C-V8XPRO202210

Midea

2023

V8X Pro Series

Catalogue

SMART IN ONE

Midea Building Technologies Division

Midea Group

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

Postal code: 528311

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

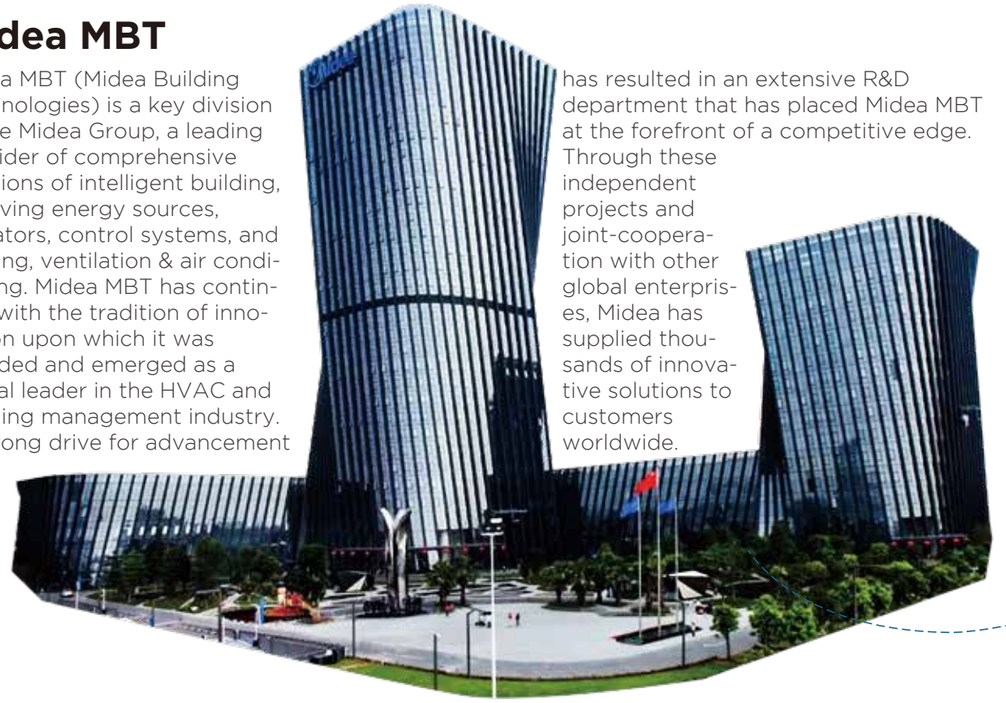
Quality Assurance ISO 9001

Environmental Management ISO 14001

Occupational Health and Safety Management ISO 45001

Midea MBT

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

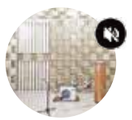


3 businesses constitute the significant components of Midea intelligent building solutions

4 production bases can achieve fast delivery

Over 100 testing labs cover all different real application sceneries


Security construction


Noise


Performance


Environmental Simulation


Reliable & long-lasting operation


EMC lab

All products can be visualized and digitalized throughout entire process

Midea VRF History

1999

- Cooperated with Toshiba in inverter technologies

2005

V3

- Launched **V3** Series VRF AC inverter + fixed compressor
- Maximum capacity of single unit is 16HP

2008-2014

V4

- Launched **V4, D4** Series VRF
- Complete product line with heat pump series, heat recovery series and water - cooled series.
- Maximum capacity of single unit is 16HP

2014

V5X

- Launched **V5X** Series VRF
- Full DC inverter technology
- Maximum capacity of single unit is 22HP

2017-2020

VX

- Launched heat pump **VX** Series VRF, cooling only **VC Pro** Series VRF and heat recovery **V6R** Series VRF
- Full DC inverter technology
- Maximum capacity of single unit is 34HP

2022

V8X

- Launching the 8th generation **V8X** Series VRF
- Full DC inverter technology
- Maximum capacity of single unit is 38HP

Benefits of Midea VRF

For End-users

Healthy Operation

Cost Saving Operation

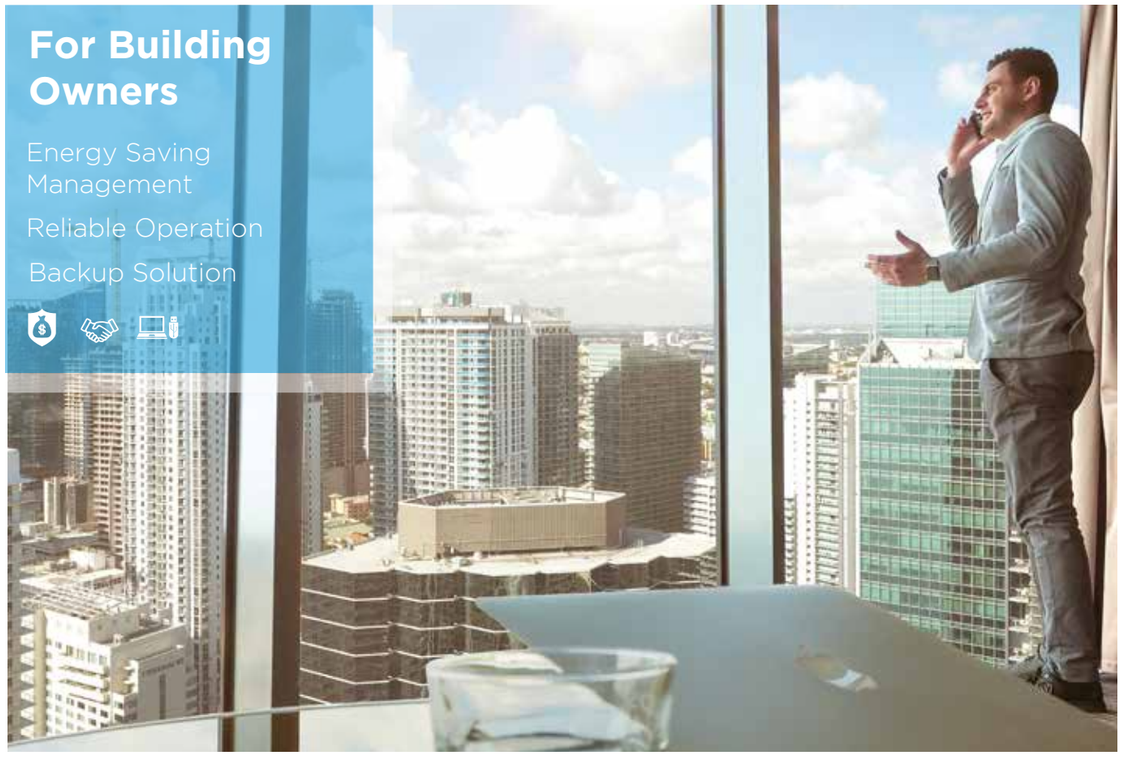
Comfortable Environment

For Consultants

Diversified Solutions

Professional Tool and Support

Design Flexibility



For Building Owners

Energy Saving Management

Reliable Operation

Backup Solution

For Construction Companies

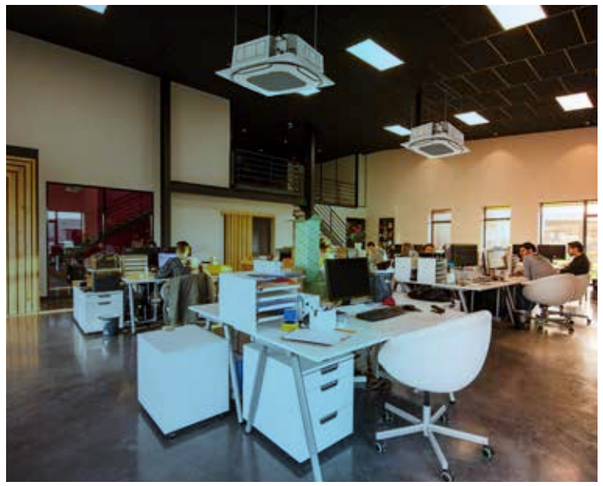
Green Solutions

Space Saving Design

Intelligent Management

Application Solutions

Office Complexes



Enjoy comfort while working

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

Residential Apartments

One for every home

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

Hotels & Shopping Malls

Increase your business, not your bills

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

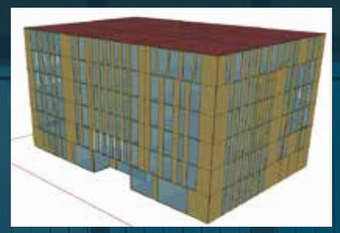
Hospitals/ Schools/ Airports

Meeting all expectations

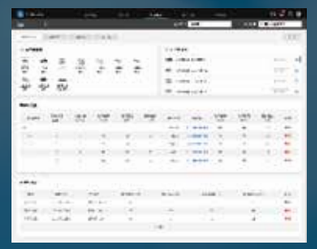
The innovative design and a variety of indoor unit choices makes Midea VRF suitable for all kinds of applications. The newly designed puro-air kit is perfect for modern hospitals.

ALL DIGITALIZED SERVICE

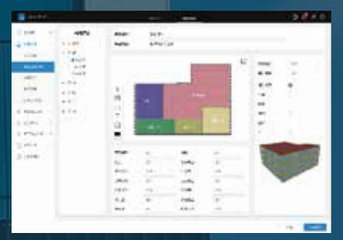
Design Service



Energy Plus
Building load
calculation

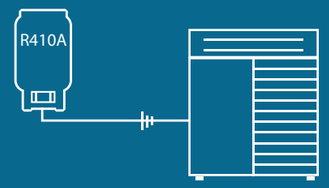


BIM
building
information
import



MSSP Online
VRF system design

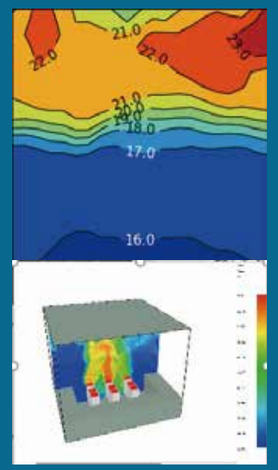
Installation service



Automatic refrigerant
charge

Automatic commis-
sioning report

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 main-
tenance tool

Cloud-based big
data analytics

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

Technical Support Platform (TSP)

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

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

My order

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

Document inquiry and download

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

Technical inquiry & FAQ

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

Troubleshooting

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

Complain

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

Mobile Intelligence Service App (MISA)

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

https://link.midea.com

FAQ

Complain

Technical Enquiry

Search product manuals

Trouble shooting

Spare Parts list

Download

Scan above to download the mobile app

Feedback

Thank you very much for your attention and advice

Midea Global Spare Parts Center

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

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

OUTDOOR UNITS

V8X (Combinable series)

V8Xi (Individual series)

The V8X Series

VRF uses a variety of algorithms and self-learning technology to monitor the operation of the equipment through operating parameters and timely maintenance, so that the equipment always runs in optimal condition throughout its life cycle.

Outdoor Unit Lineup

V8X (Combinable series)

HP	8-20	22-28	30-38
Single Unit			

HP	40-76	78-114
Combined Unit		

Note: Four units combination are possible for the 8-26 HP models, for four units combination please contact Midea.

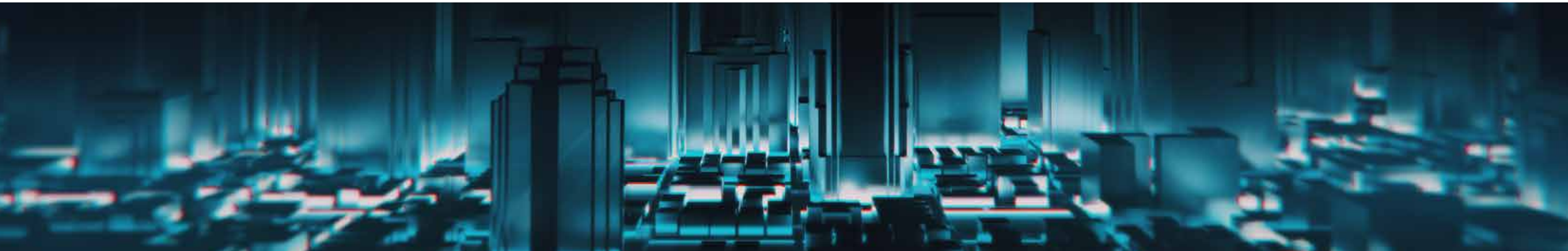
V8Xi (Individual series)

HP	8-20	22-28	30-38
Single Unit			

Outdoor Unit Functions

Functions ●: equipped as standard; O: customization option; X: without this function			V8X	V8Xi
Innovative Technologies	HyperLink	Midea original communication bus chip greatly simplifies installation and saves installation cost	●	●
	ShieldBox	IP55 Fully sealed electric control box realizes resisting all factors that cause intrusion and damage to the electric control box	●	●
	SuperSense	19 sensors achieves the state of each part of the refrigerant pipeline can be known in the whole process	●	●
	Meta 2.0	Triple variable control to maximize the comfort and energy efficiency	●	●
	Zen air 2.0	Provides comfort and healthy air supply	●	●
	Doctor M 2.0	Intelligent diagnostic technology makes maintenance easier and more efficient	●	●
High Efficiency	Full DC inverter technology	All electrical components of outdoor and indoor units are DC power supply, improving electrical efficiency and achieving energy saving	●	●
	Enhanced Vapor Injection (EVI) compressor	Increases refrigerant circulation and improves both cooling and heating capacity	●	●
	Micro-channel refrigerant subcooling	The refrigerant system can achieve 15°C refrigerant subcooling, which can further improve the refrigerant heat transfer efficiency while reducing the sound	●	●
	Low standby power consumption	The standby power consumption is as low as 3.5W	●	●
	G-type heat exchanger	Large capacity outdoor unit with G-type heat exchanger, which can increase the heat exchanger area and saves floor space	●	●
	60-step energy manage-ment	The system can be set 40% to 100% capacity output in 1% increments	●	●
	Duty cycling (unit)	Equalizes the running time of the outdoor units in a multiple-unit system,significantly extending unit lifespan (available for combined unit)	●	×
	Duty cycling (compressor)	Equalizes the running time of the compressor in each unit, significantly extending compressor lifespan (available for unit with two compressors)	●	●

Functions ●: equipped as standard; O: customization option; X: without this function			V8X	V8Xi
High Reliability	Backup operation (unit)	If one unit fails, the other units provide backup so that the system can continue operating (available for combined unit)	●	X
	Backup operation (compressor)	If one compressor fails, the other compressor provide backup so that the system can continue operating (available for unit with two compressors)	●	●
	Backup operation (fan motor)	If one fan motor fails, the other fan motor provide backup so that the system can continue operating (available for unit with two fan motors)	●	●
	Backup operation (sensor)	If one sensor fails, the virtual sensor provide backup so that the system can continue operating	●	●
	Precise oil control	Ensures all outdoor compressor oil is at a safe level, eliminating any compressor oil shortage problems.	●	●
	Heavy anti-corrosion protection	Can be customized with heavy anti-corrosion treatment for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful life	○	○
	UL anti-corrosion certificate	It has been certified by UL that our VRF outdoor unit can withstand 27 years of simulated severe corrosion under a salt contaminated traffic environment	○	○
	Micro-channel refrigerant cooling PCB	10 times higher than ordinary refrigerant pipe cooling efficiency	●	●
	Chassis electrical heater	Prevents condensation on the chassis from freezing in winter	○	○
	Anti-snow shield	Prevents the snow accumulating on the outdoor unit, guaranteeing the unit operating stable in snowy days	○	○
	Auto snow-blowing function	Blows away accumulated snow on the outdoor unit, guaranteeing the unit operating stable in snowy days	●	●
	Auto dust-clean function	Blows away accumulated dust on the outdoor unit, guaranteeing the unit operating stable in dusty environment	●	●
	Alarm output	In case of system malfunction, remote output error information, remind maintenance personnel timely maintenance	●	●
	Fire alarm input	In case of fire, receive fire information in time and stop the system immediately to avoid serious problems	●	●



Outdoor Unit Functions

Functions			V8X	V8Xi
●: equipped as standard; O: customization option; X: without this function				
Enhanced Comfort	Silent mode	15-step silent mode selections provide more freedom and convenience to match the customer needs	●	●
	Humidity control	Combined with the optional humidity sensor, the room humidity can be controlled by 35% to 75%	○	○
	Intelligent defrosting technology	Calculates the time required for defrosting according to the actual system status, eliminating heat losses from unnecessary defrosting	●	●
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature (available in changeover priority mode)	●	●
	Additional ambient temperature sensor	The additional external ambient temperature sensor can detect the true outdoor ambient temperature, correctly judge whether the system is running in cooling or heating in auto priority mode, ensuring indoor comfort	○	○
	0.1 °C control precision	Control precision of the sensor can reach 0.1°C, ensuring less room temperature fluctuation	●	●
	Multiple priority modes	10 priority modes meet the requirements of all scenarios	●	●
Wide Application Range	Wide capacity range	Meets all customer requirements from small to large buildings	8-38HP (single) 40-114HP (combined)	8-38HP
	Wide range of indoor units	Provides 12 types and more 100 models of VRF indoor units to meet different application scenarios	●	●
	Wide operation range	Operates stably under extreme conditions	-15-55°C (C) -30-30°C (H)	-15-55°C (C) -30-30°C (H)
	Long piping capability	Benefits for the system design, installation flexibility, as well as the less installation cost	●	●
	Auto addressing (ODU-IDU)	Distributes addresses to indoor units automatically, simplifying the installation	●	●
	Auto addressing (ODU-ODU)	Distributes addresses to slave outdoor units automatically, further simplifying the installation (available for combined unit)	●	×

Functions			V8X	V8Xi
●: equipped as standard; O: customization option; X: without this function				
Easy Installation And Service	Automatic refrigerant charging	Makes installation and service easier and more efficient	○	○
	Automatic refrigerant recycling	Refrigerant can recycle to ODUs or IDUs and normal ODUs, making the maintenance easier and more efficient	●	●
	Bluetooth module	It can be used for fault information storage, operation parameter enquiry, system parameter setting, quick after-sales PCB replacement, indoor and outdoor units programme upgrade, etc., simplifying installation and maintenance.	○	○
	Digit display	4 digit 7-segment display can be intuitive for parameter setting, parameter check and error check	●	●
	High external static pressure	Up to 120Pa ESP allows easy handling in a variety of installation environments	0-20Pa ● 20-120Pa ○	0-20Pa ● 20-120Pa ○
	Arbitrary topology of communication wire	Supports any communication topology, greatly simplifies installation and reduces installation cost	●	●
	2-core non-polarity communication wiring between the indoor and outdoor units	Simplifies installation and reduces wiring failures	●	●
	Long communication wiring	Communication wiring up to 2000m makes installation more flexible	●	●
	Wide combination ratio	Combination ration can be extended to 50%-200% under certain conditions which can meet different project requirements	50-130% ● 50-200% (for single unit system) ○	50-130% ● 50-200% ○
	Supports manual and automatic defrosting	Improves maintenance efficiency	●	●
	Supports manual and automatic oil return	Improves maintenance efficiency	●	●
	Easy software program upgrade*	The software program can be upgraded via on-site USB and burning, or remotely via the web	●	●
	Flexible controller connection	Central controller and BMS gateway can connect to ODU at the same time, central controller can connect to ODU or IDU	●	●
	Refrigerant amount diagnosis	The unit can diagnose excessive or insufficient amounts of refrigerant, prompt maintenance personnel to check the system in time to avoid serious malfunction	●	●
	Easy system commissioning and checking*	System commissioning and checking can easily be done on-site or remotely via the web	●	●
	Intelligent maintenance tool	Intelligent bluetooth after-sales kit can simplify maintenance and improve maintenance efficiency	○	○

Note:
*1: The web function needs to be realized through the data cloud gateway, and the data cloud gateway needs to be purchased separately.

