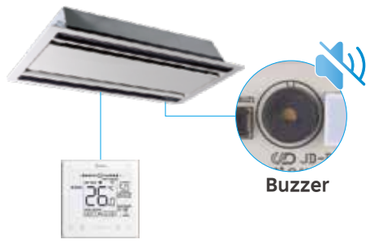

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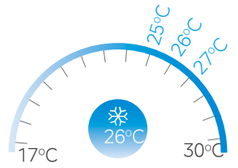

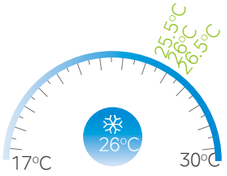

WIDER APPLICATION

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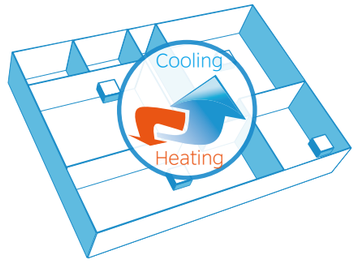

Multi-step vertical swing

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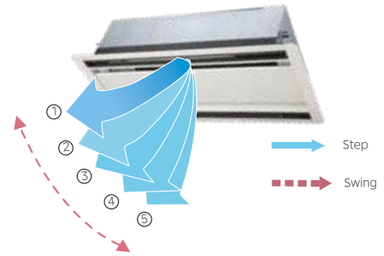

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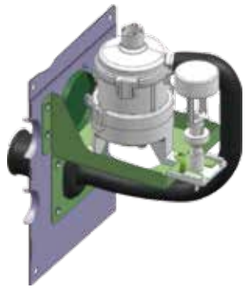
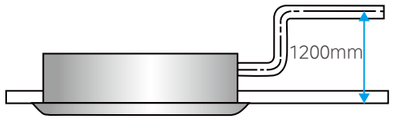
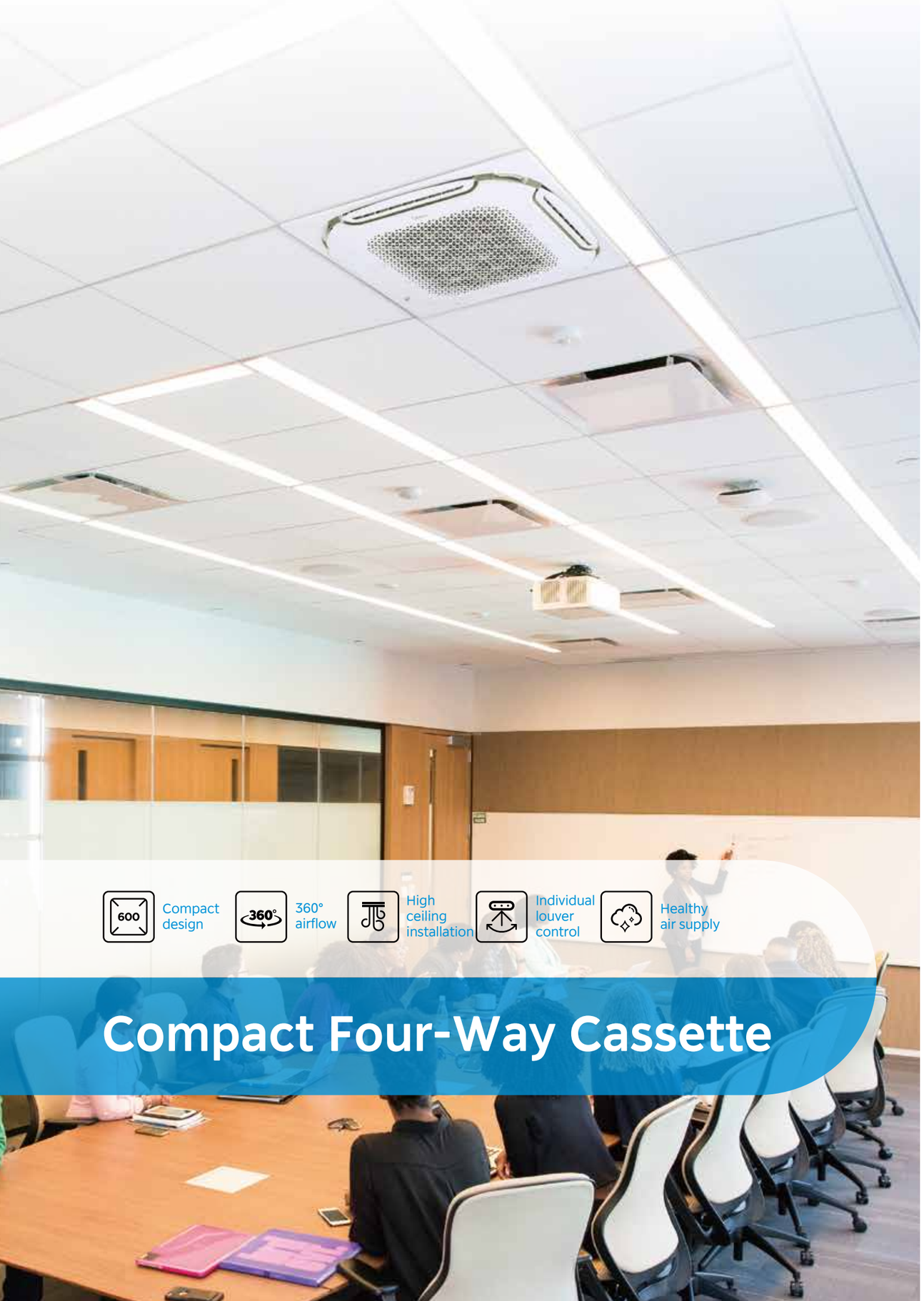


High-lift drain pump

Drain pump features a 1200mm raised height, simplifying installation while enabling efficient drainage of condensation from the indoor unit.



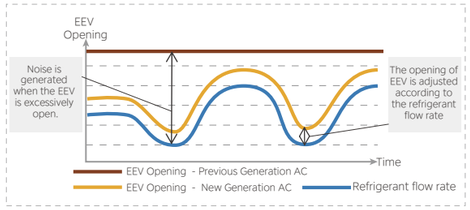


Compact Four-Way Cassette

COMFORT

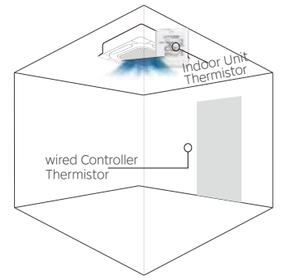
EEV automatic adjustment

When in heating standby mode, the indoor unit automatically adjusts the EEV opening in response to the load which eliminates potential noise generated by flowing refrigerant.



Dual-thermistor 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 a millimeter-wave radar sensor, the unit senses the presence or absence of people in the room and will automatically adjust the temperature accordingly to ensure comfort while saving energy.

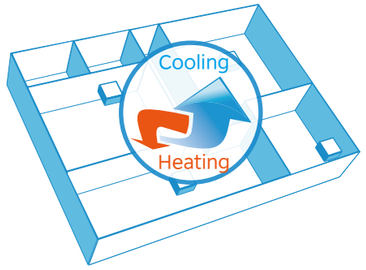
The indoor unit automatically runs when detecting human presence

The indoor unit automatically stops when detecting absence

*Available on the 3rd Generation DC Series Compact Four-Way Cassette as customized option.

Auto cooling/heating changeover

Automatically switches between cooling and heating modes as needed to efficiently reach the set temperature.



AIRFLOW

360° Airflow

Improved design features a round air discharge for more uniform, evenly-distributed airflow.

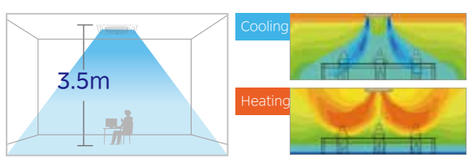
The continuous air supply port air supply area increases by 20%

7 Fan speeds

7 fan-speed options let you customize comfort settings based on indoor conditions and user preference.

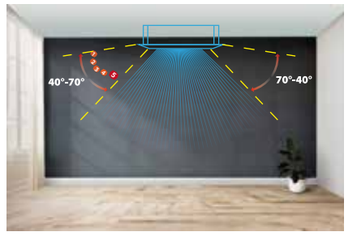
Long-distance air delivery

The Compact Four-way Cassette has been engineered with an additional 30Pa static pressure, ensuring adequate airflow even in spaces with up to a 3.5m ceiling height.



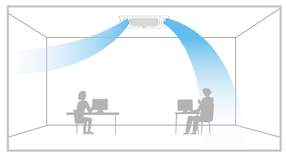
Multi-step vertical swing

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.



Individual louver control

All louvers can be independently controlled via the wired remote controller, letting you create a highly-customized airflow direction to accommodate unique room conditions



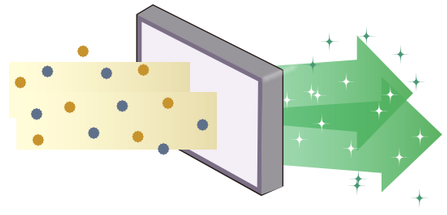
Soft wind mode

Directs airflow toward the ceiling to create a windless environment

HEALTH

Optional F6-class air filte

The Compact Four-way Cassette supports installation of F6-class filters with a 30Pa external static pressure. The F6 filter achieves up to 80% collection efficiency for particles larger than 1μm, promoting a cleaner and healthier indoor environment.

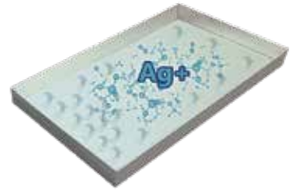


Heat exchanger mildew prevention

Fan will continue running after unit shuts off to dry out any lingering moisture, preventing mildew from forming on the heat exchanger.

Silver-ion-coated drain pan*

Keeps the drain pan mold free with the slow release of silver ions.

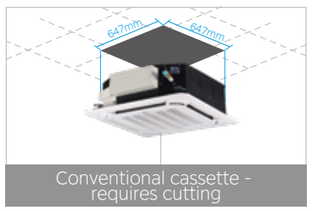


*Available on the 3rd Generation DC Series Compact Four-Way Cassette as customized option.

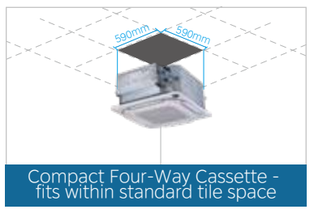
EASY INSTALLATION

Compact design

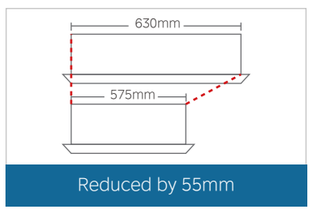
Our redesigned Four-way Cassette features a compact size that allows it to fit neatly within the space of a standard 620mm x 620mm tile, eliminating the need for cutting and simplifying installation.