INNOVATIVE

TECHNOLOGIES

HyperLink New & Unique

ShieldBox New & Unique

SuperSense New & Unique

ETA 2.0

ENair 2.0

DOCTOR m. 2.0

HyperLink

New & Unique

Midea original communication bus chip greatly simplifies installation and saves installation cost.

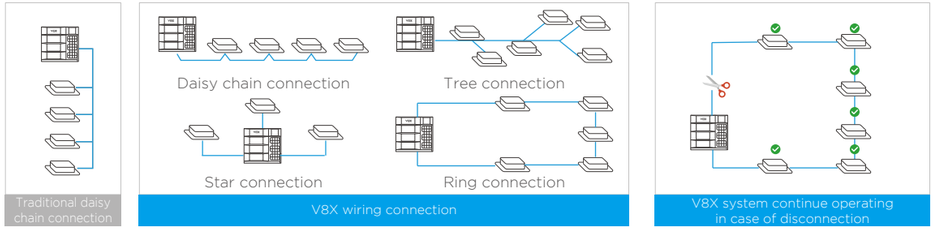
Benefits

- Flexible installation
- Low installation cost
- High reliability
- Stable operation

HyperLink communication technology supports any wiring pattern rather than just daisy chain connection, reducing the installation cost and the possibility of incorrect connection. It has stronger anti-interference ability, achieving communication distance up to 2000m.

Arbitrary Topology Communication

In addition to the traditional daisy chain connection, the communication wire supports tree connection, star connection, ring connection and so on. The wring is flexible, which greatly reduces the installation cost and has no possibility of wrong connection on site.

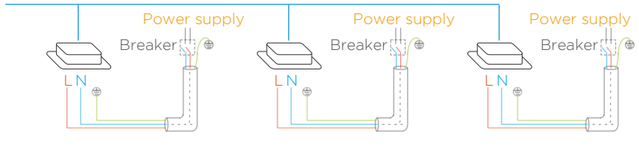


Super Anti-interference Capability

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

Flexible Power Supply for Indoor Units

HyerLink 's unique communication method allows the indoor units to be powered not only by a uniform power supply, but also by individual and zone power supplies, making it particularly suitable for each shop in a large complex building, which can independently power on and off its own indoor units.



ShieldBox

New & Unique

IP55 fully enclosed electric control box provides all-round protection for internal electronic components, greatly improving system **RELIABILITY**.


Anti-corrosion


Dustproof


Rain & snow proof


Insect proof

Benefits

- High reliability
- Stable operation

IP (INGRESS PROTECTION)

IP 55

Dustproof grade code
Prevent entry foreign objects and dust

Waterproof grade code
Prevent water spray in all directions

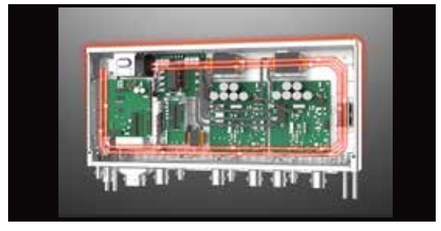
Fully enclosed electronic components are isolated from the external environment to protect against corrosion, sand, humidity, snowstorm and other harsh conditions, and prevent small animals and insects from entering the chamber. To provide comprehensive protection for internal electronic devices, improve the overall environmental tolerance.

All Microchannel Refrigerant Cooling

All electronic components including inverter module, filter module and power module are cooled by specially designed microchannel refrigerant to ensure that the electronic components work in the best temperature range.

PTC Heater

The unique PTC heater, with precise temperature control sensor, can still ensure that the temperature inside the chamber is within the normal operating temperature range of electronic devices even in the low-temperature environment of -30°C.

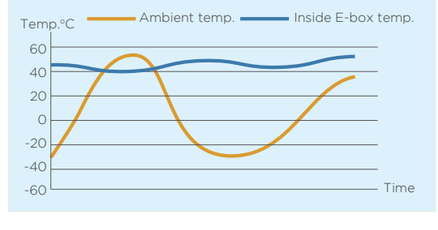


Built-in Circulating Fan

The built-in circulating fan accelerates the air flow inside the chamber, and the heat exchange is more sufficient to ensure the consistent ambient temperature inside the chamber.

5 High Precision Temperature Sensors

5 high precision temperature sensors are used to accurately monitor the operation state of electronic control under various conditions to ensure that the internal temperature of the chamber is always kept within a stable range.



SuperSense

New & Unique

The status of the refrigerant is known anywhere throughout the process, ensuring high **RELIABILITY** and **COMFORT**.

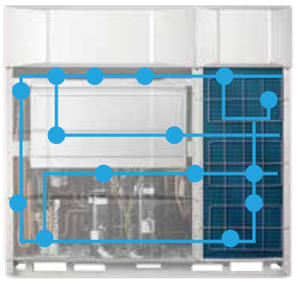
Benefits

- High reliability
- Stable operation
- Enhanced comfort

Up to 19 sensors are distributed throughout the refrigerant system, and the status of the refrigerant is known anywhere throughout the process, ensuring stable operation. At the same time, combined with the digital twin technology of the refrigerant system, a virtual sensor can be created in the event of a physical sensor failure, so that the system does not shut down in the event of a sensor failure, ensuring comfort.

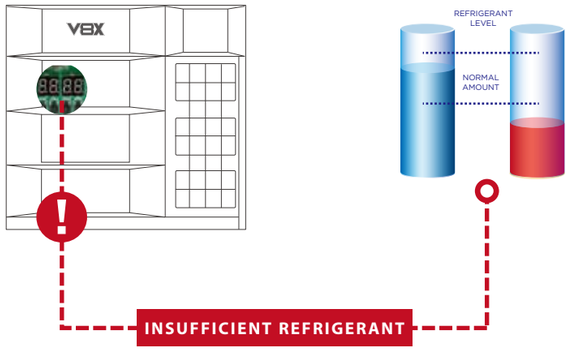
Complete Sensors

The V8X Series VRF has the industry's most comprehensive range of 19 condition sensors with built-in data models for compressors, heat exchangers, throttling components and more. By analyzing sensor data in real time, it can sense the status of the refrigerant anywhere in the system.



Refrigerant Amount Diagnosis*

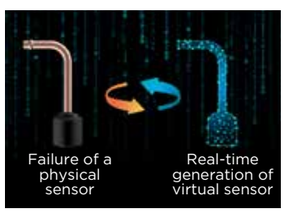
Thanks to the complete sensors, the refrigerant running state is clearly visible, so as to accurately diagnose the amount of refrigerant.



*This function is available at the end of July 2022.

Virtual Sensor Backup

In the event of a sensor failure, other sensors can automatically simulate a virtual backup sensor, so that the VRF system can continue to operate without stopping.



Midea ETA (META) 2.0

META is the abbreviation of Midea Evaporating Temperature Alteration
Further upgraded META technology to maximize **ENERGY SAVING**.

Benefits

- Energy saving
- Enhanced comfort
- Fast cooling/heating

Built-in professional operation and maintenance algorithm, so that the annual operation energy efficiency of each set of systems increased by more than 28%.

Variable Refrigerant Flow

STEP 1: Architectural space feature recognition

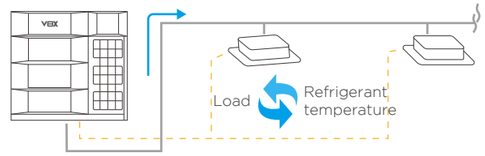
The indoor unit automatically recognizes the size of the building space and the effectiveness of the insulation according to the rate of temperature drop.

Automatic calculation of the building load and the required refrigerant quantity based on the sensor parameters.

Variable Refrigerant Temperature

STEP 2: System refrigerant temperature determination

The system automatically matches the evaporating temperature (in cooling) or condensing temperature (in heating) to the room load to maximize comfort and energy efficiency.



Automatic matching of the corresponding refrigerant temperature to the load.

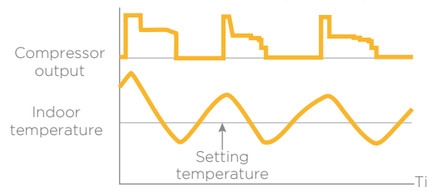
Variable Indoor Airflow

STEP 3: Adaptive indoor airflow and refrigerant flow

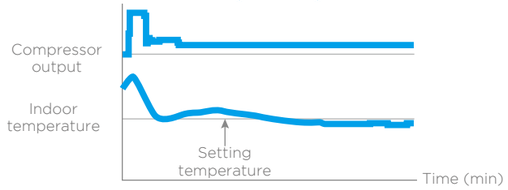
Each indoor unit automatically adjusts the corresponding indoor airflow and refrigerant flow according to the evaporating/condensing temperature, enabling precise temperature control.

Automatic matching of the corresponding indoor airflow to the load and refrigerant temperature.

Conventional refrigerant regulation

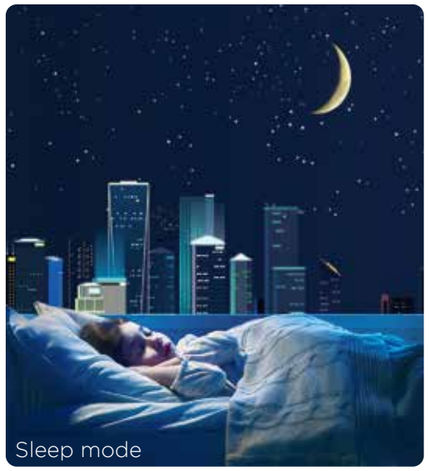


V8X refrigerant regulation



Zen Air 2.0

Further upgraded ZEN AIR technology to maximize **COMFORT**.



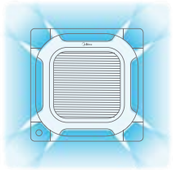
Benefits

- Quiet
- Enhanced comfort
- Healthy

0.5°C temperature adjustment, 7 fan speeds selection, sleep mode, silent mode, windless technology, high efficiency filter, a variety of sterilization device and other advanced technologies used in V8X Series VRF are dedicated to creating a quiet, comfortable and healthy indoor environment.

360° Airflow

New design, round air flow path ensures uniform air flow and temperature distribution.

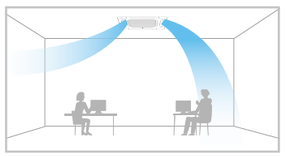


7 Fan Speeds

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

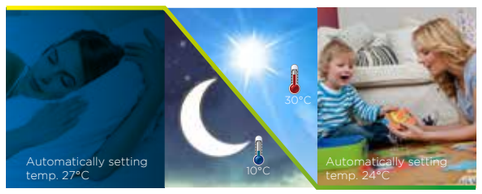
Individual Louver Control

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



Sleep Mode

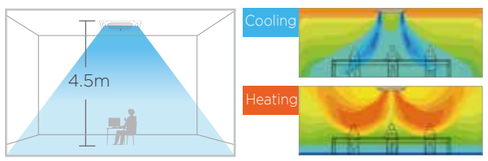
The smart sleep mode provides a comfortable sleep period and a refreshing wake up time.



*Temperature on left is for reference.

Long Distance Air Delivery*

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



*This function is available as a customization option.

Innovative Puro-air Kit

Protectors of health and safety

From Germany -
OSRAM quality UV light source

1st The world's first air conditioning sterilization product certification
99.9% Effective killing rate of white grape fungus
99.9% Effective killing rate of H1N1
98% Effective killing rate of natural bacteria

Ozone –Free
UV leakage-Free

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

Doctor M 2.0

Further upgraded DOCTOR M technology to maximize **EASY SERVICE**.

Benefits

- Easy maintenance
- Fast maintenance
- Low maintenance cost

Based on a cloud-based platform of big data and artificial intelligence, the V8X Series VRF can monitor the operation status of each unit in real time, predict system faults in advance and provide data analysis for system maintenance. Intelligent Bluetooth module and special Bluetooth after-sales kit can further simplify maintenance and improve maintenance efficiency.

Intelligent Maintenance Tool

With intelligent Bluetooth module or special Bluetooth after-sales kit, the data of the outdoor unit can be directly read and written on your smart phone without the needs of connecting PC or opening cabinet.

*The Bluetooth module is available as a customization option.

Real-time Monitoring of Operating Parameters

The V8X Series VRF synchronizes and stores all the unit parameters to the cloud through the data cloud gateway, including the running status, locking status, dirty blocking rate, all spot inspection parameters and so on. Users can query real-time and historical parameters on computers, tablets and mobile phones at any time.

Cloud-based Big Data Analytics

Midea V8X Series VRF transmits the system operation data to the cloud in real time through the data cloud gateway, and timely reminds the system of abnormal conditions through big data analysis, helping users to proactively avoid the risk of failure that has not yet occurred and minimize hidden problems.

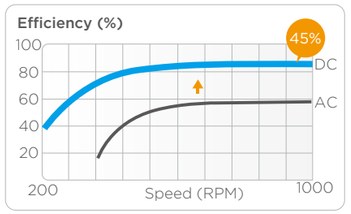
*The data cloud gateway is still under development and needs to be purchased separately.

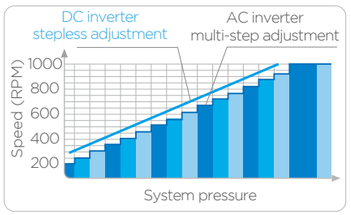
High Efficiency

Full DC Inverter Technology

Full DC Inverter for Outdoor Components

The V8X Series VRF uses full DC inverter compressor and fan motor to achieve high precision stepless speed adjustment according to system operation, and ensures that the system is always in optimum condition, operating more efficiently, more consistently and with less noise.





Wider frequency adjustment range

Faster cooling and heating

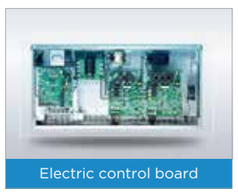
Higher energy efficiency

Full DC Inverter for Indoor Components

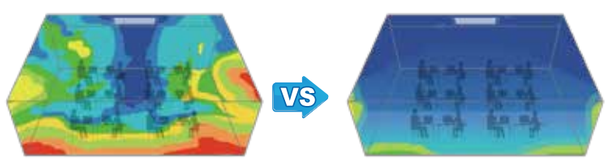
All power devices such as indoor fan motor, drain pump and electric control board are fully DC, which increases electrical efficiency by 20% and results in more accurate temperature control, a more constant indoor temperature and higher energy efficiency.


Fan motor


Drain pump

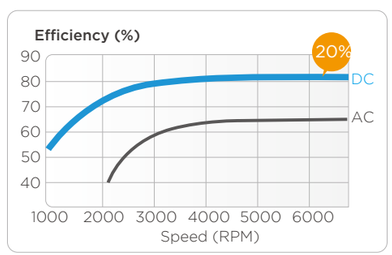

Electric control board

20% Efficiency improvements



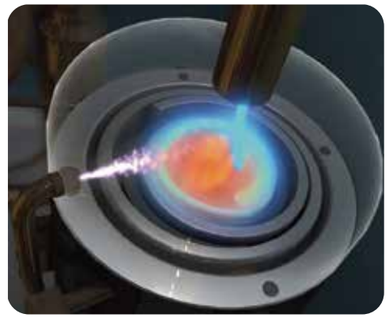
Uneven temperature distribution

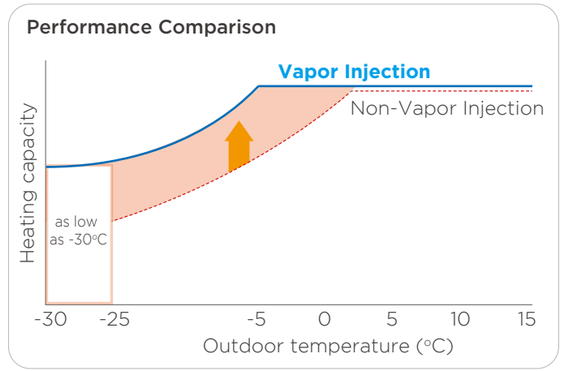
Uniform temperature distribution



Enhanced Vapor Injection (EVI) Compressor

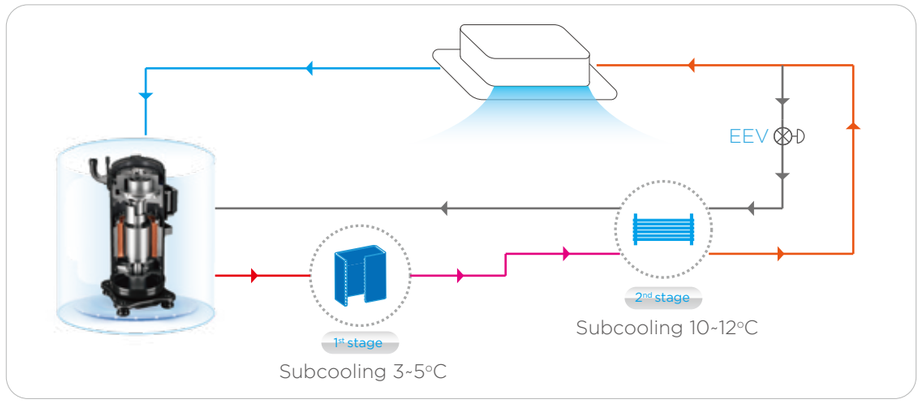
The enhanced vapor injection DC inverter compressor increases refrigerant circulation and improves both cooling and heating capacity.





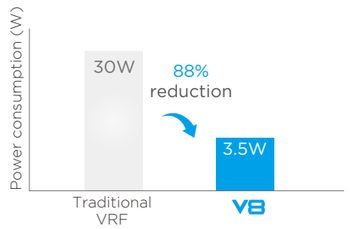
Advanced Subcooling Technology

The V8X Series VRF uses a micro-channel heat exchanger to further cool the refrigerant and the refrigerant system can achieve 15°C refrigerant subcooling, which can further improve the refrigerant heat transfer efficiency while reducing the sound of refrigerant flow.



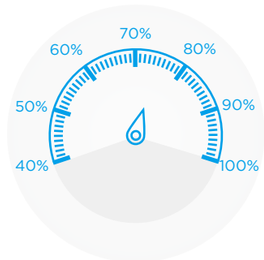
Low Standby Power Consumption

Compared to the standby power consumption of traditional VRF of about 30W, the V8X Series VRF uses optimized control scheme to further reduce standby power consumption to as low as 3.5W.



60-step Energy Management

For projects with temporary electricity supply restrictions, the outdoor unit supports 60-step energy management which can be set to output 40-100% capacity in 1% increments. It prevents tripping during electricity supply restriction conditions and remains system continue to operate.



High Reliability

Quadruple Backup

In two fans, two compressors and multiple units, one can run in backup for another. Additionally, the V8X series VRF generates a corresponding virtual sensor for each physical sensor by means of a digital algorithm, which serves as a backup for each other, ensuring no shutdown in the event of a fault, and further guaranteeing comfort.

1 Unit Backup

In a multi-unit system, the different units act as a backup to each other, ensuring that the system can continue to operate if one unit fails.

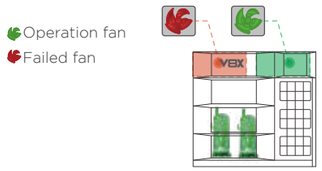
Intelligent load-bearing between units during normal operation

Continue operating in case of failure of one unit

2 Fan Backup

In unit with two fans, the two fans act as a backup to each other, ensuring that the system can continue to operate if one fan fails.

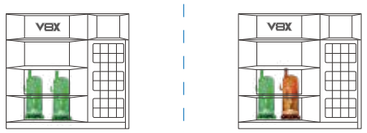
In normal operation, each fan runs on demand



Automatic backup operation of another fan in case of failure of one fan

3 Compressor Backup

In unit with two compressors, the two compressors act as a backup to each other, ensuring that the system can continue to operate if one compressor fails.



Intelligent load-bearing between compressors during normal operation

Continue operating in case of failure of one compressor

4 Sensor Backup

New & Unique

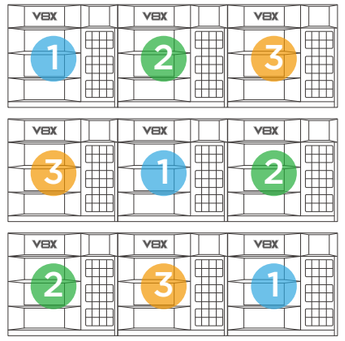
Through digital algorithms, each physical sensor generates a corresponding virtual sensor that acts as a backup to each other, ensuring that the failure of one sensor does not affect the normal operation of the system.

Automatic backup operation of the corresponding virtual sensor in case of failure of one physical sensor

Double Duty Cycling

1 Unit Duty Cycling

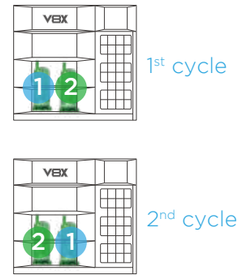
In a multi-unit system, duty cycling equalizes the running time of each outdoor unit, significantly extending unit lifespan.



Note: The duty cycling sequence shown in the figure is only a schematic reference. The actual duty cycling sequence is not a fixed sequence. Please refer to the technical manual for specific rotation rules.

2 Compressor Duty Cycling

In units with two compressors, duty cycling equalizes the running time of each compressor, significantly extending compressor lifespan.



Compressor start-up sequence

ShieldBox

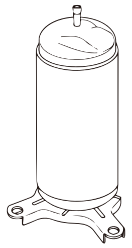
IP55 fully enclosed electric control box provides all-round protection for internal electronic components, greatly improving system reliability.

SuperSense

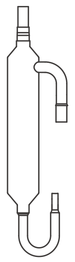
V8X Series VRF uses up to 19 sensors for each outdoor unit and 4 sensors for each indoor unit. The operating status of the system refrigerant is clearly visible, which can realize intelligent analysis of operation parameters, intelligent error diagnosis and forecasting, and visualized energy saving.

Precise Oil Control

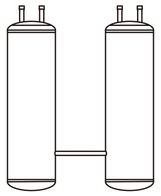
Four stages of oil control technology ensure all outdoor compressor oil is always kept at a safe level, eliminating any compressor oil shortage problems.

1 

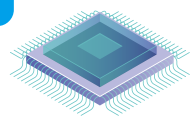
Compressor internal oil separation.

2 

High-efficiency centrifugal oil separator (with separation efficiency of up to 99%) ensures that oil is separated from the discharge gas and returned to the compressors in a timely fashion.

3 

Oil balance pipes between gas-liquid separator ensure even oil distribution to keep compressors running normally.

4 

The automatic oil return program determines the oil return through the running time and the oil discharge amount, enabling precise oil return.

Heavy Anti-corrosion Protection*

Outdoor units are given anti-corrosion treatment for non-extreme conditions as standard and can also be customized with heavy anti-corrosion treatment on main components for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful life. The integrity of the anti-corrosion treatment is ensured by subjecting major components and parts to salt mist testing, moisture and heating testing and light aging testing.

*Heavy anti-corrosion treatment is available as a customization option.

UL Anti-Corrosion Certificate*

It has been certified by UL that our VRF outdoor unit can withstand 27 years of simulated severe corrosion under a salt contaminated traffic environment.

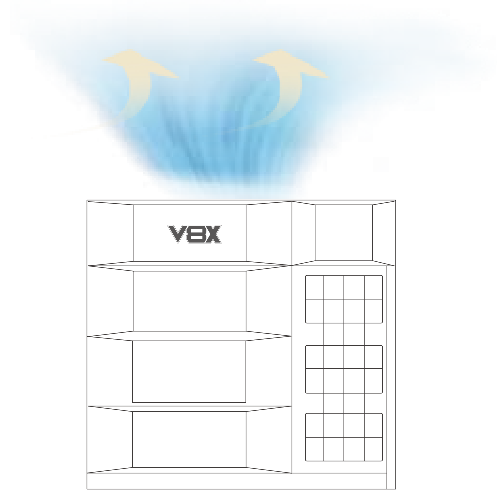
*UL anti-corrosion certificate is available for heavy anti-corrosion treatment units.

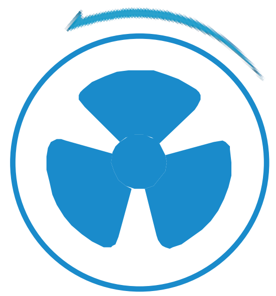
Outdoor Unit can resist 27 years of simulated severe corrosion under a salt contaminated traffic environment

A926834

Auto Snow-blowing Function

The innovatively designed auto snow-blowing function enables the outdoor unit to prevent the accumulation of snow by itself.





Blowing away snow

Auto Dust-clean Function

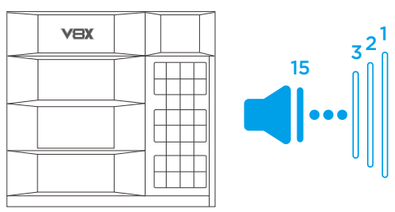
The innovatively designed dust-clean function enables the outdoor unit to prevent the dust by itself.

Self-clean

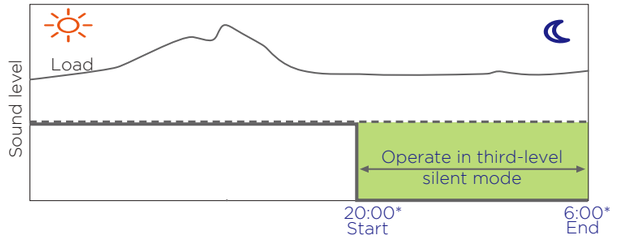
Enhanced Comfort

Advanced Silent Technology

15-step silent mode plus night silent mode provide more freedom and convenience to match the customer needs.



15 silent options



Night silent mode

*The entry and exit time of the night silent mode can be set in the wired controller.

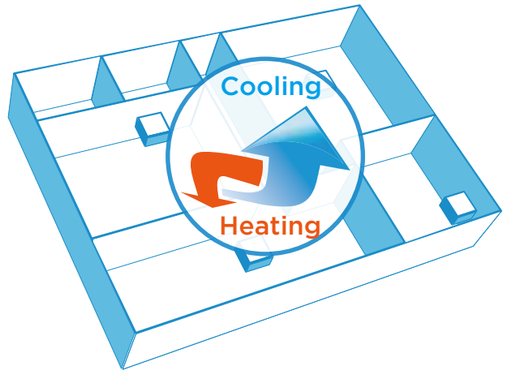
Humidity Control, More Comfortable*

The optional humidity control function can accurately control the indoor humidity. The default dehumidification mode ensures that the indoor humidity is always in the most comfortable range of 35~75%.

*This function is available as a customization option.

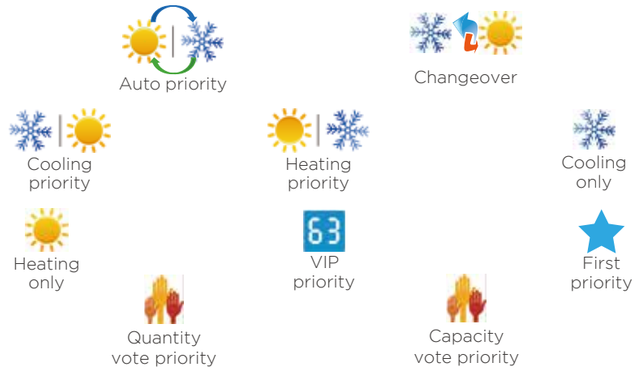
Auto Cooling-heating Changeover

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



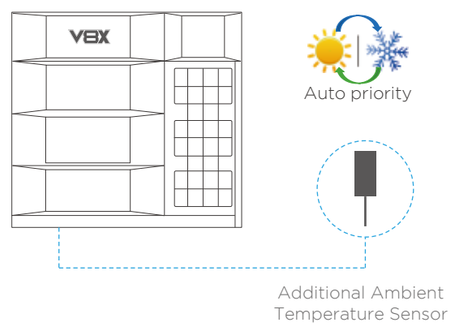
10 Priority Modes

10 priority mode options provide more freedom and convenience to match the customer needs.



Additional Ambient Temperature Sensor*

The V8X Series VRF can be equipped with an additional external ambient temperature sensor to determine whether the system is operating in cooling or heating in auto priority mode. For some installations, the ambient temperature sensor fixed on the unit cannot detect the true ambient temperature, resulting in the system operating in an inappropriate mode and affecting indoor comfort. The external ambient temperature sensor can detect the true outdoor ambient temperature, correctly judge whether the system is running in cooling or heating, ensuring indoor comfort.



*This function is available as a customization option.

Wide Application Range

Wide Capacity Range

The V8X Series VRF are available in individual series and combinable series. The individual series has capacities from 8HP to 38HP and the combinable series from 8HP to 114HP, perfectly suited for small to large buildings.

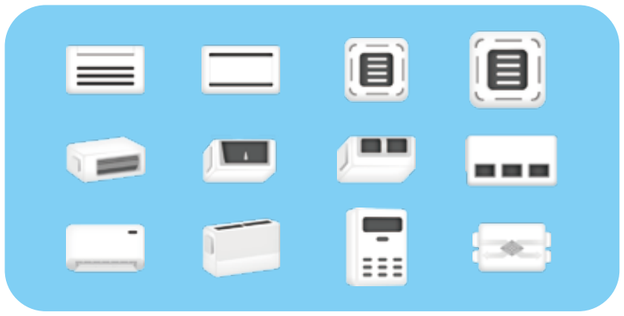
V8X - Combinable Series

Note: Four units combination are possible for the 8-26 HP models, for four units combination please contact Midea.

V8Xi - Individual Series

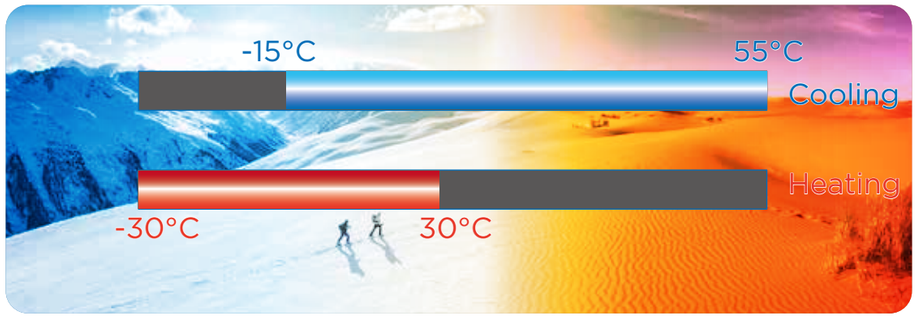
Wide Range of Indoor Units

The V8X Series VRF offers 12 types of over 100 models of indoor units to meet different scenarios of applications such as offices, shopping malls, hotels, airports, schools, hospitals, etc.



Wide Operation Range

Thanks to the EVI compressor and refrigerant cooling technology, the V8X Series VRF can operate at temperatures as low as -30°C for heating and up to 55°C for cooling.



Long Piping Capability

The total piping length of the V8X system can be up to 1100m, the level difference between indoor and outdoor units can be up to 110m and the level difference between indoor units can be up to 40m, making the V8X Series VRF perfectly suitable for all buildings.

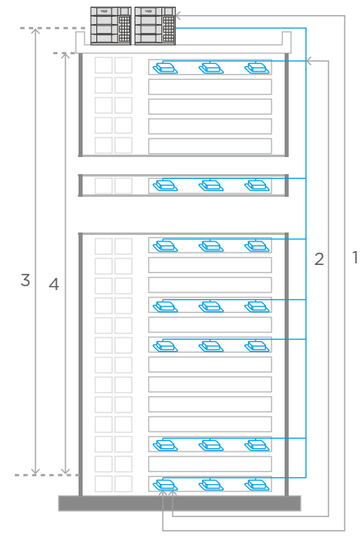
Total piping length: **1100m**
1 Longest piping length - actual (equivalent): **220(260)m**

2 Longest piping length after first branch: **40/120*m**

3 Level difference between IDUs and ODU - ODU above (below): **110(110)m**

4 Level difference between IDUs: **40m**

*The longest length after first branch is 40m as standard but can be extended to up to 120m under certain conditions. Please contact your local dealer for further information.



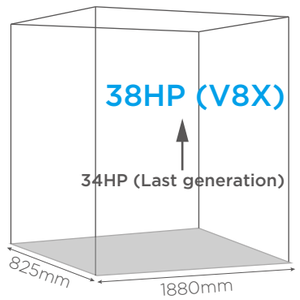
Easy Installation and Service

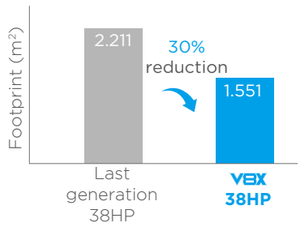
Free Wiring

HyperLink communication technology supports any wiring pattern rather than just daisy chain connection, reducing the installation cost and the possibility of incorrect connection. It has stronger anti-interference ability, achieving communication distance up to 2000m.

Space Saving

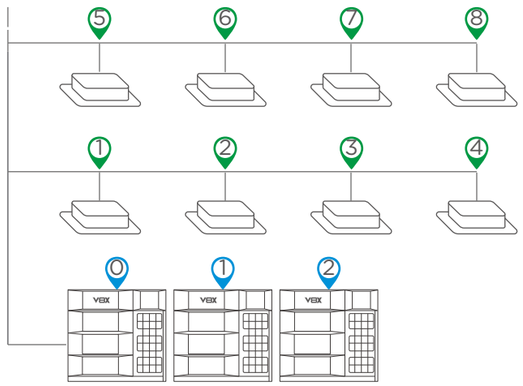
The V8X Series VRF has large capacity and small size, with a capacity of up to 36 HP in a single unit. A single unit can provide cooling/heating for a space of 400m². The space-saving advantages are particularly obvious for large projects.





Auto Addressing

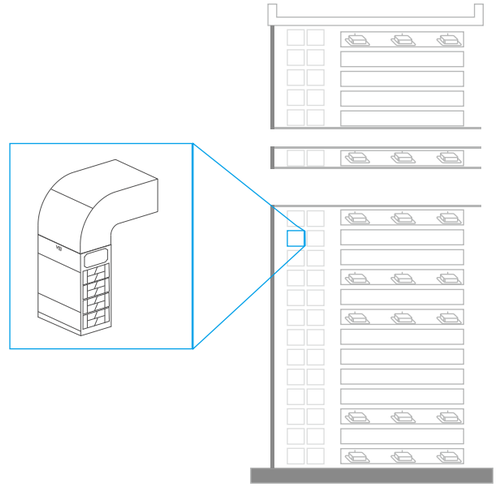
Addresses for all indoor units and combined outdoor units can be assigned automatically by the V8X system, further simplifying installation.



External Static Pressure up to 120Pa*

The static pressure of the outdoor unit can be up to 120Pa which facilitates installation of the unit on each floor of high-rise building or on balconies.

*External static pressure above 20Pa is available as a customization option.



Automatic Refrigerant Charging*

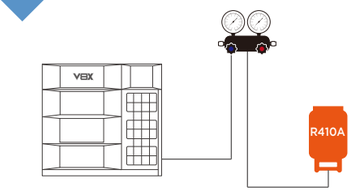
Compared to manual refrigerant charging, automatic refrigerant charging greatly simplifies the process, making installation and maintenance easier and more efficient.

Manual refrigerant charging

1. Calculate additional refrigerant quantity
2. Connect refrigerant tank to the outdoor unit & start filling process
3. Observe the weight scale to check the refrigerant charge
4. Close the shut-off valve manually & finish filling process

Automatic refrigerant charging

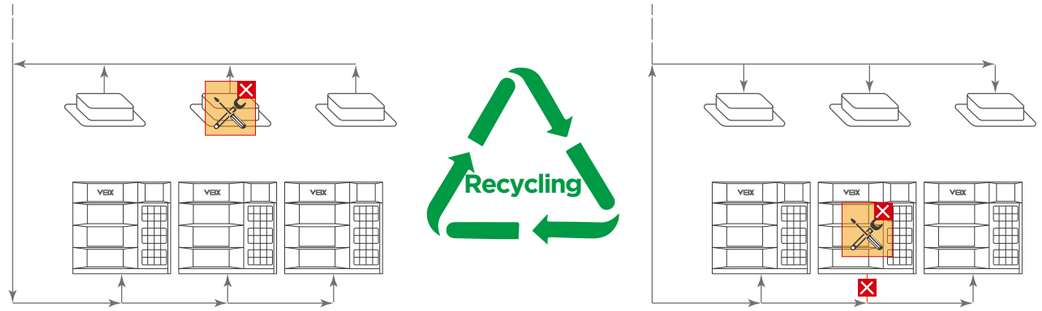
1. Connect refrigerant tank to the outdoor unit & activate automatic charging function
2. Close the shut-off valve automatically & finish filling process



*This function is available as a customization option.