Conventional cassette - requires cutting



Compact Four-Way Cassette - fits within standard tile space



Reduced by 55mm

High-lift drain pump

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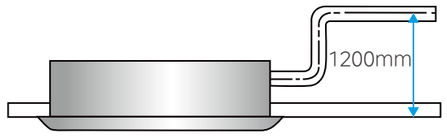
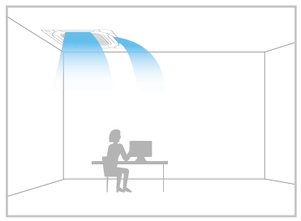


Water-level

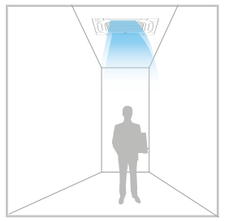
When the drain pipe is blocked or in poor condition, the water-level switch turns off automatically preventing any overflow and potential ceiling damage

Air baffle fittings for irregular rooms

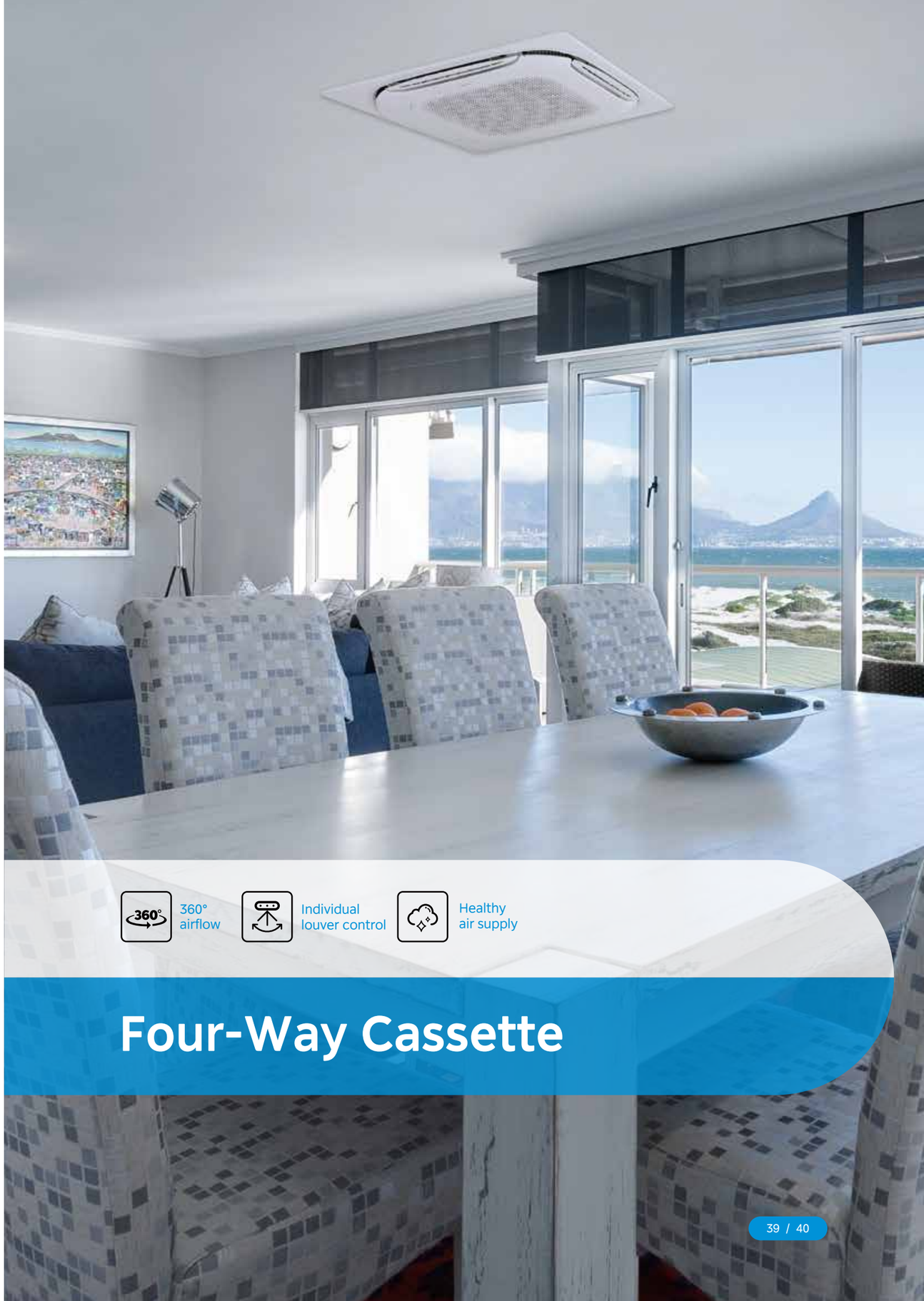
Air baffle fittings can be used to block specific discharge ports, optimizing airflow in others, providing customized airflow for irregularly-shaped rooms.



At the corner



In the narrow room



360° airflow

Individual louver control

Healthy air supply

Four-Way Cassette

COMFORT

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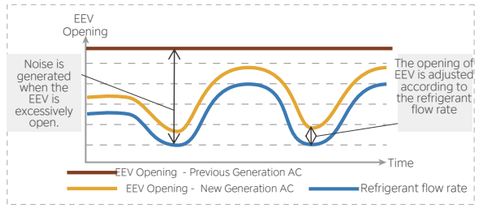

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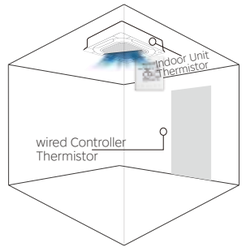

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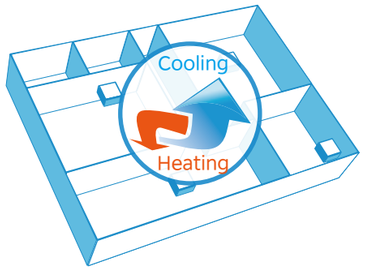

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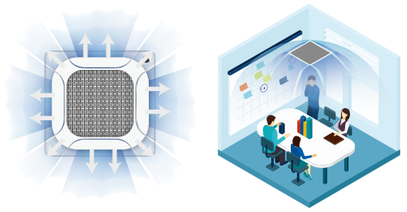

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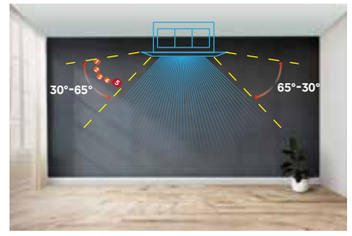

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7 fan speeds

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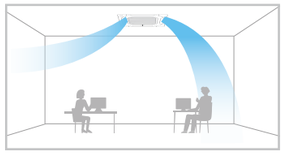

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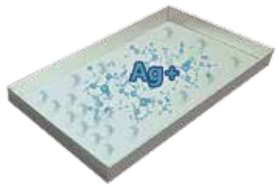
Silver-ion-coated drain pan*

Keeps the drain pan mold free with the slow release of silver ions.

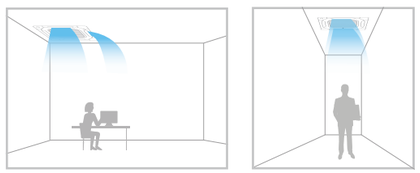


*Available on the 3rd Generation DC Series Compact Four-Way Cassette as customized option.

EASY INSTALLATION

Air baffle fittings for irregular rooms

Air baffle fittings can be used to block specific discharge ports, optimizing airflow in others, providing customized airflow for irregularly-shaped rooms.

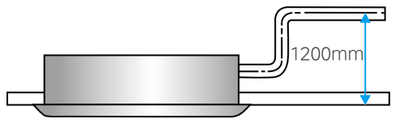


At the corner

In the narrow room

High-lift drain pump

Drain pump features a 1200mm raised height, simplifying installation while enabling efficient drainage of condensation from the indoor unit.



Water-level switch

When the drain pipe is blocked or in poor condition, the water-level switch turns off automatically preventing any overflow and potential ceiling damage.

Ultra-thin height

Quiet operation

Healthy air supply

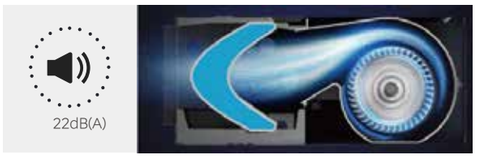
Constant air volume

Arc Duct

COMFORT

Quiet operation

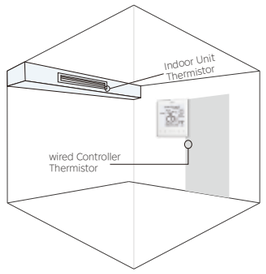
The fan motor, air duct, and heat exchanger have been redesigned to achieve near-silent operation down to 22dB(A), ensuring a tranquil and comfortable indoor environment.



- - noise reduction
- -Air duct noise reduction
- -Heat exchanger noise reduction

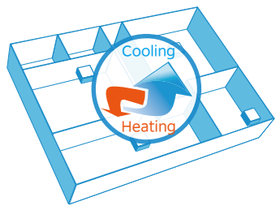
Dual-thermistor control

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



Auto cooling-heating changeover

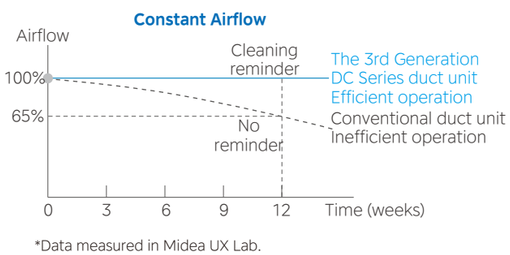
Automatically switches between cooling and heating modes as needed to efficiently reach the set temperature.



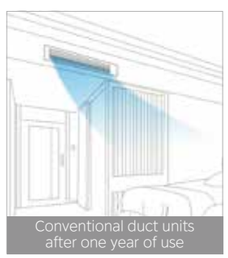
AIRFLOW

Constant airflow

Constant airflow technology ensures that the volume of air output remains consistent, effectively overcoming installation challenges and ensuring optimal performance even with prolonged use.



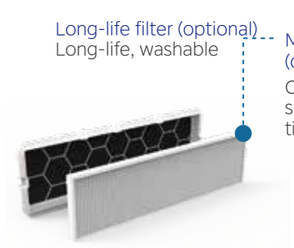
*Data measured in Midea UX Lab.

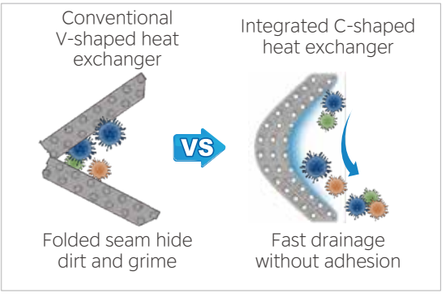


HEALTH

Healthy air supply

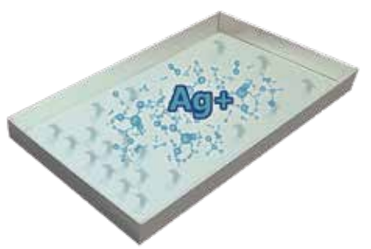
The Arc Duct unit incorporates an integrated C-shaped heat exchanger that facilitates rapid drainage without accumulating dust or ash. Additionally, the optional long-life filter, medium-life filter, and plasma sterilization module further improve air supply quality, promoting a healthier environment.





Silver-ion-coated drain pan*

Keeps the drain pan mold free with the slow release of silver ions.

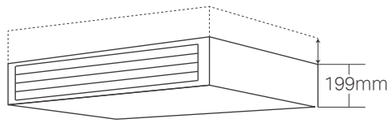


*Available on the 3rd Generation DC Series Compact Four-Way Cassette as customized option.

EASY INSTALLATION

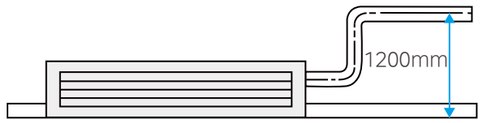
Ultra-thin design

All models in the Arc Duct series have a low-profile design with a height of just 199mm. This space-saving feature makes installation easier, especially in narrow spaces.



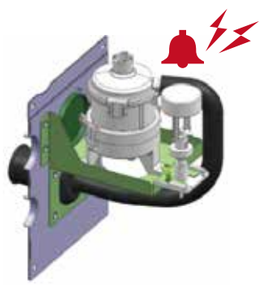
High-lift drain pump

Drain pump features a 1200mm raised height, simplifying installation while enabling efficient drainage of condensation from the indoor unit.



Drain-pump fault alert

Provides early warning of a drain-pump fault.



Compact design

Flexible installation

Healthy air supply

Constant air volume

Medium Static Pressure Duct

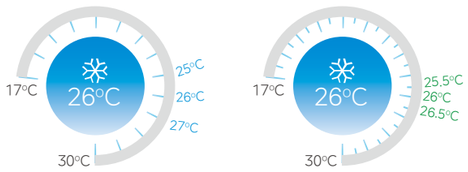
COMFORT

Quiet operation

The fan motor, air duct, and heat exchanger have been redesigned to achieve near-silent operation down to 22dB(A), ensuring a tranquil and comfortable indoor environment.

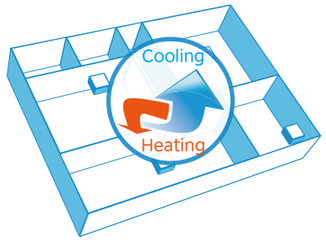
0.5°C/1°C Increment temperature Adjustment

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



Auto cooling/heating changeover

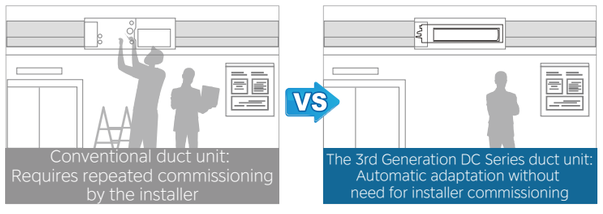
Automatically switches between cooling and heating modes as needed to efficiently reach the set temperature.