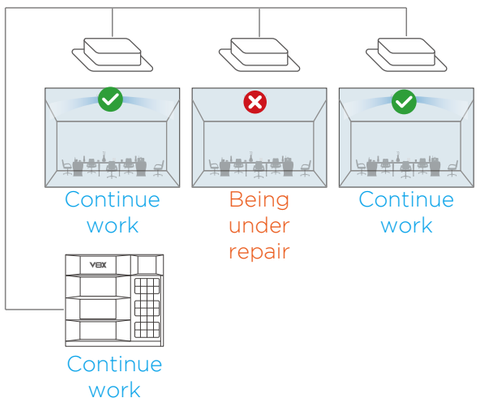
Automatic Refrigerant Recycling

When an indoor unit fails, the refrigerant can be recycled into the outdoor units. When part of the outdoor unit fails, the refrigerant can be recycled into the indoor units and the normal outdoor unit. Two types of refrigerant recycling make the maintenance easier and more efficient.



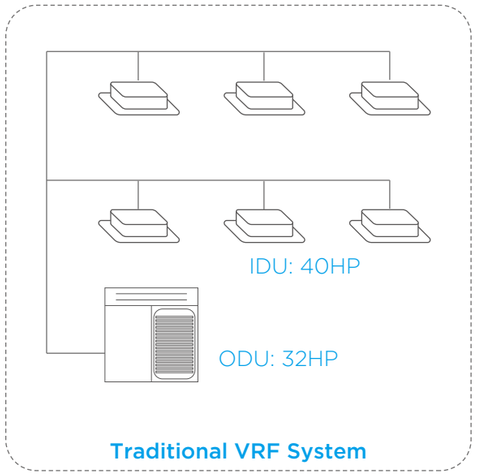
Maintenance Mode

The maintenance mode allows the shutdown of some indoor units without shutting down the whole VRF system, and it can be activated on site during maintenance period as the remaining indoor units continue to operate.

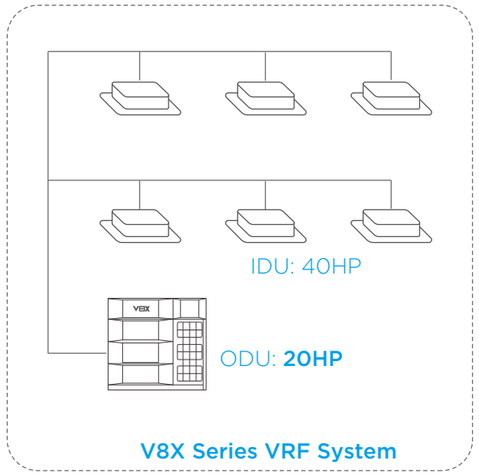


Wide Combination Ratio*

Compared to traditional VRF with combination ratio of 50-130%, the V8X Series VRF can be extended to 50-200%, and the wider combination ratio allows for more flexible system configuration. The larger combination ratio can be applied to long-term part-load operation scenarios, allowing for further reduction in installation costs.



Traditional VRF System



V8X Series VRF System

*Combination ratio over 130% is available as a customization option.

Easy Software Program Upgrade

In addition to upgrading the program of outdoor and indoor units through USB and burner, the new product can also remotely upgrade all the programs of indoor and outdoor units through data cloud gateway, making system upgrades very convenient and ensuring that the system program is always up to date.

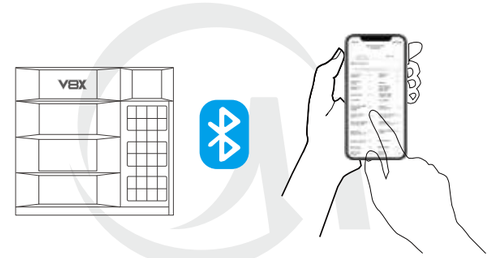
*The data cloud gateway is still under development and needs to be purchased separately.

Smart Commissioning/Maintenance Tool

With the newly developed smart tool (Bluetooth module and special Bluetooth after-sales kit), system settings, operating parameter queries, trial runs and programme upgrades are all possible without opening the cabinet.

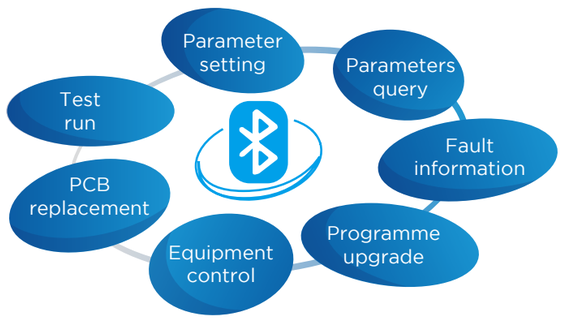
Useful in the following situations:

- Installation
- Service maintenance



Main functions:

- Fault information storage
- Operating parameters query
- Start commissioning test run
- System parameter setting
- Quick after-sales PCB replacement
- Equipment control
- Indoor and outdoor units programme upgrade



Specifications

V8X (Combinable series)

HP			8	10	12	14
Model			MV8X-252WV2GN1(PRO)	MV8X-280WV2GN1(PRO)	MV8X-335WV2GN1(PRO)	MV8X-400WV2GN1(PRO)
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	25.2	28	33.5	40
		kBtu/h	86.0	95.5	114.3	136.5
	Power input	kW	5.3	6.5	7.8	9.8
	EER		4.76	4.32	4.29	4.10
Heating[2]	Capacity	kW	27	31.5	37.5	45
		kBtu/h	92.1	107.5	128.0	153.5
	Power input	kW	5.0	6.2	7.8	9.5
	COP		5.39	5.11	4.80	4.72
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50%-130%
	Maximum quantity		13	16	19	23
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		1	1	1	1
Fan motors	Type		DC	DC	DC	DC
	Quantity		1	1	1	1
	Airflow rate	m^3/h	12600	12600	13500	14400
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	7	7	7	7
Pipe connections[3]	Liquid pipe	mm	Ø12.7	Ø12.7	Ø12.7	Ø12.7
	Gas pipe	mm	Ø25.4	Ø25.4	Ø25.4	Ø25.4
Sound pressure level[4]		dB(A)	56	57	59	59
Sound power level[4]		dB(A)	83	84	85	86
Net dimensions (W×H×D)		mm	940×1760×825	940×1760×825	940×1760×825	940×1760×825
Packed dimensions (W×H×D)		mm	1005×1945×890	1005×1945×890	1005×1945×890	1005×1945×890
Net weight		kg	195	195	197	197
Gross weight		kg	213	213	215	215
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP			16	18	20	22
Model			MV8X-450WV2GN1(PRO)	MV8X-500WV2GN1(PRO)	MV8X-560WV2GN1(PRO)	MV8X-615WV2GN1(PRO)
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	45	50	56	61.5
		kBtu/h	153.5	170.6	191.1	209.8
	Power input	kW	10.7	12.2	14.0	15.6
	EER		4.19	4.11	4.00	3.95
Heating[2]	Capacity	kW	50	56	63	69
		kBtu/h	170.6	191.1	215.0	235.4
	Power input	kW	10.7	12.8	14.4	16.6
	COP		4.66	4.39	4.37	4.15
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		26	29	33	36
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		1	1	1	2
Fan motors	Type		DC	DC	DC	DC
	Quantity		1	1	1	2
	Airflow rate	m^3/h	15600	15600	16500	22000
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	8	8	8.4	9.3
Pipe connections[3]	Liquid pipe	mm	Ø15.9	Ø15.9	Ø15.9	Ø15.9
	Gas pipe	mm	Ø28.6	Ø28.6	Ø28.6	Ø28.6
Sound pressure level[4]		dB(A)	59	60	61	62
Sound power level4		dB(A)	86	88	89	89
Net dimensions (W×H×D)		mm	940×1760×825	940×1760×825	940×1760×825	1340×1760×825
Packed dimensions (W×H×D)		mm	1005×1945×890	1005×1945×890	1005×1945×890	1405×1945×890
Net weight		kg	213	213	215	295
Gross weight		kg	230	230	232	315
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

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. Diameters given are those of the unit's stop valves.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

HP			24	26	28	30
Model			MV8X-670WV2GN1(PRO)	MV8X-730WV2GN1(PRO)	MV8X-785WV2GN1(PRO)	MV8X-850WV2GN1(PRO)
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	67	73	78.5	85
		kBtu/h	228.6	249.1	267.9	290.0
	Power input	kW	17.9	18.8	20.6	22.4
	EER		3.75	3.89	3.81	3.79
Heating[2]	Capacity	kW	75	81.5	87.5	95
		kBtu/h	255.9	278.1	298.6	324.2
	Power input	kW	18.5	19.8	21.4	24.4
	COP		4.06	4.12	4.08	3.89
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		39	43	46	50
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		2	2	2	2
Fan motors	Type		DC	DC	DC	DC
	Quantity		2	2	2	2
	Airflow rate	m^3/h	22000	21500	21500	29000
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	9.3	12	12	19
Pipe connections[3]	Liquid pipe	mm	Ø15.9	Ø15.9	Ø15.9	Ø22.2
	Gas pipe	mm	Ø28.6	Ø28.6	Ø28.6	Ø31.8
Sound pressure level[4]		dB(A)	62	62	62	63
Sound power level[4]		dB(A)	92	93	93	93
Net dimensions (W×H×D)		mm	1340×1760×825	1340×1760×825	1340×1760×825	1880×1760×825
Packed dimensions (W×H×D)		mm	1405×1945×890	1405×1945×890	1405×1945×890	1945×1945×890
Net weight		kg	295	315	315	373
Gross weight		kg	315	335	335	403
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP			32	34	36	38
Model			MV8X-900WV2GN1(PRO)	MV8X-950WV2GN1(PRO)	MV8X-1010WV2GN1(PRO)	MV8X-1060WV2GN1(PRO)
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	90	95.2	101	106
		kBtu/h	307.1	324.8	344.6	361.7
	Power input	kW	24.7	26.4	28.7	30.6
	EER		3.65	3.60	3.52	3.46
Heating[2]	Capacity	kW	100	106	112	119
		kBtu/h	341.2	361.7	382.2	406.0
	Power input	kW	26.2	28.3	30.7	33.1
	COP		3.81	3.74	3.65	3.60
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		53	56	59	62
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		2	2	2	2
Fan motors	Type		DC	DC	DC	DC
	Quantity		2	2	2	2
	Airflow rate	m^3/h	28000	28000	29000	29000
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	21	21	21	21
Pipe connections[3]	Liquid pipe	mm	Ø22.2	Ø22.2	Ø22.2	Ø22.2
	Gas pipe	mm	Ø34.9	Ø34.9	Ø34.9	Ø34.9
Sound pressure level[4]		dB(A)	64	64	66	66
Sound power level[4]		dB(A)	93	94	94	94
Net dimensions (W×H×D)		mm	1880×1760×825	1880×1760×825	1880×1760×825	1880×1760×825
Packed dimensions (W×H×D)		mm	1945×1945×890	1945×1945×890	1945×1945×890	1945×1945×890
Net weight		kg	405	405	408	408
Gross weight		kg	435	435	438	438
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

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. Diameters given are those of the unit's stop valves.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

HP			40	42	44	46
Model (Combination unit)			MV8X-1115WV2GN1(PRO)	MV8X-1170WV2GN1(PRO)	MV8X-1230WV2GN1(PRO)	MV8X-1285WV2GN1(PRO)
Combination type			18HP+22HP	18HP+24HP	18HP+26HP	18HP+28HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	111.5	117.0	123.0	128.5
		kBtu/h	380.4	399.2	419.7	438.5
	Power input	kW	27.8	30.1	31.0	32.8
	EER		4.01	3.89	3.97	3.92
Heating[2]	Capacity	kW	125.0	131.0	137.5	143.5
		kBtu/h	426.5	447.0	469.2	489.7
	Power input	kW	29.4	31.3	32.6	34.2
	COP		4.25	4.19	4.22	4.20
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		64			
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		3	3	3	3
Fan motors	Type		DC	DC	DC	DC
	Quantity		3	3	3	3
	Airflow rate	m^3/h	37600	37600	37100	37100
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	8+9.3	8+9.3	8+12	8+12
Pipe connections[3]	Liquid pipe	mm	Ø19.1			
	Gas pipe	mm	Ø38.1			
Sound pressure level[4]		dB(A)	64			
Sound power level[4]		dB(A)	92	94	94	94
Net dimensions (W×H×D)		mm	(940×1760×825)+ (1340×1760×825)	(940×1760×825)+ (1340×1760×825)	(940×1760×825)+ (1340×1760×825)	(940×1760×825)+ (1340×1760×825)
Packed dimensions (W×H×D)		mm	(1005×1945×890)+ (1405×1945×890)	(1005×1945×890)+ (1405×1945×890)	(1005×1945×890)+ (1405×1945×890)	(1005×1945×890)+ (1405×1945×890)
Net weight		kg	213+295	213+295	213+315	213+315
Gross weight		kg	230+315	230+315	230+335	230+335
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP			48	50	52	54
Model (Combination unit)			MV8X-1350WV2GN1(PRO)	MV8X-1400WV2GN1(PRO)	MV8X-1455WV2GN1(PRO)	MV8X-1510WV2GN1(PRO)
Combination type			18HP+30HP	24HP+26HP	24HP+28HP	16HP+38HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	135.0	140.0	145.5	151.0
		kBtu/h	460.6	477.7	496.5	515.2
	Power input	kW	34.6	36.7	38.5	41.3
	EER		3.90	3.81	3.78	3.66
Heating[2]	Capacity	kW	151.0	156.5	162.5	169.0
		kBtu/h	515.3	534.0	554.5	576.6
	Power input	kW	37.2	38.3	39.9	43.8
	COP		4.06	4.09	4.07	3.86
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		64			
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		3	4	4	3
Fan motors	Type		DC	DC	DC	DC
	Quantity		3	4	4	3
	Airflow rate	m^3/h	44600	43500	43500	44600
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	8+19	9.3+12	9.3+12	8+21
Pipe connections[3]	Liquid pipe	mm	Ø19.1			
	Gas pipe	mm	Ø38.1			
Sound pressure level[4]		dB(A)	65			67
Sound power level[4]		dB(A)	94	96	96	95
Net dimensions (W×H×D)		mm	(940×1760×825)+ (1880×1760×825)	(1340×1760×825)×2	(1340×1760×825)×2	(940×1760×825)+ (1880×1760×825)
Packed dimensions (W×H×D)		mm	(1005×1945×890)+ (1945×1945×890)	(1405×1945×890)×2	(1405×1945×890)×2	(1005×1945×890)+ (1945×1945×890)
Net weight		kg	213+373	295+315	295+315	213+408
Gross weight		kg	230+403	315+335	315+335	230+438
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

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. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V8X Series Engineering Data Book for connection piping diameters.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

HP			56	58	60	62
Model (Combination unit)			MV8X-1560WV2GN1(PRO)	MV8X-1620WV2GN1(PRO)	MV8X-1675WV2GN1(PRO)	MV8X-1730WV2GN1(PRO)
Combination type			18HP+38HP	20HP+38HP	22HP+38HP	24HP+38HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	156.0	162.0	167.5	173.0
		kBtu/h	532.3	552.8	571.5	590.3
	Power input	kW	42.8	44.6	46.2	48.5
	EER		3.64	3.63	3.63	3.57
Heating[2]	Capacity	kW	175.0	182.0	188.0	194.0
		kBtu/h	597.1	621.0	641.4	661.9
	Power input	kW	45.9	47.5	49.7	51.6
	COP		3.81	3.83	3.78	3.76
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		64			
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		3	3	4	4
Fan motors	Type		DC	DC	DC	DC
	Quantity		3	3	4	4
	Airflow rate	m^3/h	44600	45500	51000	51000
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	8+21	8.4+21	9.3+21	9.3+21
Pipe connections[3]	Liquid pipe	mm	Ø19.1			
	Gas pipe	mm	Ø41.3			
Sound pressure level[4]		dB(A)	67	67	68	68
Sound power level[4]		dB(A)	95	95	95	96
Net dimensions (W×H×D)		mm	(940×1760×825)+ (1880×1760×825)	(940×1760×825)+ (1880×1760×825)	(1340×1760×825)+ (1880×1760×825)	(1340×1760×825)+ (1880×1760×825)
Packed dimensions (W×H×D)		mm	(1005×1945×890)+ (1945×1945×890)	(1005×1945×890)+ (1945×1945×890)	(1405×1945×890)+ (1945×1945×890)	(1405×1945×890)+ (1945×1945×890)
Net weight		kg	213+408	215+408	295+408	295+408
Gross weight		kg	230+438	232+438	315+438	315+438
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP			64	66	68	70
Model (Combination unit)			MV8X-1790WV2GN1(PRO)	MV8X-1845WV2GN1(PRO)	MV8X-1910WV2GN1(PRO)	MV8X-1960WV2GN1(PRO)
Combination type			26HP+38HP	28HP+38HP	30HP+38HP	32HP+38HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	179.0	184.5	191.0	196.0
		kBtu/h	610.8	629.6	651.7	668.8
	Power input	kW	49.4	51.2	53.0	55.3
	EER		3.62	3.60	3.60	3.54
Heating[2]	Capacity	kW	200.5	206.5	214.0	219.0
		kBtu/h	684.1	704.6	730.2	747.2
	Power input	kW	52.9	54.5	57.5	59.3
	COP		3.79	3.79	3.72	3.69
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		64			
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		4	4	4	4
Fan motors	Type		DC	DC	DC	DC
	Quantity		4	4	4	4
	Airflow rate	m^3/h	50500	50500	58000	57000
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	12+21	12+21	19+21	21×2
Pipe connections[3]	Liquid pipe	mm	Ø19.1		Ø22.2	
	Gas pipe	mm	Ø41.3		Ø44.5	
Sound pressure level[4]		dB(A)	68	68	68	68
Sound power level[4]		dB(A)	97	97	97	97
Net dimensions (W×H×D)		mm	(1340×1760×825)+ (1880×1760×825)	(1340×1760×825)+ (1880×1760×825)	(1880×1760×825)×2	(1880×1760×825)×2
Packed dimensions (W×H×D)		mm	(1405×1945×890)+ (1945×1945×890)	(1405×1945×890)+ (1945×1945×890)	(1945×1945×890)×2	(1945×1945×890)×2
Net weight		kg	315+408	315+408	373+408	
Gross weight		kg	335+438	335+438	403+438	
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

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. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V8X Series Engineering Data Book for connection piping diameters.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