AIRFLOW

Adaptive duct length and filter resistance

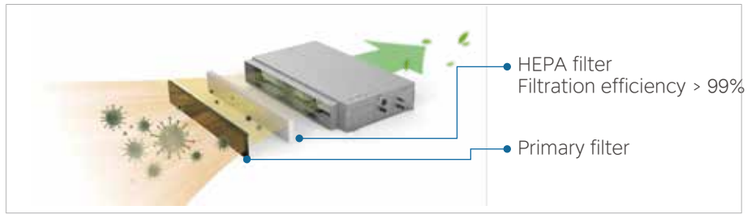
A digital fan motor, combined with a specially-designed independent drive chip automatically adjusts airflow based on different static pressure levels ranging from 10 to 160 Pa, and without any intervention required from the installer.



HEALTH

High-efficiency HEPA filter*

A robust static pressure of up to 160 Pa allows for the use of medical-grade HEPA filters, even on small-capacity models. These filters efficiently capture particles as fine as 0.5 microns with an efficiency of over 99%.

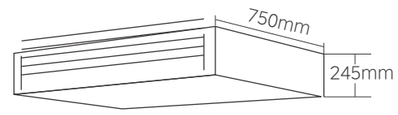


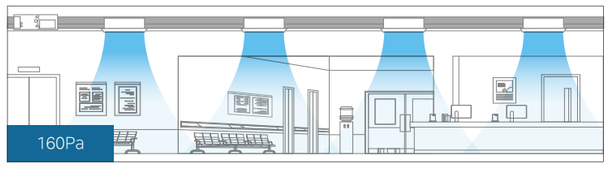
* Available as a customized option.

EASY INSTALLATION

Space-saving design combined with high ESP

All models in the Medium Static Pressure Duct feature a low profile of just 245mm, making them ideal for installation in long and narrow spaces. Despite their compact height, they can overcome static pressures of up to 160 Pa, ensuring efficient cooling/heating airflow over longer distances.





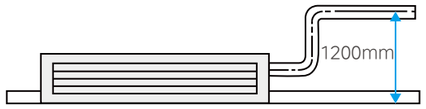
Flexible, 3-way installation*

Our Medium Static Pressure Ducts are designed for flexible installation. They can be mounted on the ceiling or hung/mounted against a wall, making them suitable for nearly any room design.

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

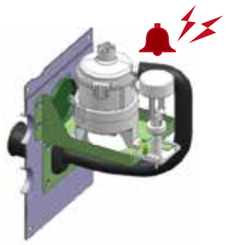
High-lift drain pump

Drain pump features a 1200mm raised height, simplifying installation while enabling efficient drainage of condensation from the indoor unit.



Drain-pump fault alert

Provides early warning of a drain-pump fault.



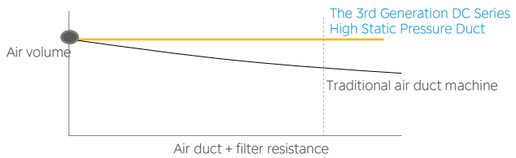
Compact design
Flexible installation
Healthy air supply
Constant air volume

High Static Pressure Duct

AIRFLOW

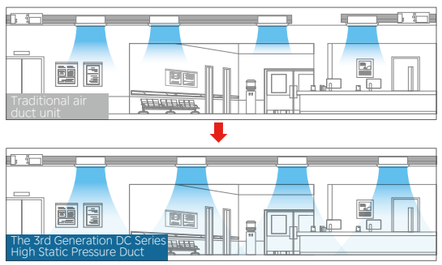
Constant airflow technology

By utilizing digital fan technology, air volume output levels are monitored and maintained at consistent levels. This capability allows it to overcome installation challenges without experiencing any reduction in performance, even with prolonged use.



Ultra-high static pressure

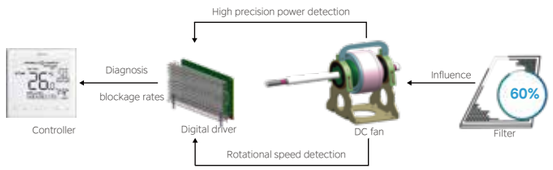
The unit can achieve static pressure of up to 250Pa (5.6-16kW), 280Pa (sectional unit 18-28kW), and 400Pa (20-56kW), allowing for longer air supply distances. This is particularly beneficial in long and narrow spaces like corridors, while also reducing the total number of units needed and saving on capital costs.



HEALTH

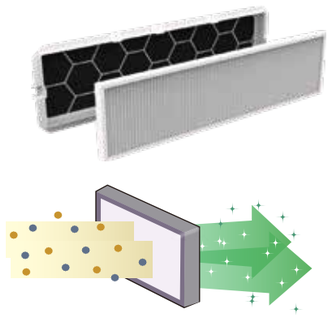
Air filter monitoring

The built-in machine learning technology can detect the real-time resistance of the filter screen. It displays the degree of blockage on the controller, to alert technicians when maintenance is required.



Optional filter screens

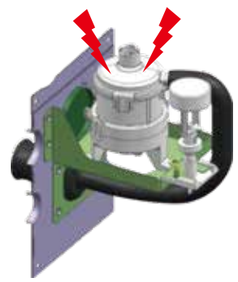
Optional F7 or H13-class air filters come equipped with H13 HEPA high-efficiency screens. These filters can effectively filter extremely-fine 0.5 micron particles with a primary filtration efficiency of more than 99.95%.



WIDER APPLICATION

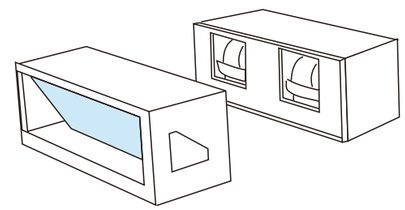
Digital DC water-pump monitor

Actively monitors pump speed and water flow, issuing alerts if leakages, jamming or other attenuation is detected.



Installation of duct in sections

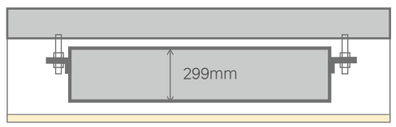
High Static Pressure Duct units support handling in sections, reducing the weight and size of individual units for easy handling and installation.



*Only high static pressure duct(section) support.

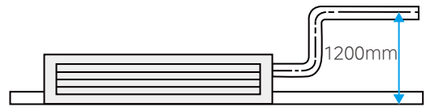
Ultra-thin profile

Our High Static Pressure Duct features a low profile of just 299mm, reducing the amount of ceiling space required for installation and providing increased flexibility in placement.



High-lift drain pump

Drain pump features a 1200mm raised height, simplifying installation while enabling efficient drainage of condensation from the indoor unit.



Close to ceiling installation

Multi-directional drainage

Quiet operation

Bi-directional Coanda airflow

Wall-Mounted Units

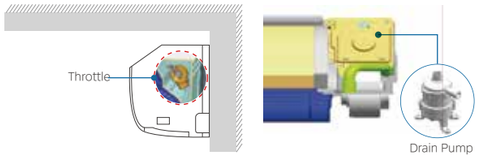
COMFORT

Quiet Operation

Our Wall-Mounted units feature ultra-quiet operation down to 27dB(A) making them an ideal choice for lodging applications and other noise-sensitive locations.

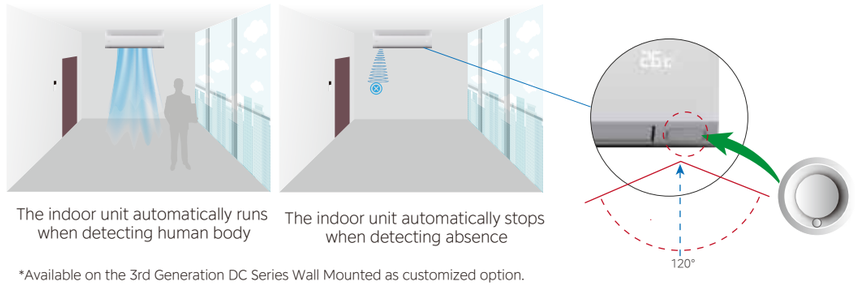
Enclosed components

Our Wall-Mount units feature fully-enclosed throttle parts and drain pumps, ensuring quiet operation.



Human detect sensor*

Using a millimeter-wave radar sensor, the unit senses the presence or absence of people in the room and will automatically adjust the temperature accordingly to ensure comfort while saving energy.



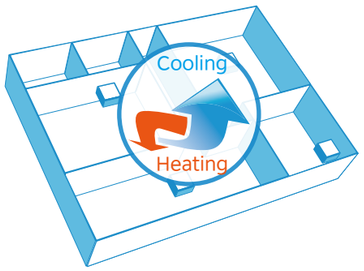
The indoor unit automatically runs when detecting human body

The indoor unit automatically stops when detecting absence

*Available on the 3rd Generation DC Series Wall Mounted as customized option.

Auto cooling/heating changeover

Automatically switches between cooling and heating modes as needed to efficiently reach the set temperature.



Sleep mode

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

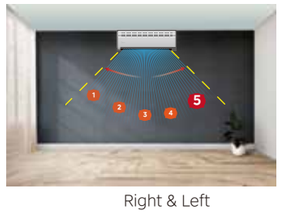
*Temperature on left is for reference.

AIRFLOW

3D airflow*

The 3D airflow feature allows for vertical and horizontal air discharge, resulting in more uniform dispersion and temperature distribution.

Up & Down

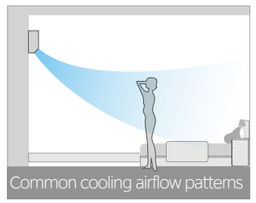


Right & Left

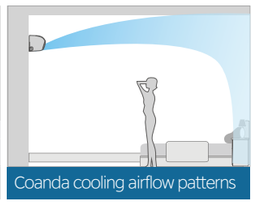
*Horizontal swing function on wall-mount units available as customized option.

Bi-directional coanda airflow

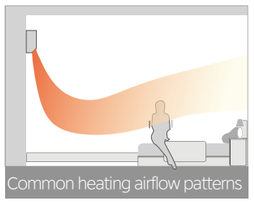
With bi-directional Coanda airflow delivery technology, the cold air does not blow directly on people and the hot air warms up evenly from the feet for better comfort.



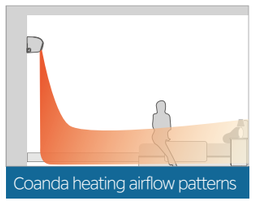
Common cooling airflow patterns



Coanda cooling airflow patterns



Common heating airflow patterns

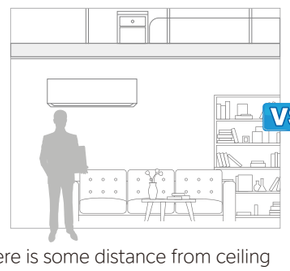


Coanda heating airflow patterns

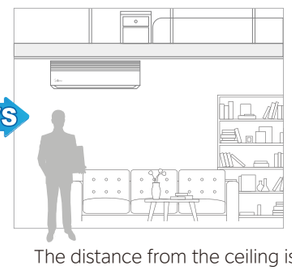
EASY INSTALLATION

Ceiling-adjacent mounting

The newly-designed heat exchanger in our wall-mount unit allows for high-on-wall installation, with the unit positioned as close as 3cm from the ceiling. This creates a sense of additional spaciousness in the room.



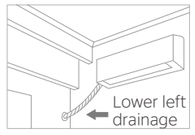
There is some distance from ceiling

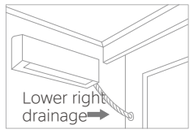


The distance from the ceiling is 3cm

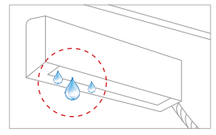
Multi-directional drainage

The multi-directional drainage function allows condensate to be expelled in various directions—upward, downward, or horizontally. This feature offers flexibility in unit placement and installation.





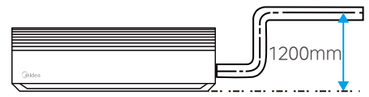
Conventional wall-mount units do not include a drain pump and simply rely on gravity, limiting the placement of the condensate pipe to directly under the unit.



When the condensate pipe is blocked, water can drip down onto the floor below, potentially causing

High-lift drain pump*

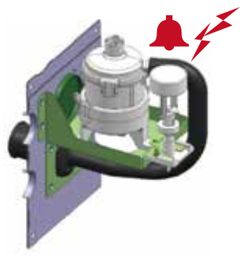
Drain pump features a 1200mm raised height, simplifying installation while enabling efficient drainage of condensation from the indoor unit.



*The drain pump is available as a customization option.

Drain-pump fault alert

Provides early warning of a 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 deactivated at night, creating a darker environment for sleep.

Digital display

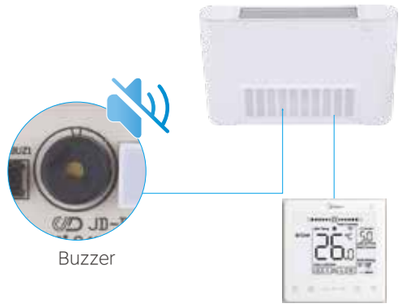
Quiet operation

The DC-powered fan motor and water pump enable quieter, more energy-efficient operation compared to AC-powered units, ensuring a tranquil and comfortable indoor environment.

Fan Motor

Alert beep on/off

Indoor unit alert beeps can be deactivated to prevent any unwanted disturbance



Buzzer

Multiple fan speeds

7 fan-speed options let you customize comfort settings based on indoor conditions and user preference.

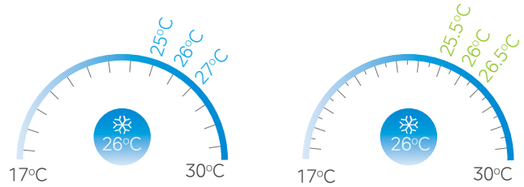
HEALTH

Air filter monitoring

The built-in machine learning technology can detect the real-time resistance of the filter screen. It displays the degree of blockage on the controller, ranging from 10% to 100%, to alert technicians when maintenance is required.

0.5°C/1°C Increment temperature adjustment

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



WIDER APPLICATION

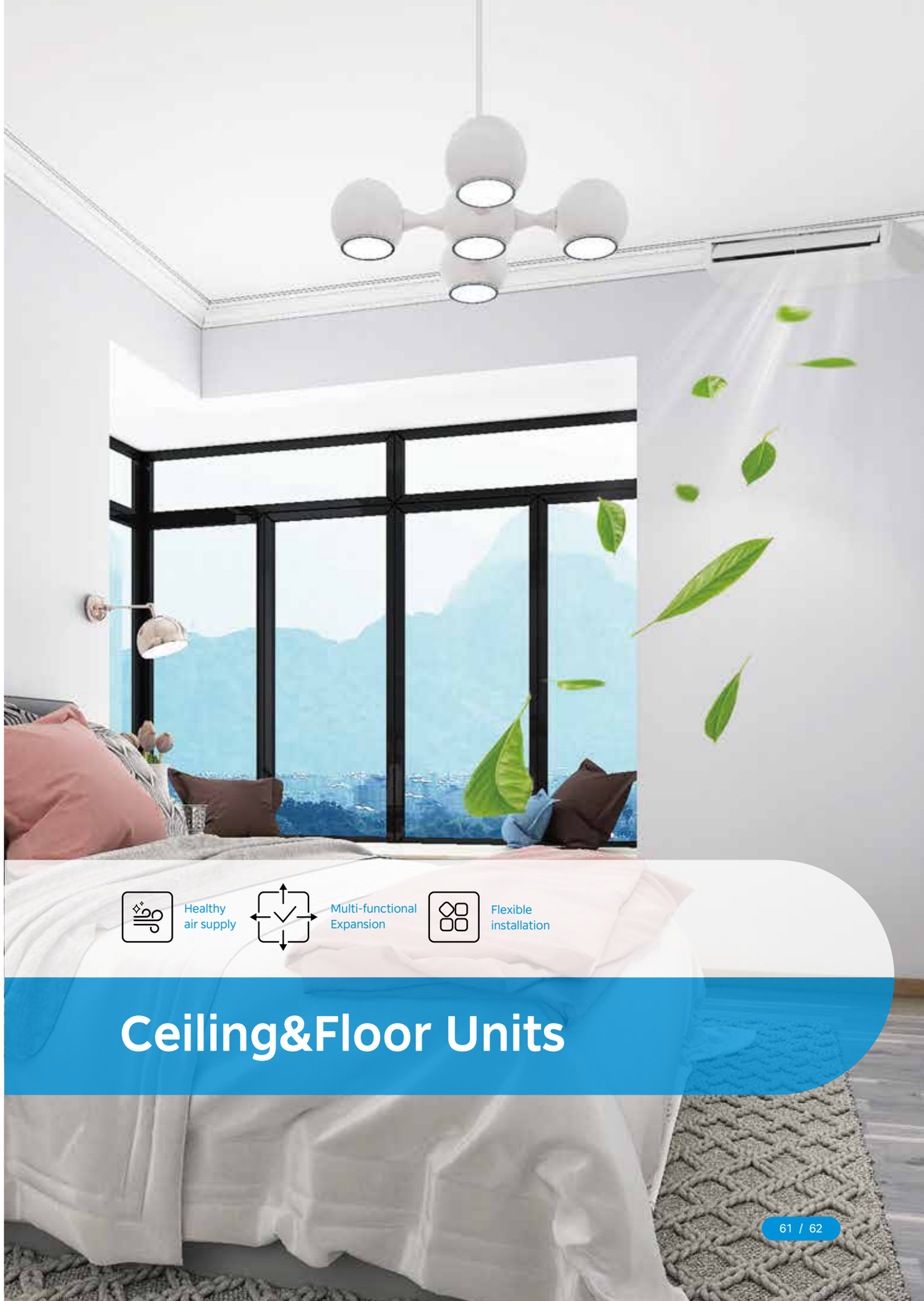
Multiple design styles

Floor Standing units come in 3 design styles to meet different aesthetic and design requirements.

F3 (concealed)

F4 (front air intake)

F5 (underside air intake)



Feature

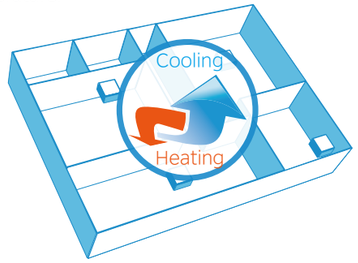
Flexible, 2-way installation

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.

Auto cooling/heating changeover

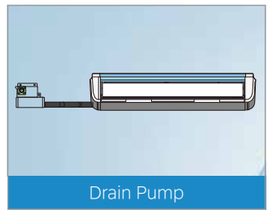
Automatically switches between cooling and heating modes as needed to efficiently reach the set temperature.



Quiet operation

The DC-powered fan motor and water pump* enable quieter, more energy-efficient operation compared to AC-powered units, ensuring a tranquil and comfortable indoor environment.


Fan Motor


Drain Pump

*External drain Pump available as customized option.

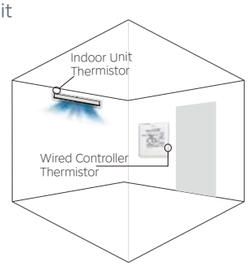
Multi-step vertical swing

5-step, louver vertical-swing feature with automatic setting, uniformly distributes airflow at a wide 35-65° angle for more consistent temperature control.

7 fan speeds

Dual-thermistor control

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



Compact design

Flexible installation

Healthy air supply

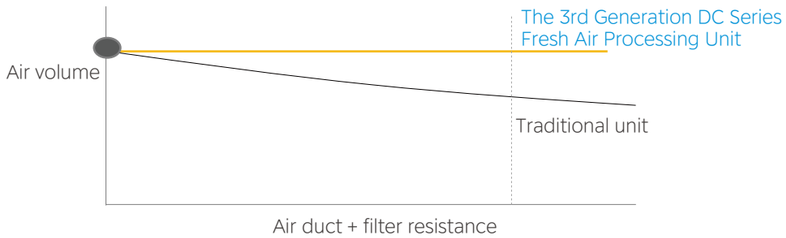
Constant air volume

Fresh Air Processing Duct

AIR FLOW

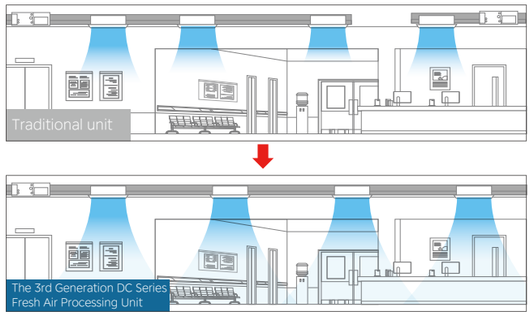
Constant airflow

By utilizing digital fan technology, air volume output levels are monitored and maintained at consistent levels. This capability allows it to overcome installation challenges without experiencing any reduction in performance, even with prolonged use.



Ultra-high static pressure

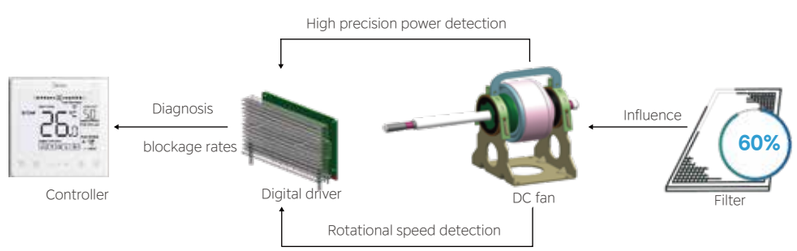
The unit can achieve static pressures of up to 400Pa, allowing for longer air supply distances. This is particularly beneficial in long and narrow spaces like corridors, while also reducing the total number of units needed and saving on capital costs.



HEALTH

Air filter monitoring

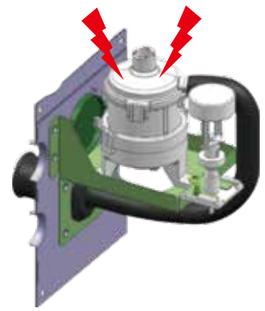
The built-in machine learning technology can detect the real-time resistance of the filter screen. It displays the degree of blockage on the controller, to alert technicians when maintenance is required.



WIDER APPLICATION

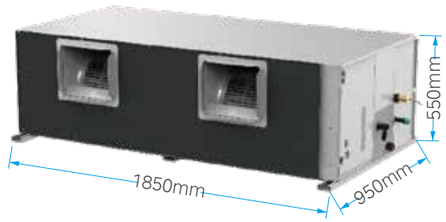
Digital DC water-pump monitor

Actively monitors pump speed and water flow, issuing alerts if leakages, jamming or other attenuation is detected.



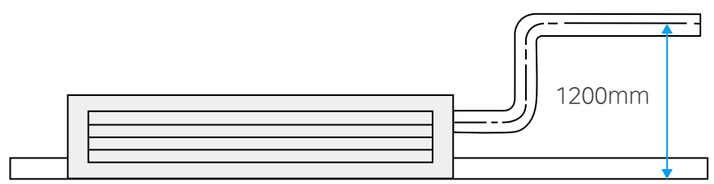
Ultra-thin profile

Our Fresh Air Processing Duct (20-56kW) features a low profile of just 550mm, reducing the amount of ceiling space required for installation and providing increased flexibility in placement.



High-lift drain pump

Drain pump features a 1200mm raised height, simplifying installation while enabling efficient drainage of condensation from the indoor unit



Compact design

Flexible installation

Healthy air supply

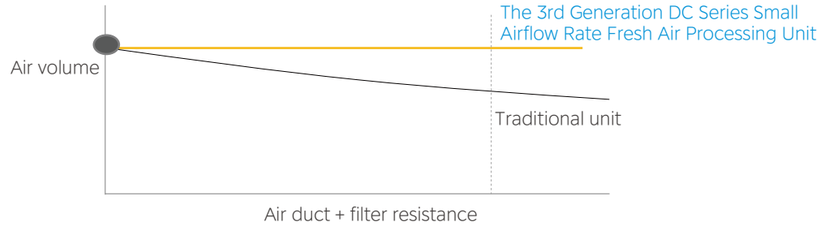
Constant air volume

Small Airflow Rate Fresh Air Processing Duct

AIR FLOW

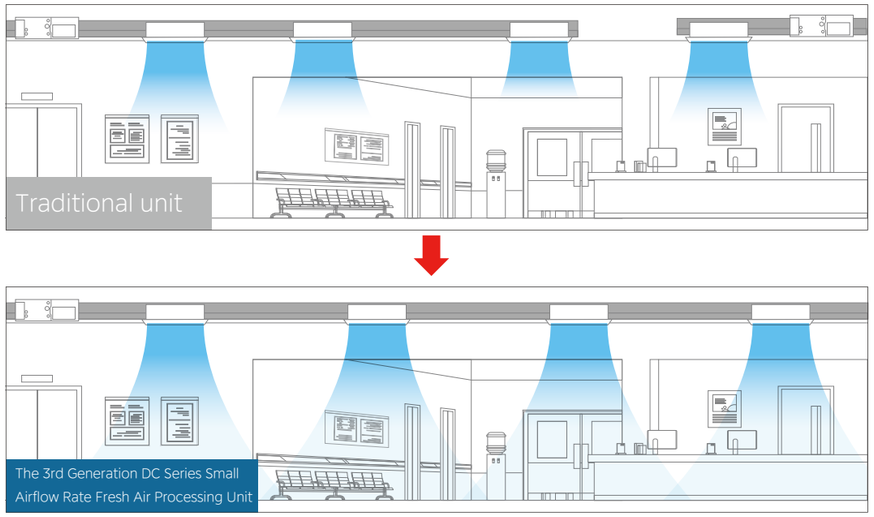
Constant airflow

By utilizing digital fan technology, air volume output levels are monitored and maintained at consistent levels. This capability allows it to overcome installation challenges without experiencing any reduction in performance, even with prolonged use.