HP			72	74	76	78
Model (Combination unit)			MV8X-2010WV2GN1(PRO)	MV8X-2070WV2GN1(PRO)	MV8X-2120WV2GN1(PRO)	MV8X-2175WV2GN1(PRO)
Combination type			34HP+38HP	36HP+38HP	38HP+38HP	18HP+22HP+38HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	201.2	207.0	212.0	217.5
		kBtu/h	686.5	706.3	723.4	742.1
	Power input	kW	57.0	59.3	61.2	58.4
	EER		3.53	3.49	3.46	3.72
Heating[2]	Capacity	kW	225.0	231.0	238.0	244.0
		kBtu/h	767.7	788.2	812.0	832.5
	Power input	kW	61.4	63.8	66.2	62.5
	COP		3.66	3.62	3.60	3.90
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		64			
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		4	4	4	5
Fan motors	Type		DC	DC	DC	DC
	Quantity		4	4	4	5
	Airflow rate	m^3/h	57000	58000	58000	66600
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	21×2	21×2	21×2	8+9.3+21
Pipe connections[3]	Liquid pipe	mm	Ø22.2			
	Gas pipe	mm	Ø44.5			
Sound pressure level[4]		dB(A)	68	69	69	68
Sound power level[4]		dB(A)	97	97	97	96
Net dimensions (W×H×D)		mm	(1880×1760×825)×2	(1880×1760×825)×2	(1880×1760×825)×2	(940×1760×825)+(1340×1760×825)+(1880×1760×825)
Packed dimensions (W×H×D)		mm	(1945×1945×890)×2	(1945×1945×890)×2	(1945×1945×890)×2	(1005×1945×890)+(1405×1945×890)+(1945×1945×890)
Net weight		kg	405+408		408×2	213+295+408
Gross weight		kg	435+438		438×2	230+315+438
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP			80	82	84	86
Model (Combination unit)			MV8X-2230WV2GN1(PRO)	MV8X-2290WV2GN1(PRO)	MV8X-2345WV2GN1(PRO)	MV8X-2410WV2GN1(PRO)
Combination type			18HP+24HP+38HP	18HP+26HP+38HP	18HP+28HP+38HP	20HP+28HP+38HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	223.0	229.0	234.5	241.0
		kBtu/h	760.9	781.4	800.2	822.3
	Power input	kW	60.7	61.6	63.4	65.2
	EER		3.67	3.72	3.70	3.70
Heating[2]	Capacity	kW	250.0	256.5	262.5	270.0
		kBtu/h	853.0	875.2	895.7	921.3
	Power input	kW	64.4	65.7	67.3	70.3
	COP		3.88	3.90	3.90	3.84
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		64			
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		5	5	5	5
Fan motors	Type		DC	DC	DC	DC
	Quantity		5	5	5	5
	Airflow rate	m^3/h	66600	66100	66100	73600
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	8+9.3+21	8+12+21	8+12+21	8+19+21
Pipe connections[3]	Liquid pipe	mm	Ø22.2		Ø25.4	
	Gas pipe	mm	Ø44.5		Ø50.8	
Sound pressure level[4]		dB(A)	68			
Sound power level[4]		dB(A)	97	97	97	97
Net dimensions (W×H×D)		mm	(940×1760×825)+(1340×1760×825)+(1880×1760×825)	(940×1760×825)+(1340×1760×825)+(1880×1760×825)	(940×1760×825)+(1340×1760×825)+(1880×1760×825)	(940×1760×825)+(1880×1760×825)×2
Packed dimensions (W×H×D)		mm	(1005×1945×890)+(1405×1945×890)+(1945×1945×890)	(1005×1945×890)+(1405×1945×890)+(1945×1945×890)	(1005×1945×890)+(1405×1945×890)+(1945×1945×890)	(1005×1945×890)+(1945×1945×890)×2
Net weight		kg	213+295+408	213+315+408	213+315+408	213+373+408
Gross weight		kg	230+315+438	230+335+438	230+335+438	230+403+438
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

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. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V8X Series Engineering Data Book for connection piping diameters.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

HP			88	90	92	94
Model (Combination unit)			MV8X-2460WV2GN1(PRO)	MV8X-2515WV2GN1(PRO)	MV8X-2570WV2GN1(PRO)	MV8X-2620WV2GN1(PRO)
Combination type			24HP+26HP+38HP	24HP+28HP+38HP	16HP+38HP+38HP	18HP+38HP+38HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	246.0	251.5	257.0	262.0
		kBtu/h	839.4	858.2	876.9	894.0
	Power input	kW	67.3	69.1	71.9	73.4
	EER		3.66	3.64	3.57	3.57
Heating[2]	Capacity	kW	275.5	281.5	288.0	294.0
		kBtu/h	940.0	960.5	982.6	1003.1
	Power input	kW	71.4	73.0	76.9	79.0
	COP		3.86	3.86	3.75	3.72
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		64			
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		6	6	5	5
Fan motors	Type		DC	DC	DC	DC
	Quantity		6	6	5	5
	Airflow rate	m^3/h	72500	72500	73600	73600
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	9.3+12+21	9.3+12+21	8+21×2	8+21×2
Pipe connections[3]	Liquid pipe	mm	Ø25.4		Ø25.4	
	Gas pipe	mm	Ø50.8		Ø50.8	
Sound pressure level[4]		dB(A)	69	69	69	70
Sound power level[4]		dB(A)	98	98	97	98
Net dimensions (W×H×D)		mm	(1340×1760×825)×2+(1880×1760×825)	(1340×1760×825)×2+(1880×1760×825)	(940×1760×825)+(1880×1760×825)×2	(940×1760×825)+(1880×1760×825)×2
Packed dimensions (W×H×D)		mm	(1405×1945×890)×2+(1945×1945×890)	(1405×1945×890)×2+(1945×1945×890)	(1005×1945×890)+(1945×1945×890)×2	(1005×1945×890)+(1945×1945×890)×2
Net weight		kg	295+315+408	295+315+408	213+408×2	213+408×2
Gross weight		kg	315+335+438	315+335+438	230+438×2	230+438×2
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP			96	98	100	102
Model (Combination unit)			MV8X-2680WV2GN1(PRO)	MV8X-2735WV2GN1(PRO)	MV8X-2790WV2GN1(PRO)	MV8X-2850WV2GN1(PRO)
Combination type			20HP+38HP+38HP	22HP+38HP+38HP	24HP+38HP+38HP	26HP+38HP+38HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	268.0	273.5	279.0	285.0
		kBtu/h	914.5	933.2	952.0	972.5
	Power input	kW	75.2	76.8	79.1	80.0
	EER		3.56	3.56	3.53	3.56
Heating[2]	Capacity	kW	301.0	307.0	313.0	319.5
		kBtu/h	1027.0	1047.4	1067.9	1090.1
	Power input	kW	80.6	82.8	84.7	86.0
	COP		3.73	3.71	3.70	3.72
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%	50-130%
	Maximum quantity		64			
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		5	6	6	6
Fan motors	Type		DC	DC	DC	DC
	Quantity		5	6	6	6
	Airflow rate	m^3/h	74500	80000	80000	79500
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	8.4+21×2	9.3+21×2	9.3+21×2	12+21×2
Pipe connections[3]	Liquid pipe	mm	Ø25.4		Ø25.4	
	Gas pipe	mm	Ø50.8		Ø50.8	
Sound pressure level[4]		dB(A)	70			
Sound power level[4]		dB(A)	98	98	98	99
Net dimensions (W×H×D)		mm	(940×1760×825)+(1880×1760×825)×2	(1340×1760×825)+(1880×1760×825)×2	(1340×1760×825)+(1880×1760×825)×2	(1340×1760×825)+(1880×1760×825)×2
Packed dimensions (W×H×D)		mm	(1005×1945×890)+(1945×1945×890)×2	(1405×1945×890)+(1945×1945×890)×2	(1405×1945×890)+(1945×1945×890)×2	(1405×1945×890)+(1945×1945×890)×2
Net weight		kg	215+408×2	295+408×2	295+408×2	315+408×2
Gross weight		kg	232+438×2	315+438×2	315+438×2	335+438×2
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

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. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V8X Series Engineering Data Book for connection piping diameters.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

HP			104	106	108
Model (Combination unit)			MV8X-2905WV2GN1(PRO)	MV8X-2970WV2GN1(PRO)	MV8X-3020WV2GN1(PRO)
Combination type			28HP+38HP+38HP	30HP+38HP+38HP	34HP+36HP+38HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	290.5	297.0	302.0
		kBtu/h	991.3	1013.4	1030.5
	Power input	kW	81.8	83.6	85.7
	EER		3.55	3.55	3.52
Heating[2]	Capacity	kW	325.5	333.0	337.0
		kBtu/h	1110.6	1136.2	1149.9
	Power input	kW	87.6	90.6	92.1
	COP		3.72	3.68	3.66
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%
	Maximum quantity		64		
Compressors	Type		DC inverter	DC inverter	DC inverter
	Quantity		6	6	6
Fan motors	Type		DC	DC	DC
	Quantity		6	6	6
	Airflow rate	m^3/h	79500	87000	86000
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A
	Factory charge	kg	12+21×2	19+21×2	21×3
Pipe connections[3]	Liquid pipe	mm	Ø25.4		Ø25.4
	Gas pipe	mm	Ø50.8		Ø50.8
Sound pressure level[4]		dB(A)	70		
Sound power level[4]		dB(A)	99	99	99
Net dimensions (W×H×D)		mm	(1340×1760×825)+ (1880×1760×825)×2	(1880×1760×825)×3	(1880×1760×825)×3
Packed dimensions (W×H×D)		mm	(1405×1945×890)+ (1945×1945×890)×2	(1945×1945×890)×3	(1945×1945×890)×3
Net weight		kg	315+408×2	373+408×2	405+408×2
Gross weight		kg	335+438×2	403+438×2	435+438×2
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30

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. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V8X Series Engineering Data Book for connection piping diameters.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

HP			110	112	114
Model (Combination unit)			MV8X-3070WV2GN1(PRO)	MV8X-3130WV2GN1(PRO)	MV8X-3180WV2GN1(PRO)
Combination type			34HP+38HP+38HP	36HP+38HP+38HP	38HP+38HP+38HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	307.2	313.0	318.0
		kBtu/h	1048.2	1068.0	1085.1
	Power input	kW	87.6	89.9	91.8
	EER		3.50	3.48	3.46
Heating[2]	Capacity	kW	344.0	350.0	357.0
		kBtu/h	1173.7	1194.2	1218.0
	Power input	kW	94.5	96.9	99.3
	COP		3.64	3.61	3.60
Connected indoor unit	Total capacity		50-130%	50-130%	50-130%
	Maximum quantity		64		
Compressors	Type		DC inverter	DC inverter	DC inverter
	Quantity		6	6	6
Fan motors	Type		DC	DC	DC
	Quantity		6	6	6
	Airflow rate	m^3/h	86000	87000	87000
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A
	Factory charge	kg	21×3	21×3	21×3
Pipe connections[3]	Liquid pipe	mm	Ø28.6	Ø28.6	Ø28.6
	Gas pipe	mm	Ø54.0	Ø54.0	Ø54.0
Sound pressure level[4]		dB(A)	70		
Sound power level[4]		dB(A)	99	99	99
Net dimensions (W×H×D)		mm	(1880×1760×825)×3	(1880×1760×825)×3	(1880×1760×825)×3
Packed dimensions (W×H×D)		mm	(1945×1945×890)×3	(1945×1945×890)×3	(1945×1945×890)×3
Net weight		kg	405+408×2	408×3	408×3
Gross weight		kg	435+438×2	438×3	438×3
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30

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. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V8X Series Engineering Data Book for connection piping diameters.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

V8Xi (Individual series)

HP			8	10	12	14
Model			MV8Xi-252WV2GN1(PRO)	MV8Xi-280WV2GN1(PRO)	MV8Xi-335WV2GN1(PRO)	MV8Xi-400WV2GN1(PRO)
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	25.2	28.0	33.5	40.0
		kBtu/h	86.0	95.5	114.3	136.5
	Power input	kW	5.7	7.4	8.9	10.9
	EER		4.41	3.80	3.75	3.66
Heating[2]	Capacity	kW	27.0	31.5	37.5	45.0
		kBtu/h	92.1	107.5	128.0	153.5
	Power input	kW	5.4	6.7	8.2	10.7
	COP		4.98	4.72	4.57	4.19
Connected indoor unit	Total capacity		50%-130%	50%-130%	50%-130%	50%-130%
	Maximum quantity		13	16	19	23
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		1	1	1	1
Fan motors	Type		DC	DC	DC	DC
	Quantity		1	1	1	1
	Airflow rate	m^3/h	12600	12600	13500	14400
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	7	7	7	7
Pipe connections[3]	Liquid pipe	mm	Ø12.7	Ø12.7	Ø12.7	Ø12.7
	Gas pipe	mm	Ø25.4	Ø25.4	Ø25.4	Ø25.4
Sound pressure level[4]		dB(A)	56	57	59	59
Sound power level[4]		dB(A)	83	84	85	86
Net dimensions (W×H×D)		mm	940×1760×825	940×1760×825	940×1760×825	940×1760×825
Packed dimensions (W×H×D)		mm	1005×1945×890	1005×1945×890	1005×1945×890	1005×1945×890
Net weight		kg	195	195	197	197
Gross weight		kg	213	213	215	215
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP			16	18	20	22
Model			MV8Xi-450WV2GN1(PRO)	MV8Xi-500WV2GN1(PRO)	MVXi-560WV2GN1(PRO)	MV8Xi-615WV2GN1(PRO)
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	45.0	50.0	56.0	61.5
		kBtu/h	153.5	170.6	191.1	209.8
	Power input	kW	12.8	14.7	16.7	18.8
	EER		3.52	3.41	3.35	3.27
Heating[2]	Capacity	kW	50.0	56.0	63.0	69.0
		kBtu/h	170.6	191.1	215.0	235.4
	Power input	kW	11.7	13.7	16.0	17.4
	COP		4.26	4.09	3.94	3.96
Connected indoor unit	Total capacity		50%-130%	50%-130%	50%-130%	50%-130%
	Maximum quantity		26	29	33	36
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		1	1	1	2
Fan motors	Type		DC	DC	DC	DC
	Quantity		1	1	1	2
	Airflow rate	m^3/h	15600	15600	16500	22000
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	8	8	8.4	9.3
Pipe connections[3]	Liquid pipe	mm	Ø15.9	Ø15.9	Ø15.9	Ø15.9
	Gas pipe	mm	Ø28.6	Ø28.6	Ø28.6	Ø28.6
Sound pressure level[4]		dB(A)	60	61	62	62
Sound power level[4]		dB(A)	86	88	89	89
Net dimensions (W×H×D)		mm	940×1760×825	940×1760×825	1340×1760×825	1340×1760×825
Packed dimensions (W×H×D)		mm	1005×1945×890	1005×1945×890	1405×1945×890	1405×1945×890
Net weight		kg	213	213	215	295
Gross weight		kg	230	230	232	315
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

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. Diameters given are those of the unit's stop valves.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

HP			24	26	28	30
Model			MV8Xi-670WV2GN1(PRO)	MV8Xi-730WV2GN1(PRO)	MV8Xi-785WV2GN1(PRO)	MV8Xi-850WV2GN1(PRO)
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	67.0	73.0	78.5	85.0
		kBtu/h	228.6	249.1	267.9	290.0
	Power input	kW	20.9	22.4	24.0	26.5
	EER		3.20	3.26	3.27	3.21
Heating[2]	Capacity	kW	75.0	81.5	87.5	95.0
		kBtu/h	255.9	278.1	298.6	324.2
	Power input	kW	19.6	21.5	23.6	26.4
	COP		3.83	3.79	3.71	3.60
Connected indoor unit	Total capacity		50%-130%	50%-130%	50%-130%	50%-130%
	Maximum quantity		39	43	46	50
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		2	2	2	2
Fan motors	Type		DC	DC	DC	DC
	Quantity		2	2	2	2
	Airflow rate	m^3/h	22000	21500	21500	29000
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	9.3	12	12	19
Pipe connections[3]	Liquid pipe	mm	Ø15.9	Ø15.9	Ø15.9	Ø22.2
	Gas pipe	mm	Ø28.6	Ø28.6	Ø28.6	Ø31.8
Sound pressure level[4]		dB(A)	62	62	63	64
Sound power level[4]		dB(A)	92	93	93	93
Net dimensions (W×H×D)		mm	1340×1760×825	1340×1760×825	1880×1760×825	1880×1760×825
Packed dimensions (W×H×D)		mm	1405×1945×890	1405×1945×890	1945×1945×890	1945×1945×890
Net weight		kg	295	315	315	373
Gross weight		kg	315	335	335	403
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP			32	34	36	38
Model			MV8Xi-900WV2GN1(PRO)	MV8Xi-950WV2GN1(PRO)	MV8Xi-1010WV2GN1(PRO)	MV8Xi-1060WV2GN1(PRO)
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling[1]	Capacity	kW	90.0	95.2	101.0	106.0
		kBtu/h	307.1	324.8	344.6	361.7
	Power input	kW	28.2	30.5	32.8	35.2
	EER		3.19	3.12	3.08	3.01
Heating[2]	Capacity	kW	100.0	106.0	112.0	119.0
		kBtu/h	341.2	361.7	382.2	406.0
	Power input	kW	28.7	31.8	34.5	37.9
	COP		3.49	3.33	3.25	3.14
Connected indoor unit	Total capacity		50%-130%	50%-130%	50%-130%	50%-130%
	Maximum quantity		53	56	59	62
Compressors	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		2	2	2	2
Fan motors	Type		DC	DC	DC	DC
	Quantity		2	2	2	2
	Airflow rate	m^3/h	28000	28000	29000	29000
	Static pressure	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Factory charge	kg	21	21	21	21
Pipe connections[3]	Liquid pipe	mm	Ø22.2	Ø22.2	Ø22.2	Ø22.2
	Gas pipe	mm	Ø34.9	Ø34.9	Ø34.9	Ø34.9
Sound pressure level[4]		dB(A)	64	66	66	67
Sound power level[4]		dB(A)	93	94	94	94
Net dimensions (W×H×D)		mm	1880×1760×825	1880×1760×825	1880×1760×825	1880×1760×825
Packed dimensions (W×H×D)		mm	1945×1945×890	1945×1945×890	1945×1945×890	1945×1945×890
Net weight		kg	405	405	408	408
Gross weight		kg	435	435	438	438
Ambient temp. operation range	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30

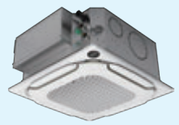
Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
3. Diameters given are those of the unit's stop valves.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

Indoor Units

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

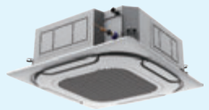
Inoor Unit Lineup

Compact Four-way Cassette



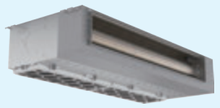
- 575mm compact body size
- 360° airflow
- Individual louver control
- 3.5m high ceiling installation
- Built-in 1200mm high-lift drain pump
- Optional medium efficiency filter
- Optional plasma sterilization module

Four-way Cassette



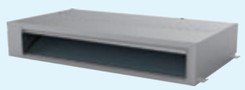
- 360° airflow, uniform air flow and temperature distribution
- Individual louver control
- Built-in 1200mm high-lift drain pump
- Optional medium efficiency filter
- Optional plasma sterilization module

Arc Duct



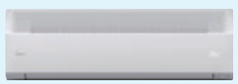
- 199mm ultra-thin height (all models)
- 450mm ultra-narrow depth (all models)
- Static pressure adaption, constant air volume supply
- Built-in 1200mm high-lift drain pump
- Optional medium efficiency filter
- Optional plasma sterilization module

Medium Static Pressure Duct



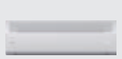
- ESP up to 160Pa (all models)
- 245mm ultra-thin height (all models)
- Static pressure adaption, constant air volume supply
- Built-in 1200mm high-lift drain pump
- Optional HEPA filter with H12 rating
- Optional medium to high efficiency filter
- Optional plasma sterilization module

Wall Mounted



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

Inoor Unit Lineup

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

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

Indoor Unit Functions

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

	Functions ●: equipped as standard; ○: customization option; ×: without this function		Compact Four-way Cassette	Four-way Cassette	Arc Duct	MSP Duct	Wall Mounted
ENERGY SAVING	META mode	Triple variable control maximizes energy saving operation	●	●	●	●	●
	ECO mode	The setting temperature rises automatically by 1℃ per hour, up to 3℃	●	●	●	●	●
	Full DC electronic components	The fan motor and water pump are DC power supply	●	●	●	●	●
	Human Detect Sensor	Using millimeter-wave radar sensor controller automatically turns indoor units on or off upon detecting that the room is occupied or unoccupied, ensuring climate control whilst minimizing energy consumption.	○	○	×	×	○
EASY Installation & Service	Program upgrade	Midea V8 can upgrade all indoor units at the same time on the outdoor unit, more easy program upgrade.	●	●	●	●	●
	Long distance air delivery	Provides adequate airflow and capacity under high ceiling conditions	3.5m	3m	×	×	×
	High-lift drain pump	Facilitates condensation draining from the indoor unit	●	●	●	●	●
	Water level switch	When the drain pipe is blocked or the drain pipe is poor, the water level switch is turned off, and there is no need to worry about overflowing the ceiling.	●	●	●	●	●
	Ceiling anti-dirt setting	The air discharge is specially designed to prevent air blowing against the ceiling to prevent ceiling dirty	●	●	×	×	×
	Air baffle fittings for irregular rooms	Some air discharge ports can be blocked with air baffle to optimize air distribution in irregular shaped rooms	●	●	×	×	×
	2-core non-polarity communication wiring	Simplifies installation and reduces wiring failures	●	●	●	●	●
	Long communication wiring	Communication wiring up to 2000m makes installation more flexible	●	●	●	●	●
	3 digit 7-segment display	3 digit 7-segment display can display more parameters and error information	●	●	●	●	●
	Error codes are further refined	Simplifies maintenance by refined error code	●	●	●	●	●
EASY CONTROL	Timer	Timer can be set to start and stop operation anytime on a daily or weekly basis	●	●	●	●	●
	Infrared remote control	Infrared remote control with LCD to remotely control your indoor unit	●	●	●	●	●
	Wired remote control	Wired remote control to remotely control your indoor unit	●	●	●	●	●
	Group control	Up to 16 indoor units can be in a group control system	●	●	●	●	●
	Centralized control	Centralized control to control several indoor units from one single point	●	●	●	●	●
	Auto-restart	The unit restarts automatically at the original settings after power failure	●	●	●	●	●
	°C/°F setting	Temperature unit °C or °F can be set according to your usage habits	●	●	●	●	●
EXTENDED FUNCTIONS	Humidifier connection	Additional expansion board can achieve third-party humidifier connection	○	○	○	○	○
	Dehumidifier connection	Additional expansion board can achieve third-party dehumidifier connection	○	○	○	○	○
	Electric heater connection	Additional expansion board can achieve third-party electric heater connection	○	○	○	○	○
	Refrigerant leak sensor connection	Additional expansion board can achieve refrigerant leak sensor connection	○	○	○	○	○
	CO2 sensor connection	Additional expansion board can achieve CO2 sensor connection	○	○	○	○	○
	PM2.5 sensor connection	Additional expansion board can achieve PM2.5 sensor connection	○	○	○	○	○
	Third-party controller connection	Third party controller can realize mode, fan speed and temperature control	○	○	○	○	○
	Long-distance on/off function	Long-distance startup or shutoff the system	○	○	○	○	○
	Long-distance alarm function	Long-distance alarm when an error occurs	○	○	○	○	○
	Multiple protections	Multiple protections make the unit run more reliably	●	●	●	●	●

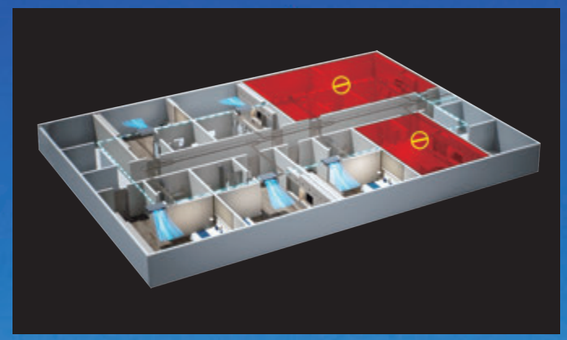
* Heat exchanger self-cleaning function can be available only when V8M is connected. There is no AHU-Kit, Fresh Air Processing Unit and V6 indoor unites in the system.

HyperLink

Communication distance up to **2000M**

Independent Powera Supply

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

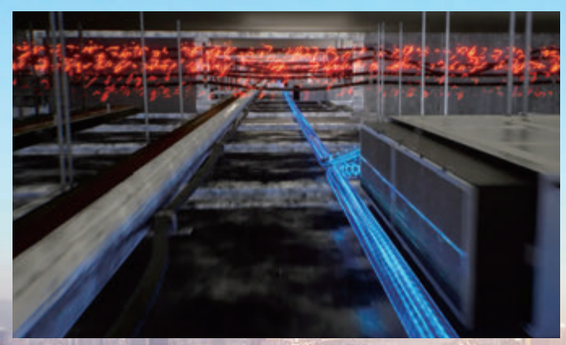


Any Topology Communication

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

Super Anti-interference Capability

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



Frosting

Frost makes the surface of heat exchanger dirt stripping

Defrosting

Water flow flushes dirt from heat exchanger

Drying

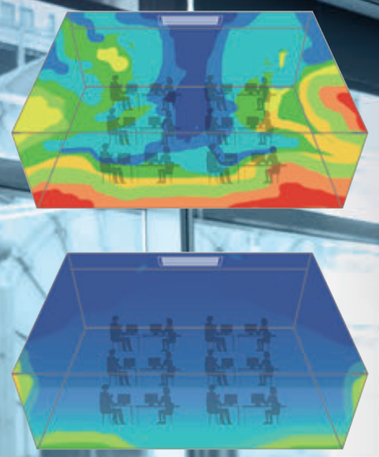
55˚C high temperature drying water, effective sterilization

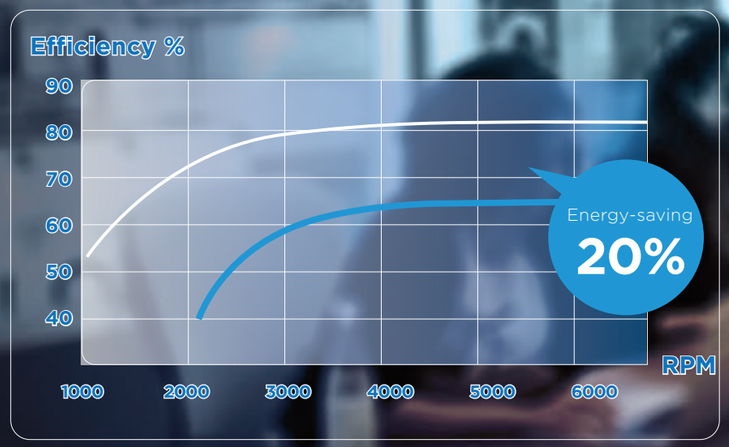
HEAT EXCHANGER SELF-CLEANING*

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

Full DC Electronic Components

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





Optional Multi-Functional Expansion Board

Humidity control

Electric heater connection

Multiple protections

Long-distance on/off function

Long-distance alarm function

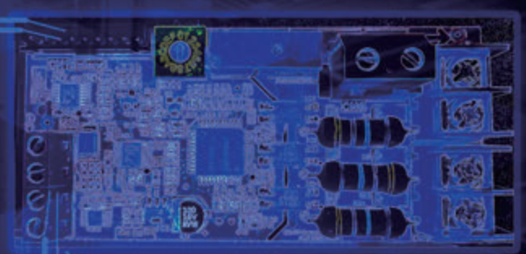
Humidifier/ Dehumidifier connection

Third-party controller connection

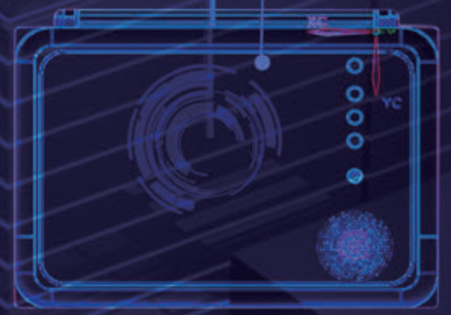
CO_2 sensor connection

PM2.5 sensor connection

Refrigerant leak sensor connection



Communication Switch Module
(Customized)



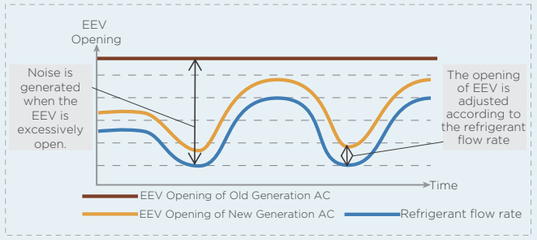
Expansion Board
(Customized)

Compact Four-way Cassette

COMFORT

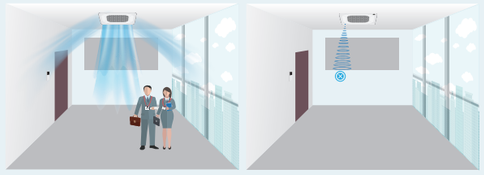
EEV automatic adjustment

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



Human Detect Sensor*

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



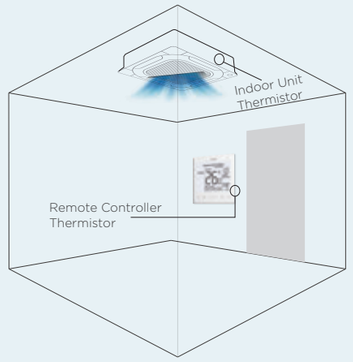
The indoor unit automatically runs when detecting human body

The indoor unit automatically stops when detecting absence

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

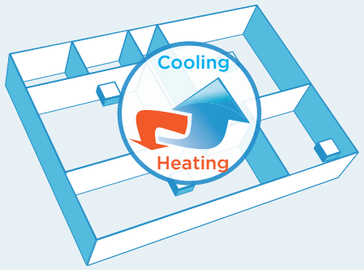
Two thermistors control

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



Auto Cooling-heating Changeover

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



AIR FLOW

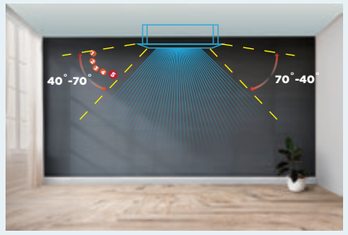
360° Airflow

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

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

Multiple Steps Vertical Swing

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

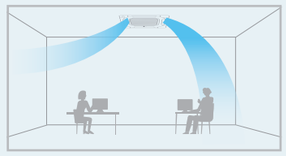


7 Fan Speeds

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

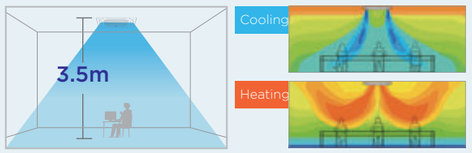
Individual Louver Control

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



Long Distance Air Delivery

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



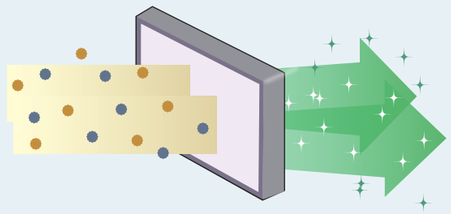
Soft Wind Mode

Supplies air against the ceiling to create windless environment.

HEALTH

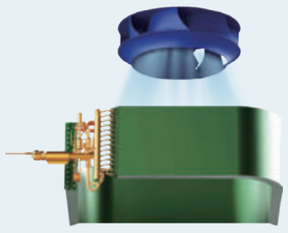
Optional F6-class Air Filter

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



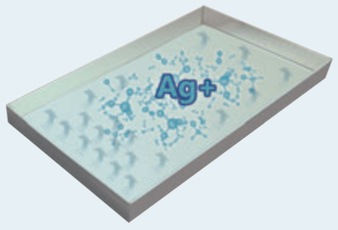
Mildew proof of heat exchanger

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



Silver Ions drain pan (optional)

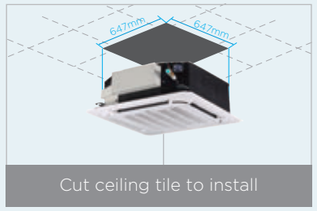
Slow-released nano-silver ions can keep the drain pan free of mold for a long time.



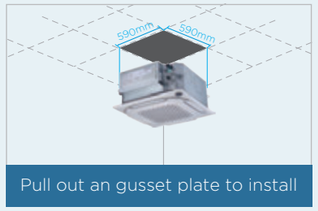
EASY INSTALLATION

Compact and stylish design

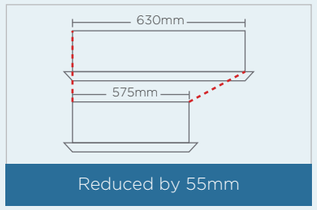
New Compact Four-way Cassette panel size is fit into the ceiling tile(620mm×620mm), making installation easier.



Cut ceiling tile to install



Pull out an gusset plate to install



Reduced by 55mm

High-lift drain pump

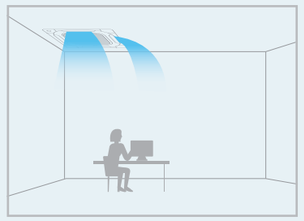
A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.

Water level switch

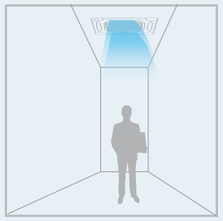
When the drain pipe is blocked or the drain pipe is poor, the water level switch is turned off, and there is no need to worry about overflowing the ceiling.

Air baffle fittings for irregular rooms

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



At the corner



In the narrow room

360° airflow

Individual louver control

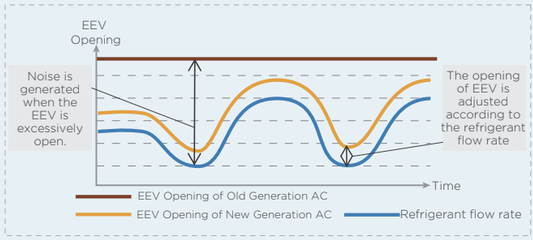
Healthy air supply

Four-way Cassette

COMFORT

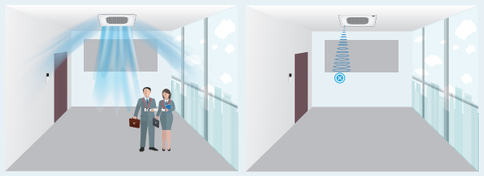
EEV automatic adjustment

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



Human Detect Sensor*

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



The indoor unit automatically runs when detecting human body

The indoor unit automatically stops when detecting absence

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

AIR FLOW

360° Airflow

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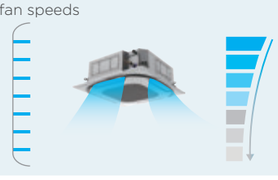
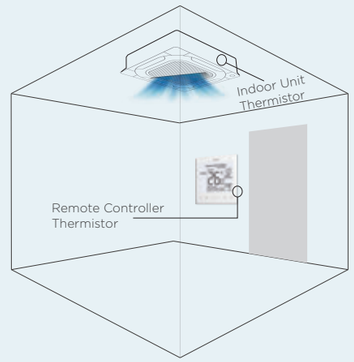
7 Fan Speeds

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



Two thermistors control

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



Auto Cooling-heating Changeover

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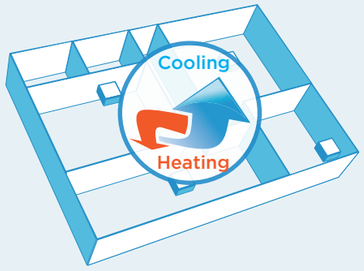

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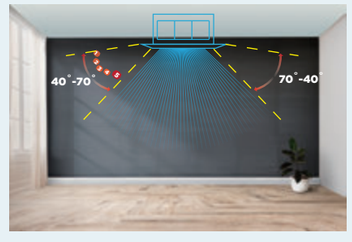

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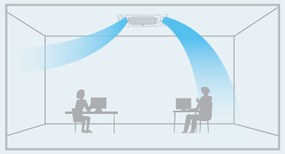

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HEALTH

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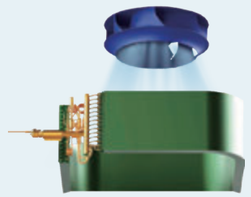

Silver Ions drain pan (optional)

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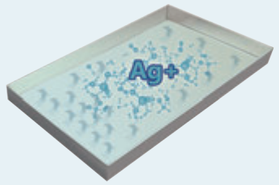

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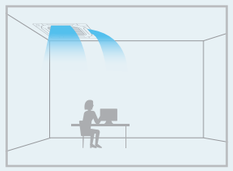
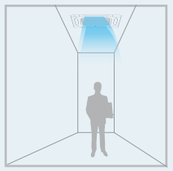