Ultra-high static pressure

The unit can achieve static pressures of up to 300Pa, allowing for longer air supply distances. This is particularly beneficial in long and narrow spaces like corridors, while also reducing the total number of units needed and saving on capital costs.



HEALTH

Air filter monitoring

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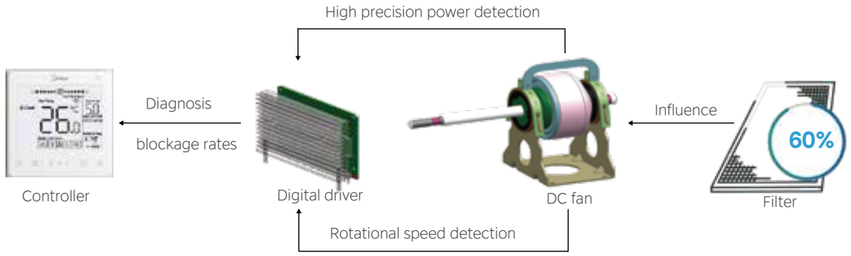
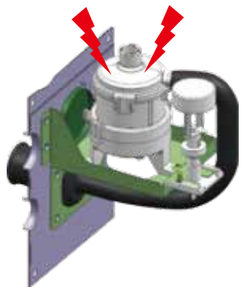


WIDER APPLICATION

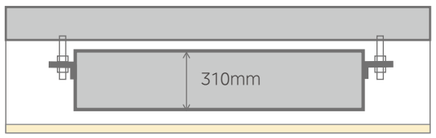
Digital DC water-pump monitor

Actively monitors pump speed and water flow, issuing alerts if leakages, jamming or other attenuation is detected.



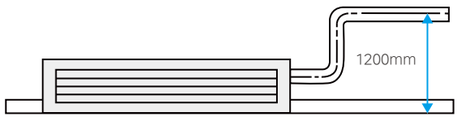
Ultra-thin profile

Our Fresh Air Processing Duct (9-28kW) features a low profile of just 310mm, reducing the amount of ceiling space required for installation and providing increased flexibility in placement.



High-lift drain pump

Drain pump features a 1200mm raised height, simplifying installation while enabling efficient drainage of condensation from the indoor unit.



Compact design

Healthy air supply

Energy Saving

The 3rd Generation DC Series HRV

Features

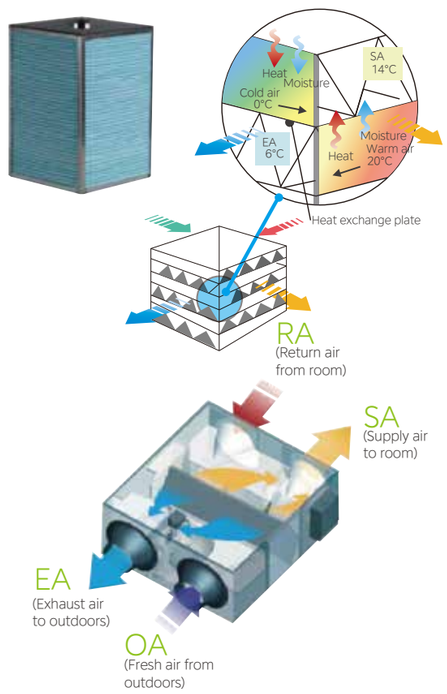
Wide capacity range

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

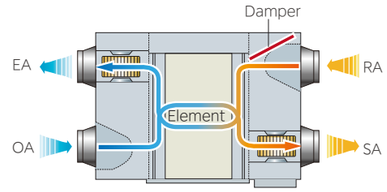
The heat recovery ventilator (HRV) can greatly reduce energy loss and room temperature fluctuations caused by the ventilation process. The Midea HRV's strong performance is a result of the advanced technology incorporated into its design. The heat exchanger core is made of specially filter material which 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

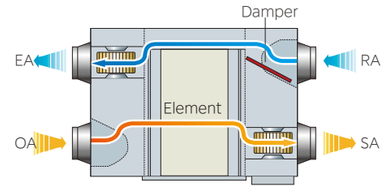
Multiple operation modes: Auto, Bypass, Heat recovery, Free cooling mode.

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.



Heat exchange mode

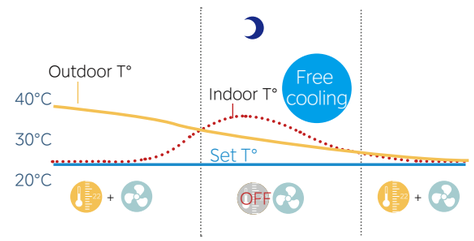
Bypass mode
In mild climates or seasons, where temperature and humidity differences between indoors and outdoors are small, the HRV can work as a conventional ventilation fan. In standard bypass mode the supply and exhaust fans run at the same speed.



Bypass mode

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

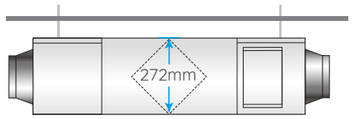
Standard Built-in G4-class dust filter, optional F7-class filter for air supply side and M5-class filter for exhaust air side in line with EU legislations can be customized.

F7-class filter

M5-class filter

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*

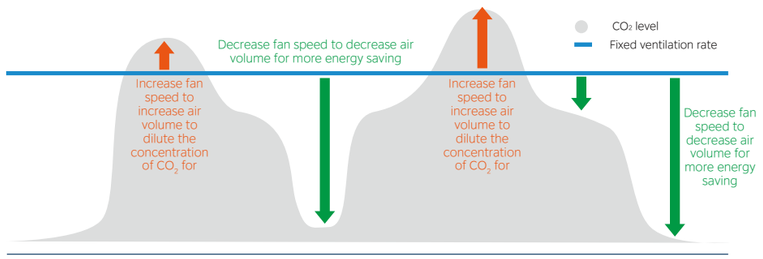
IMMPRO II

TC3-10.1

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

CO_2 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.



Compact design

Healthy air supply

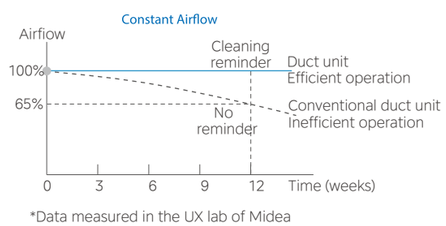
Energy Saving

Floor-Standing Units (FS)

AIR FLOW

Constant airfiow*

By utilizing digital fan technology, air volume output levels are monitored and maintained at consistent levels. This capability allows it to overcome installation challenges without experiencing any reduction in performance, even with prolonged use.

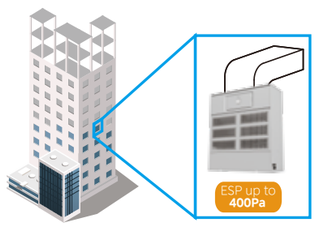


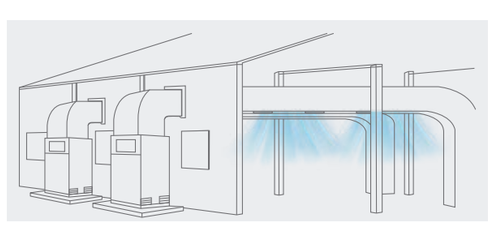
*Data measured in the UX lab of Midea

*Only the top discharge type units supports the constant airfow function.

High external static pressure

With a static pressure of 400Pa, top discharge type units can be connected to a air duct, which increases the fiexibility of choosing the installation point of the equipment.

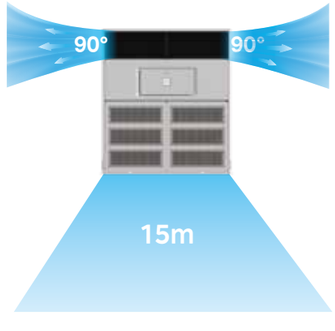




*Only the top discharge type units have external static pressure. The maximum static pressure for outdoor installation is 350Pa.

Large angle of wind

High efficiency fan, large air supply, large angle air, fast temperature control.



Easy Installation and Service

Flexible installation location

Flexible installation location, indoor and outdoor can be installed, Waterproof grade is IPX4, which is safer and more reliable.

*Outdoor installation needs to be customized.

More reliable drainage

Optional 6m drain pump*, to meet most of the plants and other industrial areas on the top of the drainage requirements. 5-21L drain pan, to ensure that the extreme working conditions and failures do not overfiow.

*The drain pump is available as a customization option

High Effciency

Full DC electronic components

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

Specifications

One-Way Cassette

Model name			MIH18Q1HN18	MIH22Q1HN18	MIH28Q1HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	1.8	2.2	2.8
		kBtu/h	6.1	7.5	9.6
	Input	W	25	25	30
Heating[2]	Capacity	kW	2.2	2.6	3.2
		kBtu/h	7.5	8.9	10.9
	Input	W	25	25	30
Airflow rate[3]		m^3/h	380/355/330/ 300/286/263/240	380/355/330/ 300/286/263/240	460/440/410/ 380/355/330/300
Sound pressure leve[4]		dB(A)	30/28/27/26/25/24/22	30/28/27/26/25/24/22	37/36/35/34/32/31/30
Sound power level		dB(A)	44/42/41/40/39/38/36	44/42/41/40/39/38/36	51/50/49/48/46/45/44
Indoor unit	Net dimensions[5] (W×H×D)	mm	1054×153×428	1054×153×428	1054×153×428
	Net dimensions (no water tray) (W×H×D)	mm	1054×141×428	1054×141×428	1054×141×428
	Packed dimensions (W×H×D)	mm	1155×245×490	1155×245×490	1155×245×490
	Net/Gross weight	kg	11.5/14.5	11.5/14.5	11.8/14.8
Panel	Net dimensions (W×H×D)	mm	1180×25×465	1180×25×465	1180×25×465
	Packed dimensions (W×H×D)	mm	1232×107×517	1232×107×517	1232×107×517
	Net/Gross weight	kg	3.5/4.7	3.5/4.7	3.5/4.7
Refrigerant type			R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25

Model name			MIH36Q1HN18	MIH45Q1HN18	MIH56Q1HN18	MIH71Q1HN18
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	3.6	4.5	5.6	7.1
		kBtu/h	12.3	15.4	19.1	24.2
	Input	W	30	40	48	60
Heating[2]	Capacity	kW	4.0	5.0	6.3	8.0
		kBtu/h	13.6	17.1	21.5	27.3
	Input	W	30	40	48	60
Airflow rate[3]		m^3/h	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 leve[4]		dB(A)	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)	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	1054×153×428	1275×189×452	1275×189×452
	Net dimensions (no water tray) (W×H×D)	mm	1054×141×428	1054×141×428	1275×176×452	1275×176×452
	Packed dimensions (W×H×D)	mm	1155×245×490	1155×245×490	1370×295×505	1370×295×505
	Net/Gross weight	kg	11.8/14.8	15.8/20.2	15.8/20.2	16.9/21.4
Panel	Net dimensions (W×H×D)	mm	1180×25×465	1180×25×465	1350×25×505	1350×25×505
	Packed dimensions (W×H×D)	mm	1232×107×517	1232×107×517	1410×95×560	1410×95×560
	Net/Gross weight	kg	3.5/4.7	3.5/4.7	4/5.6	4/5.6
Refrigerant type			R410A/R32	R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25

Notes:
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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
6. These products are under development and the specifications are always subject to change.