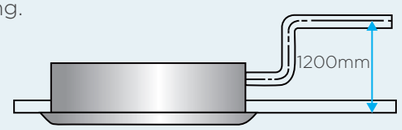
At the corner



In the narrow room

High-lift drain pump

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



Water level switch

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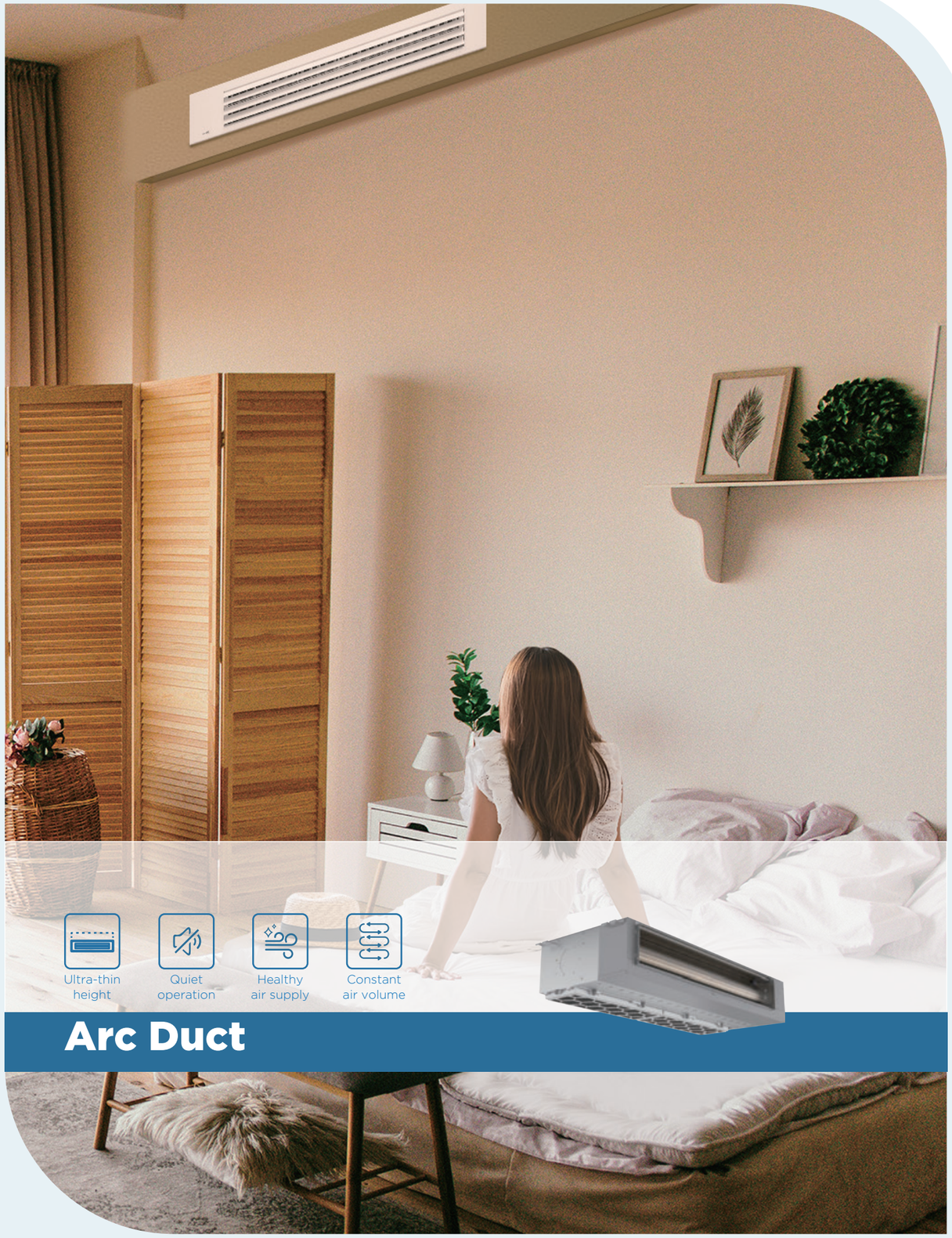


COMFORT

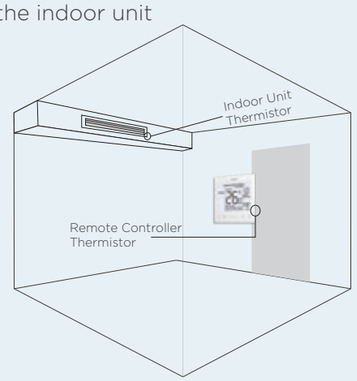
Quiet Operation

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

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

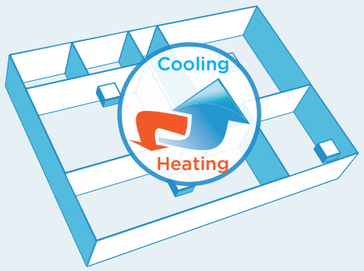
Two thermistors control

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



Auto Cooling-heating Changeover

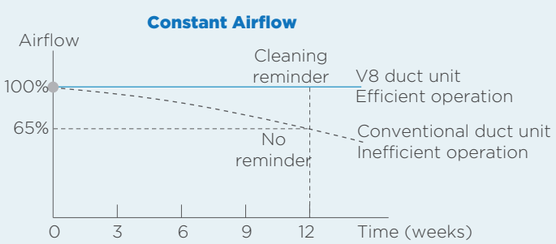
Automatically selects cooling or heating mode to achieve the set temperature.



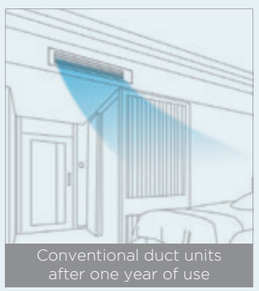
AIR FLOW

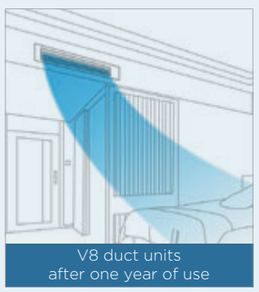
Constant Airflow

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



*Data measured in the UX lab of Midea


Conventional duct units after one year of use


V8 duct units after one year of use

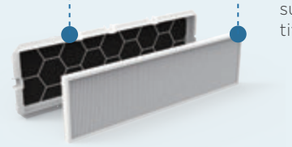
HEALTH

Healthy Air Supply

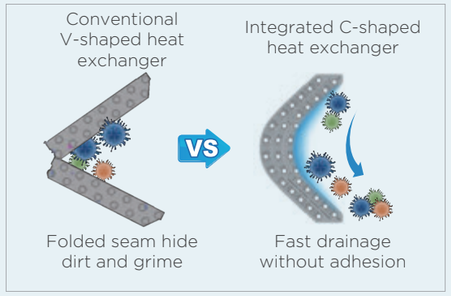
The Arc Duct unit adopts an integrated C-shaped heat exchanger that allows for fast drainage and no dust or ash accumulation. The optional long-life filter, medium-life filter and plasma sterilization module further enhance the air quality of the air supply and create a healthy environment.

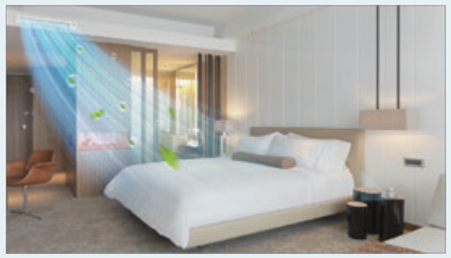
Long-life filter (optional)
Long-life, washable

Medium efficiency filter (optional)
Class F6 filter, filters 1-5μm suspended particles, effectively blocking PM2.5



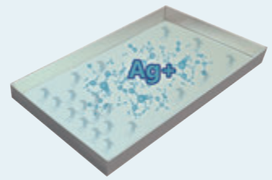
Integrated C-shaped heat exchanger (standard)
Quick discharge of dirt, no accumulation of dust or ash.





Silver Ions drain pan (optional)

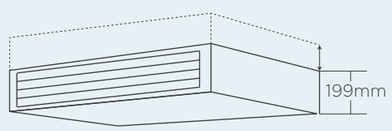
Slow-released nano-silver ions can keep the drain pan free of mold for a long time.



EASY INSTALLATION

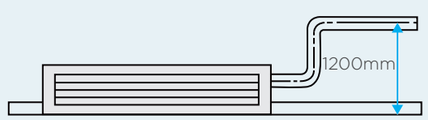
Ultra-thin Body

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



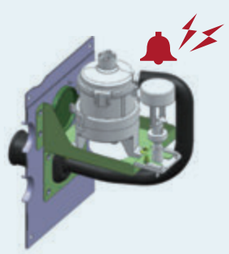
High-lift drain pump

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



Fault Feedback

Early warning of drain pump fault.



Medium Static Pressure Duct

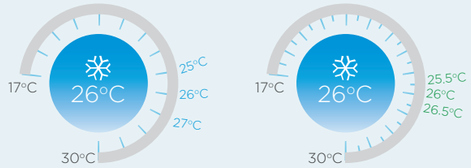
COMFORT

Quiet Operation

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

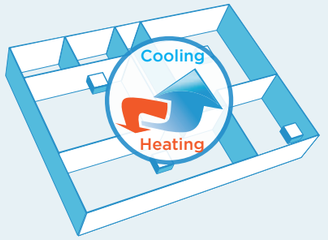
0.5°C/1°C Setting Temperature Adjustment

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



Auto Cooling-heating Changeover

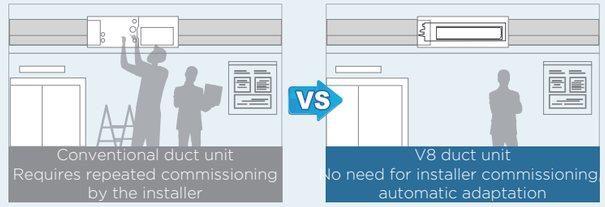
Automatically selects cooling or heating mode to achieve the set temperature.



AIR FLOW

Adaptive Duct Length and Filter Resistance

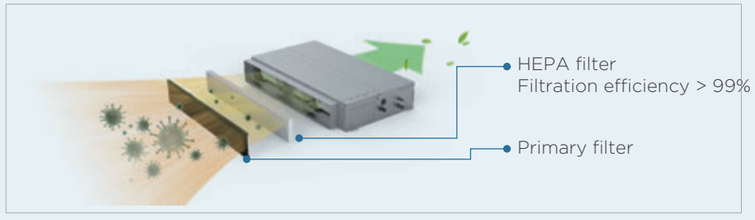
By digital fan motor and a specially designed independent drive chip enables precise control and output on demand. It can automatically adapt to duct lengths from 10 to 160 Pa equivalent static pressure without intervention from the installer.



HEALTH

Optional High Efficiency HEPA Filter*

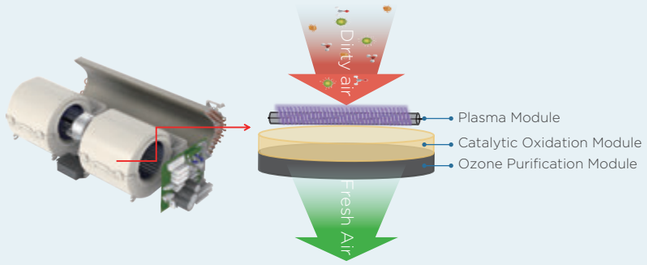
A static pressure of up to 160 Pa enables the application of medical-grade HEPA filters, and even small capacity models can be equipped with high-efficiency filters, efficiently filtering fine particles of 0.5 microns with an efficiency of over 99%.



* This function is available as a customization option.

Plasma sterilization*

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

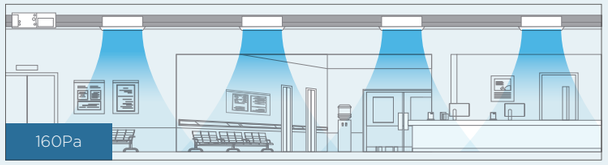


*This function is available as a customization option for Medium Static Pressure Duct

EASY INSTALLATION

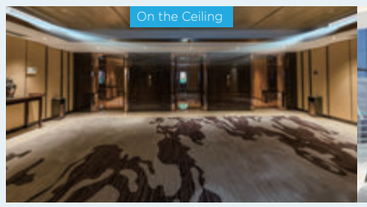
Thin Body with High ESP

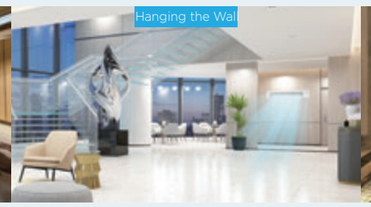
All models have a static pressure of 160 Pa and a thickness of only 245 mm. The high static pressure allows air to be delivered over longer distances without loss of cooling and heating effect. Especially suitable for long and narrow spaces.



3 Way flexible installation

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





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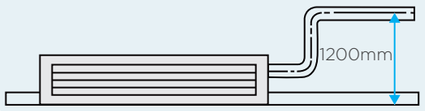
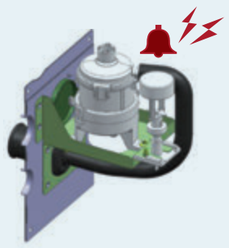
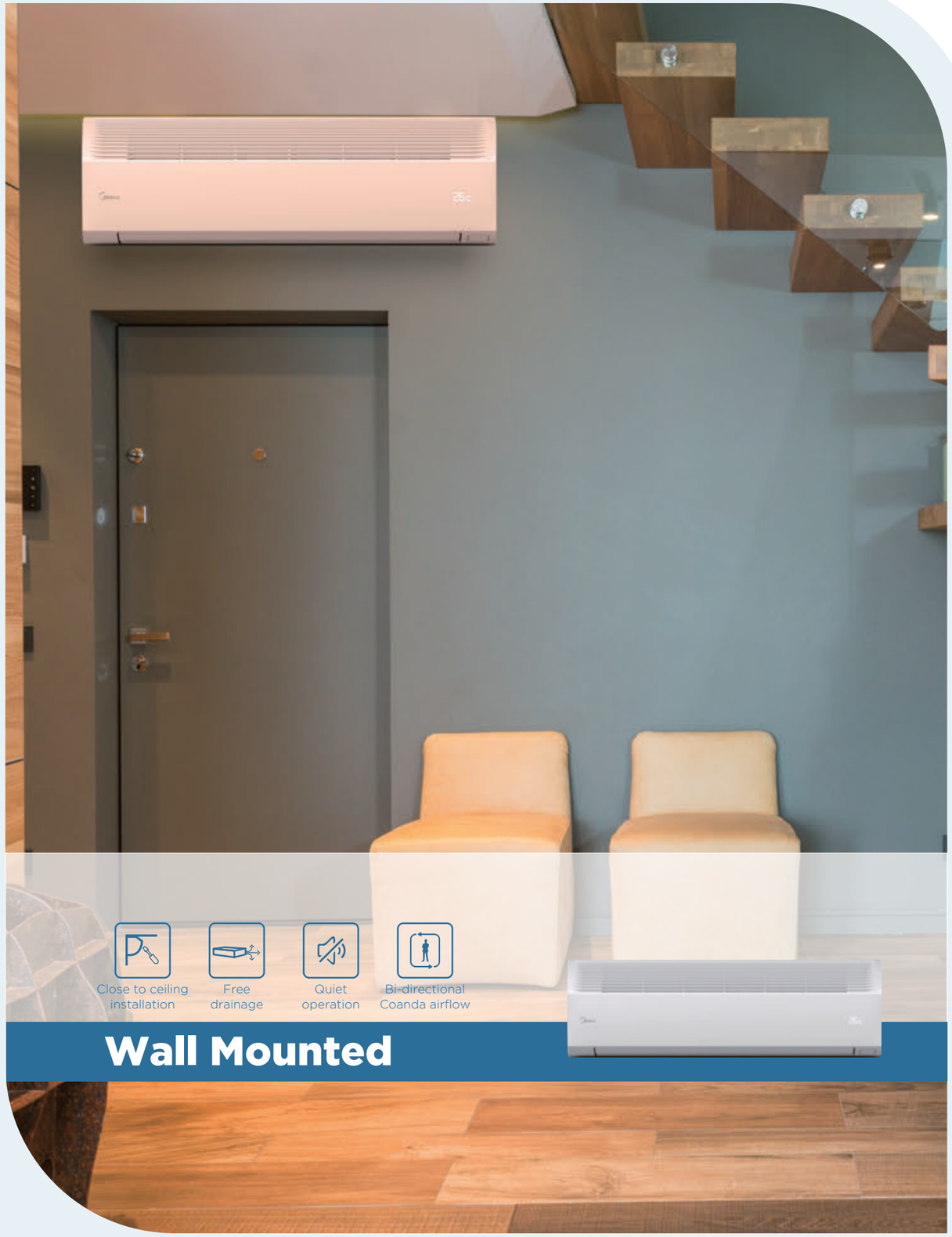


Fault Feedback

Early warning of drain pump fault.





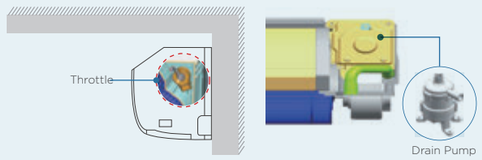
COMFORT

Quiet Operation

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

Enclosed design

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



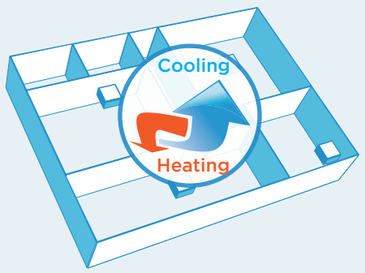
Human Detect Sensor*

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

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

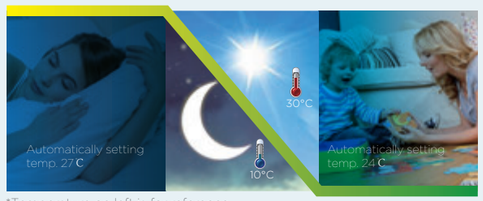
Auto Cooling-heating Changeover

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



Sleep Mode

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

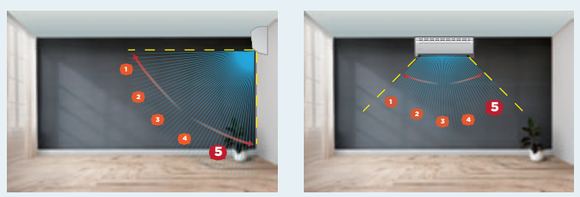


*Temperature on left is for reference.

AIR FLOW

3D Air Flow*

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



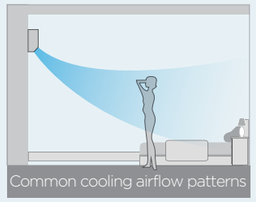
Up & Down

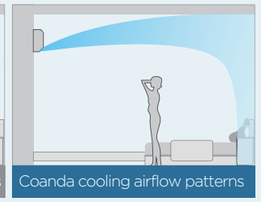
Right & Left

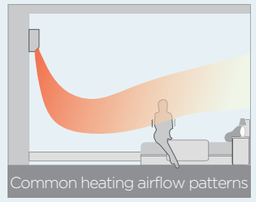
*Horizontal Swing function is available as a customization option for Wall Mounted.