New One-Way Cassette

Model name			MIH18Q1HN18(A)	MIH22Q1HN18(A)	MIH28Q1HN18(A)	MIH36Q1HN18(A)
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	1.8	2.2	2.8	3.6
		kBtu/h	6.1	7.5	9.6	12.3
	Power Input	W	15	19	27	29
Heating[2]	Capacity	kW	2.0	2.5	3.2	4.0
		kBtu/h	7.5	8.9	10.9	13.6
	Power Input	W	15	19	27	29
Airflow rate[3]		m^3/h	300/283/266/ 250/233/216/200	400/375/350/ 325/300/275/250	550/516/483/ 450/416/383/350	550/516/483/ 450/416/383/350
Sound pressure leve[4]		dB(A)	28/27/26/25/24/23/23	32/30/29/28/27/26/25	33/31/30/29/27/26/25	36/34/33/32/30/29/28
Sound power level		dB(A)	35/34/33/32/31/30/29	43/42/39/37/35/33/31	45/44/43/41/39/37/35	48/46/44/42/40/38/36
Indoor unit	Net dimensions[5] (W×H×D)	mm	700×130×425	700×130×425	900×130×425	900×130×425
	Packed dimensions (W×H×D)	mm	880×225×510	880×225×510	1080×225×510	1080×225×510
	Net/Gross weight	mm	9.6/11.9	9.6/11.9	11.2/13.8	12.2/14.7
Panel	Net dimensions (W×H×D)	mm	980×64×475	980×64×475	1180×64×475	1180×64×475
	Packed dimensions (W×H×D)	mm	1070×100×560	1070×100×560	1270×100×560	1270×100×560
	Net/Gross weight	kg	2.4/3.7	2.4/3.7	3/4.6	3/4.6
Refrigerant type			R410A/R32	R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25

Model name			MIH45Q1HN18(A)	MIH56Q1HN18(A)	MIH71Q1HN18(A)
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	30	40	52
Heating[2]	Capacity	kW	5.0	6.3	8.0
		kBtu/h	17.1	21.5	27.3
	Power Input	W	30	40	52
Airflow rate[3]		m^3/h	850/791/733/675/616/558/500	1000/941/883/825/766/708/650	1050/1000/950/900/850/800/750
Sound pressure leve[4]		dB(A)	39/37/36/35/34/33/32	45/43/42/40/39/37/36	47/45/44/43/42/41/40
Sound power level		dB(A)	49/47/45/43/41/39/37	55/53/51/49/47/45/43	56/55/54/52/50/48/46
Main body	Net dimensions[5] (W×H×D)	mm	1200×130×425	1200×130×425	1200×130×425
	Packed dimensions (W×H×D)	mm	1280×225×510	1280×225×510	1280×225×510
	Net/Gross weight	kg	14.3/17.7	15.5/18.8	15.5/18.8
Panel	Net dimensions (W×H×D)	mm	1480×64×475	1480×64×475	1480×64×475
	Packed dimensions (W×H×D)	mm	1570×100×560	1570×100×560	1570×100×560
	Net/Gross weight	kg	3.8/5.5	3.8/5.5	3.8/5.5
Refrigerant type			R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25

Notes:
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. 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 1.4m below the unit in a anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications

Two-Way Cassette

Model name			MIH22Q2HN18	MIH28Q2HN18	MIH36Q2HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	2.2	2.8	3.6
		kBtu/h	7.5	9.6	12.3
	Power Input	W	35	40	40
Heating[2]	Capacity	kW	2.6	3.2	4
		kBtu/h	8.9	10.9	13.6
	Power Input	W	35	40	40
Airflow rate[3]		m^3/h	488/449/410 654/612/571/530/	488/449/410 654/612/571/530/	554/509/458 725/679/641/591/
Sound pressure leve[4]		dB(A)	33/31/30/29/27/25/24	33/31/30/29/27/25/24	35/33/32/30/29/27/25
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
Indoor unit	Net dimensions[5] (W×H×D)	mm	1172×299×591	1172×299×591	1172×299×591
	Packed dimensions (W×H×D)	mm	1355×400×675	1355×400×675	1355×400×675
	Net/Gross weight	kg	29.7/36.3	29.7/36.3	29.7/36.3
Panel	Net dimensions (W×H×D)	mm	1430×53×680	1430×53×680	1430×53×680
	Packed dimensions (W×H×D)	mm	1525×130×765	1525×130×765	1525×130×765
	Net/Gross weight	kg	11/15	11/15	11/15
Refrigerant type			R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32

Model name			MIH45Q2HN18	MIH56Q2HN18	MIH71Q2HN18
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	50	69	98
Heating[2]	Capacity	kW	5	6.3	8
		kBtu/h	17.1	21.5	27.3
	Power Input	W	50	69	98
Airflow rate[3]		m^3/h	631/592/550 850/792/731/670/	755/702/670 980/925/855/800/	000/921/808/770 1200/1115/1068/1
Sound pressure leve[4]		dB(A)	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)	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	1172×299×591	1172×299×591
	Packed dimensions (W×H×D)	mm	1355×400×675	1355×400×675	1355×400×675
	Net/Gross weight	kg	31.6/38.2	31.6/38.2	31.6/38.2
Panel	Net dimensions (W×H×D)	mm	1430×53×680	1430×53×680	1430×53×680
	Packed dimensions (W×H×D)	mm	1525×130×765	1525×130×765	1525×130×765
	Net/Gross weight	kg	11/15	11/15	11/15
Refrigerant type			R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32

Notes:
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. 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 1.4m below the unit in a anechoic chamber.
5. 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.

Compact Four-Way Cassette

Model name			MIH15Q4CHN18	MIH22Q4CHN18	MIH28Q4CHN18	MIH36Q4CHN18
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	1.5	2.2	2.8	3.6
		kBtu/h	5.1	7.5	9.6	12.3
	Power Input	W	14	14	16	18
Heating[2]	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
Airflow rate[3]		m^3/h	450/425/400/ 370/345/320/295	450/425/400/ 370/345/320/295	510/480/455/ 425/395/370/340	530/500/470/ 440/405/375/345
Sound pressure leve[4]		dB(A)	29/28/27/27/26/26/25	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	40/39/39/39/38/38/38	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	575×235×638	575×235×638	575×235×638
	Packed dimensions (W×H×D)	mm	690×285×690	690×285×690	690×285×690	690×285×690
	Net/Gross weight	kg	13.0/15.5	13.0/15.5	13.0/15.5	14.0/16.5
Panel	Net dimensions (W×H×D)	mm	620×65×620	620×65×620	620×65×620	620×65×620
	Packed dimensions (W×H×D)	mm	680×80×665	680×80×665	680×80×665	680×80×665
	Net/Gross weight	kg	2.3/3.0	2.3/3.0	2.3/3.0	2.3/3.0
Refrigerant type			R410A/R32	R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25

Model name			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
Airflow 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 leve[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	575×235×638	575×235×638
	Packed dimensions (W×H×D)	mm	690×285×690	690×285×690	690×285×690
	Net/Gross weight	kg	14.0/16.5	15.0/17.5	15.0/17.5
Panel	Net dimensions (W×H×D)	mm	620×65×620	620×65×620	620×65×620
	Packed dimensions (W×H×D)	mm	680×80×665	680×80×665	680×80×665
	Net/Gross weight	kg	2.3/3.0	2.3/3.0	2.3/3.0
Refrigerant type			R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25

Notes:
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. 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. 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.
6. Exposed height of the panel after being installed on the ceiling.

Specifications

Four-Way Cassette

Model name			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
Airflow rate[3]		m^3/h	790/740/691/641/591/542/492	790/740/691/641/591/542/492
Sound pressure leve[4]		dB(A)	30/29/28/27.5/27/26/25	30/29/28/27.5/27/26/25
Sound power level		dB(A)	44/43/42/42/41/40/39	44/43/42/42/41/40/39
Main body	Net dimensions[5] (W×H×D)	mm	840×204×840	840×204×840
	Packed dimensions (W×H×D)	mm	940×250×940	940×250×940
	Net/Gross weight	mm	18/20.8	18/20.8
Panel	Net dimensions (W×H×D)	mm	950×53×950	950×53×950
	Packed dimensions (W×H×D)	mm	1030×95×1030	1030×95×1030
	Net/Gross weight	kg	5.6/8.0	5.6/8.0
Refrigerant type			R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25

Model name			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
Airflow rate[3]		m^3/h	910/840/770/701/631/561/491	840/791/741/692/642/593/543	1000/943/886/829/772/715/658
Sound pressure leve[4]		dB(A)	37/35/34/32/30/29/27	33/32/31/30/29/28/27	37/36/34/33/31/30/28
Sound power level		dB(A)	52/51/49/47/45/43/40	49/48/47/47/46/45/44	52/51/50/48/47/45/44
Main body	Net dimensions[5] (W×H×D)	mm	840×204×840	840×204×840	840×204×840
	Packed dimensions (W×H×D)	mm	940×250×940	940×250×940	940×250×940
	Net/Gross weight	kg	18/20.8	19.5/22.4	19.5/22.4
Panel	Net dimensions (W×H×D)	mm	950×53×950	950×53×950	950×53×950
	Packed dimensions (W×H×D)	mm	1030×95×1030	1030×95×1030	1030×95×1030
	Net/Gross weight	kg	5.6/8.0	5.6/8.0	5.6/8.0
Refrigerant type			R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25

Notes:
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. 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. 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.
6. Exposed height of the panel after being installed on the ceiling.

Four-Way Cassette

Model name			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
Airflow rate[3]		m^3/h	1100/1019/939/858/777/697/616	1330/1239/1148/1057/965/874/783	1470/1360/1250/1141/1031/921/811
Sound pressure leve[4]		dB(A)	42.5/40/38/36/34/32/30	38/37/35/34/32/31/29	43/41/40/38/36/35/33
Sound power level		dB(A)	57/55/53/51/49/47/45	55/54/52/51/50/48/47	58/57/55/53/51/49/47
Main body	Net dimensions[5] (W×H×D)	mm	840×204×840	840×246×840	840×246×840
	Packed dimensions (W×H×D)	mm	940×250×940	940×295×940	940×295×940
	Net/Gross weight	kg	19.5/22.4	21.5/25.4	21.5/25.4
Panel	Net dimensions (W×H×D)	mm	950×53×950	950×53×950	950×53×950
	Packed dimensions (W×H×D)	mm	1030×95×1030	1030×95×1030	1030×95×1030
	Net/Gross weight	kg	5.6/8.0	5.6/8.0	5.6/8.0
Refrigerant type			R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25

Model name			MIH112Q4HN18	MIH140Q4HN18	MIH160Q4HN18	MIH180Q4HN18
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	11.2	14.0	16.0	18.0
		kBtu/h	38.2	47.8	54.6	61.4
	Power Input	W	61.0	118.0	110.0	145.0
Heating[2]	Capacity	kW	12.5	16.0	18.0	20.0
		kBtu/h	42.7	54.6	61.4	68.2
	Power Input	W	61.0	118.0	110.0	145.0
Airflow rate[3]		m^3/h	1600/1497/1393/1290/ 1186/1083/979	1900/1787/1673/1560/ 1446/1333/1219	2100/1900/1760/1630/ 1500/1380/1270	2300/2140/1960/1770/ 1600/1430/1270
Sound pressure leve[4]		dB(A)	41/40/38/37/36/34/33	47.5/46/44/42/40/38/36.5	48/46/44/43/41/39/37	52/49/47/45/42/39/38
Sound power level		dB(A)	57/56/55/54/53/52/51	64/63/61/60/58/56/54	57/56/54/52/50/47/46	60/58/56/54/52/49/46
Main body	Net dimensions[5] (W×H×D)	mm	840×288×840	840×288×840	950×300×950	950×300×950
	Packed dimensions (W×H×D)	mm	940×335×940	940×335×940	1050× 350×1050	1050× 350×1050
	Net/Gross weight	kg	24/27.7	24/27.7	32.6/37.2	32.7/37.3
Panel	Net dimensions (W×H×D)	mm	950×53×950	950×53×950	1050×55×1050	1050×55×1050
	Packed dimensions (W×H×D)	mm	1030×95×1030	1030×95×1030	1115×100×1115	1115×100×1115
	Net/Gross weight	kg	5.6/8.0	5.6/8.0	7.4/9.7	7.4/9.7
Refrigerant type			R410A/R32	R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ19.1
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25

Notes:
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. 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. 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.
6. Exposed height of the panel after being installed on the ceiling.

Specifications

Arc Duct

Model name			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
Airflow 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)	10 (10-50)
Sound pressure leve[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[5] (W×H×D)	mm	550×199×450	550×199×450
	Packed dimensions (W×H×D)	mm	715×255×525	715×255×525
	Net/Gross weight	kg	11.5/13.5	11.5/13.5
Refrigerant type			R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25

Model name			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
Airflow 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)	10 (10-50)	10 (10-50)
Sound pressure leve[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	50.5/49.5/48/47/45.5/44.5/43	52/50.5/49/47.5/46/44.5/43
Unit	Net dimensions[5] (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	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25

Notes:
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 1.5m 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.

Arc Duct

Model name			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
Airflow 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 leve[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[5] (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	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25

Model name			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
Airflow 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)	20(10-80)
Sound pressure leve[4]		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[5] (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	28/32.5
Refrigerant type			R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25

Notes:
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 1.5m 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.