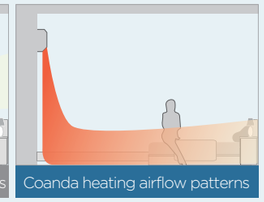
Bi-directional Coanda Airflow

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





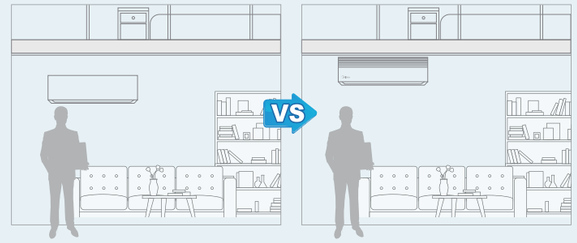




EASY INSTALLATION

Ceiling Mounting

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

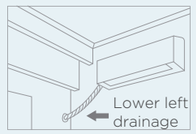


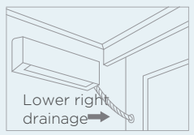
There is some distance from ceiling

The distance from the ceiling is 3cm

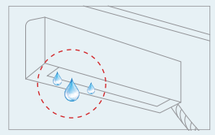
Free Drainage without Space Restrictions

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





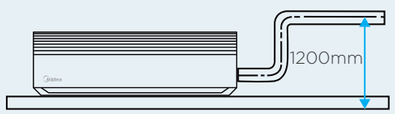
Most conventional Wall Mounted unit does not have a drain pump and the condensate pipe can only be installed underneath the unit, relying on gravity to drain the condensate to the nearest window.



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

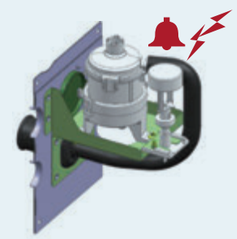
High-lift drain pump

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



Fault Feedback

Early warning of drain pump fault.



Specifications

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

Specifications

Compact Four-way Cassette

Model			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
Air flow rate[3]		m^3/h	450/425/400/370/345/320/295		510/480/455/425/395/370/340	530/500/470/440/405/375/345
Sound pressure level[4]		dB(A)	29/28/27/27/26/26/25		30/29/28/27/26/26/25	31/30/29/28/27/26/25.5
Sound power level		dB(A)	40/39/39/39/38/38/38		42/41/40/39/39/38/38	42/40/39/38/38/38/38
Main body	Net dimensions[5] (W×H×D)	mm	575×235×638			
	Packed dimensions (W×H×D)	mm	690×285×690			
	Net/Gross weight	kg	13.0/15.0			14.0/16.0
Panel	Net dimensions (W×H×D)	mm	620×65×620			
	Packed dimensions (W×H×D)	mm	680×80×665			
	Net/Gross weight	kg	2.4/3.2			
Refrigerant type			R410A/R32			
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7			
	Drain pipe	mm	OD Ø25			

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

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 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. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications

Four-way cassette

Model			MIH28Q4HN18	MIH36Q4HN18
Power supply			1-phase, 220-240V, 50/60Hz	
Cooling[1]	Capacity	kW	2.8	3.6
		kBtu/h	9.6	12.3
	Power input	W	17.0	17.0
Heating[2]	Capacity	kW	3.2	4.0
		kBtu/h	10.9	13.7
	Power input	W	17.0	17.0
Air flow rate[3]		m^3/h	790/706/662/621/577/533/492	790/706/662/621/577/533/492
Sound pressure level[4]		dB(A)	30/29/28/27/26.5/26/25	30/29/28/27/26.5/26/25
Main body	Net dimensions[5] (W×H×D)	mm	840×840×204	840×840×204
	Packed dimensions (W×H×D)	mm	940×940×250	940×940×250
	Net/Gross weight	kg	18/20.5	18/20.5
Panel	Net dimensions (W×H×D)	mm	950×950×50	950×950×50
	Packed dimensions (W×H×D)	mm	1020×1020×90	1020×1020×90
	Net/Gross weight	kg	5.8/7.6	5.8/7.6
Refrigerant type			R410A/R32	
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7
	Drain pipe	mm	OD Ø25	

Model			MIH45Q4HN18	MIH56Q4HN18	MIH71Q4HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	4.5	5.6	7.1
		kBtu/h	15.4	19.1	24.2
	Power input	W	36.0	23.0	32.0
Heating[2]	Capacity	kW	5.0	6.3	8.0
		kBtu/h	17.1	21.5	27.3
	Power input	W	36.0	23.0	32.0
Air flow rate[3]		m^3/h	910/864/792/715/637/568/491	840/765/718/673/627/584/543	1000/927/874/822/768/713/658
Sound pressure level[4]		dB(A)	37/35/33/31/30/28/27	33/32/31/30/29/28/27	37/35/33/31/30/29/28
Main body	Net dimensions[5] (W×H×D)	mm	840×840×204	840×840×204	840×840×204
	Packed dimensions (W×H×D)	mm	940×940×250	940×940×250	940×940×250
	Net/Gross weight	kg	18/20.5	19.5/22	19.5/22
Panel	Net dimensions (W×H×D)	mm	950×950×50	950×950×50	950×950×50
	Packed dimensions (W×H×D)	mm	1020×1020×90	1020×1020×90	1020×1020×90
	Net/Gross weight	kg	5.8/7.6	5.8/7.6	5.8/7.6
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7	Ø9.52/Ø15.9
	Drain pipe	mm	OD Ø25		

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 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. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications

Four-way cassette

Model			MIH80Q4HN18	MIH90Q4HN18	MIH100Q4HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	8.0	9.0	10.0
		kBtu/h	27.3	30.7	34.1
	Power input	W	41.0	43.0	74.0
Heating[2]	Capacity	kW	9.0	10.0	11.2
		kBtu/h	30.7	34.1	38.2
	Power input	W	41.0	43.0	74.0
Air flow rate[3]		m^3/h	1100/1070/980/889/801/706/616	1330/1158/1084/1006/932/859/783	1470/1360/1256/1143/1031/922/811
Sound pressure level[4]		dB(A)	42.5/41/39/37/35/32/30	38/36/34/31.5/30.5/30/29	43/41/39/37/35/34/33
Main body	Net dimensions[5] (W×H×D)	mm	840×840×204	840×840×246	840×840×246
	Packed dimensions (W×H×D)	mm	940×940×250	940×940×295	940×940×295
	Net/Gross weight	kg	19.5/22	21.5/24	21.5/24
Panel	Net dimensions (W×H×D)	mm	950×950×50	950×950×50	950×950×50
	Packed dimensions (W×H×D)	mm	1020×1020×90	1020×1020×90	1020×1020×90
	Net/Gross weight	kg	5.8/7.6	5.8/7.6	5.8/7.6
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9	Ø9.52/Ø15.9	Ø9.52/Ø15.9
	Drain pipe	mm	OD Ø25		

Model			MIH112Q4HN18	MIH140Q4HN18	MIH160Q4HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	11.2	14.0	16.0
		kBtu/h	38.2	47.8	54.6
	Power input	W	61.0	118.0	201.0
Heating[2]	Capacity	kW	12.5	16.0	18.0
		kBtu/h	42.7	54.6	61.4
	Power input	W	61.0	118.0	201.0
Air flow rate[3]		m^3/h	1600/1430/1347/1254/1162/1071/979	1900/1793/1678/1565/1443/1338/1219	2100/1961/1818/1681/1537/1397/1257
Sound pressure level[4]		dB(A)	41/40/38/37/35/34/33	47.5/46/43/40/38/37/36.5	50.5/48/46/42/39/37/35
Main body	Net dimensions[5] (W×H×D)	mm	840×840×288	840×840×288	840×840×288
	Packed dimensions (W×H×D)	mm	940×940×335	940×940×335	940×940×335
	Net/Gross weight	kg	24/26.5	24/26.5	26.5/29
Panel	Net dimensions (W×H×D)	mm	950×950×50	950×950×50	950×950×50
	Packed dimensions (W×H×D)	mm	1020×1020×90	1020×1020×90	1020×1020×90
	Net/Gross weight	kg	5.8/7.6	5.8/7.6	5.8/7.6
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9	Ø9.52/Ø15.9	Ø9.52/Ø15.9
	Drain pipe	mm	OD Ø25		

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

Specifications

Arc Duct

Model			MIH15T3HN18	MIH22T3HN18
Power supply			1-phase, 220-240V, 50/60Hz	
Cooling[1]	Capacity	kW	1.5	2.2
		kBtu/h	5.1	7.5
	Power input	W	21	22
Heating[2]	Capacity	kW	1.8	2.5
		kBtu/h	6.1	8.5
	Power input	W	21	22
Air flow rate[3]		m^3/h	340/335/329/320/307/298/290	370/347/339/322/314/ 306/295
External static pressure[4]		Pa	10 (10-50)	
Sound pressure level[4]		dB(A)	27/26/25.5/24.5/23.5/ 22.5/22	28/27.5/26.5/25.5/24.5/23.5/22.0
Sound power level		dB(A)	43.5/43/42.5/42/41.5/41/40	46/45/44/43/42/41/40
Unit	Net dimensions (W×H×D)	mm	653×199×470	
	Packed dimensions (W×H×D)	mm	715×275×525	
	Net/Gross weight	kg	11.5/13.5	
Refrigerant type			R410A/R32	
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	
	Drain pipe	mm	OD Ø25	

Model			MIH28T3HN18	MIH36T3HN18	MIH45T3HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	2.8	3.6	4.5
		kBtu/h	9.6	12.3	15.4
	Power input	W	28	31	43
Heating[2]	Capacity	kW	3.2	4	5
		kBtu/h	10.9	13.7	17.1
	Power input	W	28	31	43
Air flow rate[3]		m^3/h	460/431/413/380/351/ 323/300	605/557/508/453/414/ 365/320	800/770/701/629/557/ 506/435
External static pressure[4]		Pa	10 (10-50)		
Sound pressure level[4]		dB(A)	30/29.5/28.5/27.5/26/24.5/22	30/29.5/28.5/27.5/ 26.5/25.5/25	33/32.5/32/30.5/29/ 27.5/26
Sound power level		dB(A)	50.5/49/47/45.5/43.5/42/40	50.5/49.5/48/47/45.5/42.5/43	52/50.5/49/47.5/46/44.5/43
Unit	Net dimensions (W×H×D)	mm	653×199×470	803×199×470	1003×199×470
	Packed dimensions (W×H×D)	mm	715×275×525	865×275×525	1065×275×525
	Net/Gross weight	kg	11.5/13.5	13.0/15.5	16.5/19.5
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7		
	Drain pipe	mm	OD Ø25		

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 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. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications

Arc Duct

Model			MIH56T3HN18	MIH71T3HN18	MIH80T3HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	5.6	7.1	8
		kBtu/h	19.1	24.2	27.3
	Power input	W	58	65	108
Heating[2]	Capacity	kW	6.3	8	9
		kBtu/h	21.5	27.3	30.7
	Power input	W	58	65	108
Air flow rate[3]		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)	20Pa(10-80)
Sound pressure level[4]		dB(A)	36/34.5/33.5/32.5/ 31/29/27	37/35/34/32.5/31/30/29	36.5/35.5/34.5/33/ 32/31.5/30.5
Sound power level		dB(A)	56/54/52/50/48/46/44	57/55.5/54/52/50.5/49/47	57/56/54.5/53.5/52/51/49.5
Unit	Net dimensions (W×H×D)	mm	1003×199×470	1203×199×470	1703×199×470
	Packed dimensions (W×H×D)	mm	1065×275×525	1265×275×525	1755×255×525
	Net/Gross weight	kg	16.5/19.5	20/23.5	28/32.5
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø9.52/Ø15.9	Ø9.52/Ø15.9
	Drain pipe	mm	OD Ø25		

Model			MIH90T3HN18	MIH112T3HN18
Power supply			1-phase, 220-240V, 50/60Hz	
Cooling[1]	Capacity	kW	9	11.2
		kBtu/h	30.7	38.2
	Power input	W	108	128
Heating[2]	Capacity	kW	10	12.5
		kBtu/h	34.1	42.7
	Power input	W	108	128
Air flow rate[3]		m^3/h	1400/1327/1249/1175/1095/1026/960	1620/1522/1433/1343/1254/1170/1080
External static pressure[4]		Pa	20Pa(10-80)	
Sound pressure level[4]		dB(A)	36.5/35.5/34.5/33/ 32/31.5/30.5	39.5/38/36.5/35/34/ 32.5/31.5
Sound power level		dB(A)	57/56/54.5/53.5/52/51/49.5	60.5/59/57.5/55.5/54/52.5/50.5
Unit	Net dimensions (W×H×D)	mm	1703×199×470	1703×199×470
	Packed dimensions (W×H×D)	mm	1755×255×525	1755×255×525
	Net/Gross weight	kg	28/32.5	
Refrigerant type			R410A/R32	
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9	
	Drain pipe	mm	OD Ø25	

Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 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. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications

Medium Static Pressure Duct

Model			MIH15T2HN18	MIH22T2HN18	MIH28T2HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	1.5	2.2	2.8
		kBtu/h	5.1	7.5	9.6
	Power input	W	33	36	40
Heating[2]	Capacity	kW	1.8	2.5	3.2
		kBtu/h	6.1	8.5	10.9
	Power input	W	33	36	40
Air flow rate[3]		m^3/h	470/438/407/375/343/312/280	500/467/433/400/367/333/300	540/503/467/430/393/357/320
External static pressure[4]		Pa	30 (10-160)		
Sound pressure level[4]		dB(A)	26.5/26/25/24/23/22.5/22	26.5/26/25/24/23/22.5/22	26.5/26/25/24/23/22.5/22
Sound power level		dB(A)	46/44.5/43/41.5/40/38.5/37	47/45.5/44/42.5/41/39.5/38	47/45.5/44/42.5/41/39.5/38
Unit	Net dimensions (W×H×D)	mm	710×245×770		
	Packed dimensions (W×H×D)	mm	765×305×890		
	Net/Gross weight	kg	18.5/21	18.5/21	18.5/21
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7		
	Drain pipe	mm	OD Ø25		

Model			MIH36T2HN18	MIH45T2HN18	MIH56T2HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	3.6	4.5	5.6
		kBtu/h	12.3	15.4	19.1
	Power input	W	50	70	70
Heating[2]	Capacity	kW	4	5	6.3
		kBtu/h	13.7	17.1	21.5
	Power input	W	50	70	70
Air flow rate[3]		m^3/h	575/535/495/455/415/375/335	665/623/580/538/495/453/410	970/904/838/773/707/641/575
External static pressure[4]		Pa	30 (10-160)		
Sound pressure level[4]		dB(A)	29/28/27/26/25/23/22	33/32/29.5/28/26.5/25/24	33/32/31/30/27.5/26/25
Sound power level		dB(A)	50/48.5/47/45/43/41/39	53/51/49/47/45/43/41	55/53/51/49/47/45/43
Unit	Net dimensions (W×H×D)	mm	710×245×770		910×245×770
	Packed dimensions (W×H×D)	mm	765×305×890		965×305×890
	Net/Gross weight	kg	18.5/21	19.5/22	24/27.5
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7		
	Drain pipe	mm	OD Ø25		

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

Specifications

Medium Static Pressure Duct

Model			MIH71T2HN18	MIH80T2HN18	MIH90T2HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	7.1	8	9
		kBtu/h	24.2	27.3	30.7
	Power input	W	96	102	110
Heating[2]	Capacity	kW	8	9	10
		kBtu/h	27.3	30.7	34.1
	Power input	W	96	102	110
Air flow rate[3]		m^3/h	1150/1068/986/904/822/740/660	1355/1263/1172/1080/988/897/805	1420/1323/1225/1128/1030/933/835
External static pressure[4]		Pa	30 (10-160)	40 (10-160)	40(10-160)
Sound pressure level[4]		dB(A)	35/33.5/32/30.5/29/27.5/26	37/35.5/34/32.5/31/29.5/28	37/35.5/34/32.5/31/29.5/28
Sound power level		dB(A)	58/56/54/51.5/48/47/45	59/57/55/53/51/49/47	59/57/55/53/50.5/48/46
Unit	Net dimensions (W×H×D)	mm	910×245×770	1160×245×770	
	Packed dimensions (W×H×D)	mm	965×305×890	1215×305×890	
	Net/Gross weight	kg	25/28.5	30/33.5	31/34.5
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9		
	Drain pipe	mm	OD Ø25		

Model			MIH112T2HN18	MIH140T2HN18	MIH160T2HN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	11.2	14	16
		kBtu/h	38.2	47.8	54.6
	Power input	W	138	172	210
Heating[2]	Capacity	kW	12.5	16	18
		kBtu/h	42.7	54.6	61.4
	Power input	W	138	172	210
Air flow rate[3]		m^3/h	1950/1817/1683/1550/1417/1283/1150	2105/1971/1837/1703/1568/1434/1300	2350/2160/2015/1871/1776/1533/1400
External static pressure[4]		Pa	40 (10-160)	50 (10-160)	
Sound pressure level[4]		dB(A)	39/37/35/33/31/29/28	40/38/36/34/32/30/29	42/40/38/36/34/33/31
Sound power level		dB(A)	60/58/56.5/55/53.5/52/50	64/62/61.5/59.5/57.5/55/53	65/63/61/58.5/56.5/54/52
Unit		mm	1510×245×770		
		mm	1565×305×890		
	Net/Gross weight	kg	37/41.5	39/43.5	39/43.5
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9		
	Drain pipe	mm	OD Ø25		

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

Specifications

Wall Mounted

Model			MIH15GHN18	MIH22GHN18	MIH28GHN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	1.5	2.2	2.8
		kBtu/h	5.1	7.5	9.6
	Power input	W	18	21	24
Heating[2]	Capacity	kW	1.7	2.4	3.2
		kBtu/h	5.8	8.2	10.9
	Power input	W	18	21	24
Air flow rate[3]		m^3/h	460/440/420/400/380/360/340	500/470/440/410/390/370/340	540/510/470/430/400/370/340
Sound pressure level[4]		dB(A)	32/31/30/30/29/28/27	33/32/31/30/29/28/27	35/34/33/32/31/30/28
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
Unit	Net dimensions (W×H×D)	mm	750×295×265	750×295×265	750×295×265
	Packed dimensions (W×H×D)	mm	875×390×360	875×390×360	875×390×360
	Net/Gross weight	kg	9/11	9/11	10/12
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7	Ø6.35/Ø12.7
	Drain pipe	mm	OD Ø16	OD Ø16	OD Ø16

Model			MIH36GHN18	MIH45GHN18	MIH56GHN18
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	3.6	4.5	5.6
		kBtu/h	12.3	15.4	19.1
	Power input	W	27	30	40
Heating[2]	Capacity	kW	4	5	6.3
		kBtu/h	13.6	17.1	21.5
	Power input	W	27	30	40
Air flow rate[3]		m^3/h	580/540/500/460/420/380/340	720/670/620/560/510/460/410	860/780/700/620/550/480/410
Sound pressure level[4]		dB(A)	37/36/34/33/31/30/28	37/35/33/32/31/30/29	41/39/37/35/33/31/29
Sound power level		dB(A)	54/53/51/50/48/46/44	54/52/50/49/48/46/44	56/54/52/50/48/46/44
Unit	Net dimensions (W×H×D)	mm	750×295×265	950×295×265	950×295×265
	Packed dimensions (W×H×D)	mm	875×390×360	1075×390×360	1075×390×360
	Net/Gross weight	kg	10/12	11.5/14	11.5/14
Refrigerant type			R410A/R32		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7	Ø6.35/Ø12.7
	Drain pipe	mm	OD Ø16	OD Ø16	OD Ø16

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