Specifications

Medium Static Pressure Duct

Model name			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
Airflow 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)	30 (10-160)	30 (10-160)
Sound pressure leve[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[5] (W×H×D)	mm	600×245×750	600×245×750	600×245×750
	Packed dimensions (W×H×D)	mm	765×305×885	765×305×885	765×305×885
	Net/Gross weight	kg	18.5/21	18.5/21	18.5/21
Refrigerant type			R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25

Model name			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
Airflow 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)	30 (10-160)	30 (10-160)
Sound pressure leve[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[5] (W×H×D)	mm	600×245×750	600×245×750	800×245×750
	Packed dimensions (W×H×D)	mm	765×305×885	765×305×885	965×305×885
	Net/Gross weight	kg	18.5/21	19.5/22	24/27.5
Refrigerant type			R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25

Notes:
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 1.5m below the unit in a semi-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

Medium Static Pressure Duct

Model name			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
Airflow 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 leve[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[5] (W×H×D)	mm	800×245×750	1050×245×750	1050×245×750
	Packed dimensions (W×H×D)	mm	965×305×885	1215×305×885	1215×305×885
	Net/Gross weight	kg	25/28.5	30/34.0	31/35.0
Refrigerant type			R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25

Model name			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
Airflow rate[3]		m^3/h	1950/1817/1683/ 1550/1417/1283/1150	2105/1971/1837/ 1703/1568/1434/1300	2350/2160/2015/ 1871/1776/1533/1400
External static pressure[4]		Pa	40 (10-160)	50 (10-160)	50 (10-160)
Sound pressure leve[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	Net dimensions[5] (W×H×D)	mm	1400×245×750	1400×245×750	1400×245×750
	Packed dimensions (W×H×D)	mm	1565×305×885	1565×305×885	1565×305×885
	Net/Gross weight	kg	37/42.0	39/44.0	39/44.0
Refrigerant type			R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25

Notes:
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 1.5m 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.

Specifications

High Static Pressure Duct

Model name			MIH56T1HN18	MIH71T1HN18	MIH80T1HN18	MIH90T1HN18
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	5.6	7.1	8	9
		kBtu/h	19.1	24.2	27.3	30.7
	Power Input	W	159	159	159	196
Heating[2]	Capacity	kW	6.3	8	9	10
		kBtu/h	21.5	27.3	30.7	34.1
	Power 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)	80(0-250)	80(0-250)	80(0-250)
Sound pressure leve[4]		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[5] (W×H×D)	mm	1050×299×750	1050×299×750	1050×299×750	1050×299×750
	Packed dimensions (W×H×D)	mm	1215×359×890	1215×359×890	1215×359×890	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	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25

Model name			MIH112T1HN18	MIH125T1HN18	MIH140T1HN18	MIH160T1HN18
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	11.2	12.5	14	16
		kBtu/h	38.2	42.7	47.8	54.6
	Power Input	W	248	252	284	339
Heating[2]	Capacity	kW	12.5	14	16	18
		kBtu/h	42.7	47.8	54.6	61.4
	Power 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)	80(0-250)	100(0-250)	100(0-250)
Sound pressure leve[4]		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[5] (W×H×D)	mm	1400×299×750	1400×299×750	1400×299×750	1400×299×750
	Packed dimensions (W×H×D)	mm	1565×359×890	1565×359×890	1565×359×890	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	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25

Notes:
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 1.5m below the unit in a semi-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

High Static Pressure Duct

Model name			MIH200T1HN18	MIH224T1HN18	MIH252T1HN18	MIH280T1HN18
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	20	22.4	25.2	28
		kBtu/h	68.3	76.5	86.0	95.6
	Power Input	W	780	780	780	780
Heating[2]	Capacity	kW	22.5	25	26	31.5
		kBtu/h	76.8	85.3	88.7	107.5
	Power 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)	200(0-400)	200(0-400)	200(0-400)
Sound pressure leve[4]		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[5] (W×H×D)	mm	1300×580×900	1300×580×900	1300×580×900	1300×580×900
	Packed dimensions (W×H×D)	mm	1530×730×1060	1530×730×1060	1530×730×1060	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	Φ9.52/Φ19.1	Φ12.7/Φ22.2	Φ12.7/Φ22.2
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32

Model name			MIH335T1HN18	MIH400T1HN18	MIH450T1HN18	MIH560T1HN18
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	33.5	40	45	56
		kBtu/h	114.3	136.5	153.6	191.1
	Power Input	W	810	1850	1850	2030
Heating[2]	Capacity	kW	38	45	56	63
		kBtu/h	129.7	153.6	191.1	215.0
	Power 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)	200(0-400)	300(0-400)	300(0-400)
Sound pressure leve[4]		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[5] (W×H×D)	mm	1300×580×900	1850×580×900	1850×580×900	1850×580×900
	Packed dimensions (W×H×D)	mm	1530×730×1060	2080×730×1060	2080×730×1060	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	Φ12.7/Φ25.4	Φ15.9/Φ28.6	Φ15.9/Φ28.6
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32

Notes:
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 a 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(section)

Model name			MIH180T1HN18(S)	MIH200T1HN18(S)	MIH224T1HN18(S)
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	18	20	22.4
		kBtu/h	61.4	68.2	76.4
	Input	W	520	560	600
Heating[2]	Capacity	kW	20	23.5	25
		kBtu/h	68.24	80.19	85.30
	Input	W	520	560	600
Airflow rate[3]		m^3/h	4100/3872/3644/3689 /2961/2733	4250/4014/3778/3542 /3306/3070/2833	4400/4156/3911/3667 /3422/3178/2933
External static pressuree[4]		pa	150(50~280)	150(50~280)	150(50~280)
Sound pressure leve[5]		dB(A)	47/45/43/41/39/37/36	47.5/46/44/42/40/38/37	49/47/45/43/41/39/38
Sound power level		dB(A)	67/65/63/61/59/57/56.5	67.5/66/64/62/60/58/57	68/66/64/62/60/60.5/59/58
Unit	Net dimensions[6] (W×H×D)	mm	1300x477x910	1300x477x910	1300x477x910
	Packed dimensions (W×H×D)	mm	1580x650x1090	1580x650x1090	1580x650x1090
	Net/Gross weight	kg	79.5/117.5	79.5/117.5	82/120
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ19	Φ9.52/Φ19	Φ9.52/Φ19
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32

Model name			MIH252T1HN18(S)	MIH280T1HN18(S)
Power supply			1-phase, 220-240V, 50/60Hz	
Cooling[1]	Capacity	kW	25.2	28
		kBtu/h	86.0	95.5
	Input	W	700	840
Heating[2]	Capacity	kW	26	31.5
		kBtu/h	88.72	107.48
	Input	W	700	840
Airflow rate[3]		m^3/h	4800/4533/4267/4000 /3733/3467/3200	5200/4911/4622/4333 /4044/3756/3467
External static pressuree[4]		pa	150(50~280)	150(50~280)
Sound pressure leve[5]		dB(A)	50/48/46/44/42.5/41/40	51/49/47/45/43.5/42/41
Sound power level		dB(A)	69.5/68/66/64/62/60/59	70.5/69/67/65/63/61/60
Unit	Net dimensions[6] (W×H×D)	mm	1300x477x910	1300x477x910
	Packed dimensions (W×H×D)	mm	1580x650x1090	1580x650x1090
	Net/Gross weight	kg	82/120	82/120
Pipe connections	Liquid/Gas pipe	mm	Φ12.7/Φ22	Φ12.7/Φ22
	Drain pipe	mm	OD Φ32	OD Φ32

Notes:
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 a semi-anechoic chamber.
6. Unit body dimensions given are the largest external dimensions of the unit, no including hanger attachments.

Wall-Mounted Units

Model name			MIH15GHN18	MIH22GHN18	MIH28GHN18	MIH36GHN18
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	1.5	2.2	2.8	3.6
		kBtu/h	5.1	7.5	9.6	12.3
	Power Input	W	18	21	24	27
Heating[2]	Capacity	kW	1.7	2.4	3.2	4
		kBtu/h	5.8	8.2	10.9	13.6
	Power Input	W	18	21	24	27
Airflow 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 leve[4]		dB(A)	32/31/30/30/29/28/27	33/32/31/30/29/28/27	35/34/33/32/31/30/28	37/36/34/33/31/30/28
Sound power level		dB(A)	45/44/43/43/42/41/40	46/45/44/43/42/41/40	50/49/48/47/46/44/42	54/53/51/50/48/46/44
Unit	Net dimensions[5] (W×H×D)	mm	750×295×265	750×295×265	750×295×265	750×295×265
	Packed dimensions (W×H×D)	mm	875×385×360	875×385×360	875×385×360	875×385×360
	Net/Gross weight	kg	9/11.5	9/11.5	10/12.5	10/12.5
Refrigerant type			R410A/R32	R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ16	OD Φ16	OD Φ16	OD Φ16

Model name			MIH45GHN18	MIH56GHN18	MIH71GHN18	MIH80GHN18
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	4.5	5.6	7.1	8
		kBtu/h	15.4	19.1	24.2	27.3
	Power Input	W	30	40	50	65
Heating[2]	Capacity	kW	5	6.3	8	9
		kBtu/h	17.1	21.5	27.3	30.7
	Power Input	W	30	40	50	65
Airflow 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 leve[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	R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ16	OD Φ16	OD Φ16	OD Φ16

Notes:
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. 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 0.8m below the unit in an anechoic chamber.
5. 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 Units

Model name			MIH22F3HN18	MIH28F3HN18	MIH36F3HN18	MIH45F3HN18	MIH56F3HN18	MIH71F3HN18	MIH80F3HN18
Power supply			1-phase, 220-240V, 50/60Hz						
Cooling[1]	Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1	8
		kBtu/h	7.5	9.6	12.3	15.4	19.1	24.2	27.3
	Input	W	35	35	40	44	45	53	62
Heating[2]	Capacity	kW	2.4	3.2	4.0	5.0	6.3	8.0	9.0
		kBtu/h	8.2	10.9	13.7	17.1	21.5	27.3	30.7
	Input	W	35	35	41	46	47	57	64
External static pressure[4]		Pa	0-60	0-60	0-60	0-60	0-60	0-60	0-60
Airflow rate[3]		m³/h	473/464/454/449/439/431/426	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	928/893/865/834/803/770/739
Sound pressure leve[4]		dB(A)	34.5/34/33.5/32.5/32/31/30.5	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	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	49/48/48/47/47/46/46	51/50/49/48/47/46/46	52/51/50/49/48/47/46	51/51/50/49/48/48/47	55/54/53/52/52/51/50	55/54/53/52/52/51/50
Unit	Net dimensions[5] (W×H×D)	mm	915×470×200	915×470×200	915×470×200	1133×470×200	1253×566×200	1253×566×200	1253×566×200
	Packed dimensions (W×H×D)	mm	985×555×255	985×555×255	985×555×255	1205×555×255	1325×650×255	1325×650×255	1325×650×255
	Net/Gross weight	kg	16.3/20.0	16.3/20.0	16.9/20.7	20.0/24.4	24.3/30.0	26.1/31.8	26.1/31.8
Refrigerant type			R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ18.5	OD Φ18.5	OD Φ18.5	OD Φ18.5	OD Φ18.5	OD Φ18.5	OD Φ18.5

Notes:
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 to the lowest, 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 a anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Floor Standing Units

Model name			MIH22F4HN18	MIH28F4HN18	MIH36F4HN18	MIH45F4HN18	MIH56F4HN18	MIH71F4HN18	MIH80F4HN18
Model name			MIH22F5HN18	MIH28F5HN18	MIH36F5HN18	MIH45F5HN18	MIH56F5HN18	MIH71F5HN18	MIH80F5HN18
Power supply			1-phase, 220-240V, 50/60Hz						
Cooling[1]	Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1	8
		kBtu/h	7.5	9.6	12.3	15.4	19.1	24.2	27.3
	Input	W	35	35	40	44	45	53	62
Heating[2]	Capacity	kW	2.4	3.2	4	5	6.3	8	9
		kBtu/h	8.2	10.9	13.7	17.1	21.5	27.3	30.7
	Input	W	35	35	41	46	47	57	64
External static pressure[4]		Pa(F4)	0-10	0-10	0-10	0-10	0-10	0-10	0-10
		Pa(F5)	0-10	0-10	0-10	0-10	0-10	0-10	0-10
Airflow rate[3]		m³/h(F4)	507/490/482/466/449/450/435	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	1054/1011/992/955/924/889/841
		m³/h(F5)	498/486/475/464/453/441/430	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	930/895/860/825/790/755/721
Sound pressure leve[4]		dB(A)(F4)	36/35/34.5/34/33/32.5/32	36/35/34.5/34/33/32.5/32	38/37/36/35/34/33/32	43/42/41/40/39/38/37	41.5/41/40/39/46/38/37/36	45.5/45/44/46/43/42/41	45.5/45/44/43/42/41
		dB(A)(F5)	32.5/32/31.5/31/30.5/30/29	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	39.5/39/38/37/36/35/34
Sound power level		dB(A)(F4)	52/51/51/50/50/49/49	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	57/56/55/54/53/53/52
		dB(A)(F5)	51/50/49/49/48/48/48	51/50/49/49/48/48/48	51/50/49/48/48/47/46	53/53/52/51/50/49/48	51/50/50/50/49/49/48	54/53/52/51/50/50/49	54/53/52/51/50/50/49
Unit	Net dimensions[5] (W×H×D)	mm(F4)	1020×495×200	1020×495×200	1020×495×200	1240×495×200	1360×591×200	1360×591×200	1360×591×200
		mm(F5)	1020×495×200	1020×495×200	1020×495×200	1240×495×200	1360×591×200	1360×591×200	1360×591×200
	Packed dimensions (W×H×D)	mm(F4)	1125×595×285	1125×595×285	1125×595×285	1345×595×285	1465×695×285	1465×695×285	1465×695×285
		mm(F5)	1125×595×285	1125×595×285	1125×595×285	1345×595×285	1465×695×285	1465×695×285	1465×695×285
	Net/Gross weight	kg(F4)	21.1/27.9	21.1/27.9	21.9/28.6	26.3/32.9	32.1/41.0	33.3/41.1	33.3/42.1
		kg(F5)	21.1/26.8	21.1/26.8	21.9/27.6	26.3/32.4	32.1/39.4	33.3/41.1	33.3/41.1
Refrigerant type			R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ18.5	OD Φ18.5	OD Φ18.5	OD Φ18.5	OD Φ18.5	OD Φ18.5	OD Φ18.5

Notes:
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 to the lowest, 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 a anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Ceiling&Floor Units

Model name			MIH36DLHN18	MIH45DLHN18	MIH56DLHN18	MIH71DLHN18	MIH80DLHN18
Power supply			1-phase, 220-240V, 50/60Hz				
Cooling[1]	Capacity	kW	3.6	4.5	5.6	7.1	8
		kBtu/h	12.3	15.4	19.1	24.2	27.3
	Power Input	W	16	24	40	42	56
Heating[2]	Capacity	kW	4	5	6.3	8	9
		kBtu/h	13.7	17.1	21.5	27.3	30.7
	Power 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 leve[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] (W×H×D)	mm	1069×674×234	1069×674×234	1069×674×234	1284×674×234	1284×674×234
	Packed dimensions (W×H×D)	mm	1190×755×313	1190×755×313	1190×755×313	1405×755×323	1405×755×323
	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	R410A/R32	R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25

Model name			MIH90DLHN18	MIH100DLHN18	MIH112DLHN18	MIH125DLHN18	MIH140DLHN18
Power supply			1-phase, 220-240V, 50/60Hz				
Cooling[1]	Capacity	kW	9	10	11.2	12.5	14
		kBtu/h	30.7	34.1	38.2	42.7	47.8
	Power Input	W	75	50	65	95	140
Heating[2]	Capacity	kW	10	11.2	12.5	14	16
		kBtu/h	34.1	38.2	42.7	47.8	54.6
	Power 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 leve[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] (W×H×D)	mm	1284×674×234	1649×674×234	1649×674×234	1649×674×234	1649×674×234
	Packed dimensions (W×H×D)	mm	1405×755×323	1770×755×323	1770×755×323	1770×755×323	1770×755×323
	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	R410A/R32	R410A/R32	R410A/R32	R410A/R32
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25

Notes:
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. 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.
5. 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.

Fresh Air Processing Duct

Model name			MIH200 FAHN18	MIH224 FAHN18	MIH252 FAHN18	MIH280 FAHN18	MIH335 FAHN18	MIH400 FAHN18	MIH450 FAHN18	MIH560 FAHN18
Power supply			1-phase, 220-240V, 50/60Hz							
Cooling[1]	Capacity	kW	20.0	22.4	25.2	28	33.5	40	45	56
		kBtu/h	68.3	76.5	86.0	95.6	114.3	136.5	153.6	191.1
	Input	W	425	425	480	540	550	900	900	1330
Heating[2]	Capacity	kW	12	13.7	16	18	22	26.5	27.8	39
		kBtu/h	41.0	46.8	54.6	61.4	75.1	90.4	94.9	133.1
	Input	W	425	425	480	540	550	900	900	1330
Airflow rate[3]		m^3/h	2500/2417/2333/2250/2167/2083/2000	2500/2417/2333/2250/2167/2083/2000	2800/2667/2533/2400/2267/2133/2000	3000/2833/2667/2500/2333/2167/2000	3200/3000/2800/2600/2400/2200/2000	4500/4217/3933/3650/3367/3083/2800	4500/4217/3933/3650/3367/3083/2800	6200/5833/5467/5100/4733/4367/4000
External static pressure[4]		Pa	220(0-400)	220(0-400)	220(0-400)	220(0-400)	220(0-400)	300(0-400)	300(0-400)	300(0-400)
Sound pressure leve[4]		dB(A)	47/46/46/45/44/43/42	47/46/46/45/44/43/42	48/47/47/46/45/44/43	49/48/48/47/46/45/44	51/50/49/48/47/46/45	53/52/52/51/50/49/48	53/52/52/51/50/49/48	56/55/55/54/53/52/51
Unit	Net dimensions[5] (W×H×D)	mm	1300×580×1050	1300×580×1050	1300×580×1050	1300×580×1050	1300×580×1050	1850×580×1050	1850×580×1050	1850×580×1050
	Packed dimensions (W×H×D)	mm	1530×730×1060	1530×730×1060	1530×730×1060	1530×730×1060	1530×730×1060	2080×730×1060	2080×730×1060	2080×730×1060
	Net/Gross weight	kg	117/142	117/142	117/142	117/142	121/146	161/198	161/198	164/201
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ19.1	Φ9.52/Φ19.1	Φ12.7/Φ22.2	Φ12.7/Φ22.2	Φ12.7/Φ25.4	Φ16/Φ28.6	Φ16/Φ28.6	Φ16/Φ28.6
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32

Small Airflow Rate Fresh Air Processing Duct

Model name			MIH90FASHN18	MIH140FASHN18	MIH160FASHN18	MIH224FASHN18	MIH280FASHN18
Power supply			1-phase, 220-240V, 50/60Hz				
Cooling[1]	Capacity	kW	9.0	14.0	16.0	22.4	28.0
		kBtu/h	30.7	47.8	54.6	76.5	95.6
	Input	W	80	165	185	320	400
Heating[2]	Capacity	kW	8.1	12.5	14.0	20.0	25.0
		kBtu/h	27.6	42.7	47.8	68.3	85.3
	Input	W	80	165	185	320	400
Airflow rate[3]		m^3/h	690/633/575/518/460/403/345	1100/1008/917/825/733/642/550	1230/1128/1025/923/820/718/615	1740/1595/1450/1305/1160/1015/870	2160/1980/1800/1620/1440/1260/1080
External static pressure[4]		Pa	100 (0-300)	150 (0-300)	150 (0-300)	200 (0-300)	200 (0-300)
Sound pressure leve[4]		dB(A)	39/37.5/36/34/32.5/30.5/29	44.5/42.5/40/37/35/33/32	44.5/43/41/38/36/34/32.5	49/47/45/43/40/38/36	51/49/47/44/42/39/37
Unit	Net dimensions[5] (W×H×D)	mm	1095x310x773	1095x310x773	1095x310x773	1445x310x773	1445x310x773
	Packed dimensions (W×H×D)	mm	1215x360x885	1215x360x885	1215x360x885	1645x360x885	1645x360x885
	Net/Gross weight	kg	37/41.5	40/43.5	40/43.5	54/59	54/59
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ19.1	Φ12.7/Φ22.2
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25

Notes:
1. Indoor temperature 33°C DB, 28°C WB; outdoor temperature 33°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 0°C DB; outdoor temperature 0°C DB, -2.9°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 1.5m below the unit in a semi-anechoic chamber.
6. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications

HRV

Model name			HRV-D200(C)	HRV-D300(C)	HRV-D400(C)	HRV-D500(C)
Power supply		Ph/V/Hz	1-phase, 220-240V, 50/60Hz			
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] (L×W×H)		mm	1195×784×272	1195×898×272	1276×1189×272	1311×1090×390
Packing size (L×W×H)		mm	1275×880×420	1275×994×420	1360×1284×420	1390×1244×540
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

Model name			HRV-D800(C)	HRV-D1000(C)	HRV-D1500(C)	HRV-D2000(C)
Power supply		Ph/V/Hz	1-phase, 220-240V, 50/60Hz			
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] (L×W×H)		mm	1311×1270×390	1311×1510×390	1740×1344×615	1811×1545×685
Packing size (L×W×H)		mm	1390×1424×540	1390×1670×540	1830×1520×770	1900×1720×845
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	346×326	346×326
	Air drop	Pa	357	384	253	322

Note:
1. 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.

Floor Standing Units (Side Discharge Type)

Model name			MFSL-76HDN1	MFSL-96HDN1	MFSL-120HDN1	MESL-150HDN1	MFSL-192HDN1
Power supply			1-phase, 220-240V, 50/60Hz				
Cooling[1]	Capacity	kW	25.2	28	33.5	45	56
		kBtu/h	86.0	95.6	114.3	153.6	191.1
	Power Input	W	335	335	350	690	860
Heating[2]	Capacity	W	26	31.5	38	56	63
		kBtu/h	88.7	107.5	129.7	191.1	215.0
	Power Input	W	335	335	350	690	860
Sound pressure leve[4]		dB(A)	56.0/54.6/53.3/ 52.6/51.5/ 50.7/49.1	56.0/54.6/53.3/ 52.6/51.5/ 50.7/49.1	52/50.8/49.7/ 48.7/47/ 44.5/43.1	57.2/55.9/54.4/ 53.4/52.3/ 51.0/49.4	58.7/57.4/56.4/ 55.2/54.2/ 53.1/52.1
Unit	Net dimensions[5] (W×H×D)	mm	615x1810x1150	615x1810x1150	615x1810x1150	615x1810x1150	615x1810x1600
	Packed dimensions (W×H×D)	mm	730x2035x1260	730x2035x1260	730x2035x1260	730x2035x1260	730x2035x1710
	Net/Gross weight	kg	153/167.5	153/167.5	158/172.5	163/177.5	209/227.5
Pipe connections	Liquid/Gas pipe	mm	Φ12.7/Φ22.2	Φ12.7/Φ22.2	Φ12.7/Φ25.4	Φ15.9/Φ28.6	Φ15.9/Φ28.6
	Drain pipe	mm	32	32	32	32	32

Floor Standing Units (Top Discharge Type)

Model name			MFTL-76HDN1	MFTL-96HDN1	MFTL-120HDN1	METL-150HDN1	MFTL-192HDN1
Power supply			1-phase, 220-240V, 50/60Hz				
Cooling[1]	Capacity	kW	25.2	28	33.5	45	56
		kBtu/h	86.0	95.6	114.3	153.6	191.1
	Power Input	W	670	670	745	1210	1465
Heating[2]	Capacity	W	26	31.5	38	56	63
		kBtu/h	88.7	107.5	129.7	191.1	215.0
	Power Input	W	670	670	745	1210	1465
External static pressure		Pa	150(0-400)	150(0-400)	150(0-400)	150(0-400)	150(0-400)
Sound pressure leve[4]		dB(A)	59/57.6/56.5/ 54.9/53.5/ 52/50.6	59/57.6/56.5/ 54.9/53.5/ 52/50.6	55.7/54.5/53.1/ 51.8/50.1/ 48.5/48.2	59.5/58.4/57.0/ 55.6/54.3/ 52.7/51.0	61.0/59.8/58.5/ 57.1/55.6/ 53.9/52.1
Unit	Net dimensions[5] (W×H×D)	mm	615x1810x1150	615x1810x1150	615x1810x1150	615x1810x1150	615x1810x1600
	Packed dimensions (W×H×D)	mm	730x2035x1260	730x2035x1260	730x2035x1260	730x2035x1710	730x2035x1710
	Net/Gross weight	kg	153/168.5	153/168.5	160/173.5	204.5/222.5	211/229
Pipe connections	Liquid/Gas pipe	mm	Φ12.7/Φ22.2	Φ12.7/Φ22.2	Φ12.7/Φ25.4	Φ15.9/Φ28.6	Φ15.9/Φ28.6
	Drain pipe	mm	32	32	32	32	32

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 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.