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14001

ISO 9001 ISO

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Midea Building Technologies Division

Midea Group

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Postal code: 528311

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

Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document



Midea VRF 50/60Hz Catalogue

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MAKE A BEAUTIFUL TOMORROW

V6

 $\mathbf{\Gamma}$

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.

2008-2009

Developed DC inverter technology

with Toshiba

Launched the DC Inverter V4 globally

2000-2001

Cooperated with Toshiba and

Copeland, enter VRF field



Screw/Scroll Chillers and AHU/FCU. MBT Hefei: 11 product lines focusing on VRF, Chillers and Heat Pump Water Heaters. packaged, split and close control and so on.

2014

Launched the All DC Inverter V5X globally, outstanding product performance helps Midea leading VRF market

2018-2019 Launched the All DC

2014-2015

 Won FIFA World Cup Stadiums project in Brazil Beira Rio, Olympic Games Stadiums project in Brazil • Rio de Janeiro and Africa games Stadiums project in Congo Brazzaville successively

Inverter Cooling Only VC Pro VRF, ultra cool for hot regions

• Launched the new generation heat recovery VRF V6R Series globally, providing complete HVAC solutions and satisfying all building needs from one manufacturer • Acquired the Chinese national brand Linvol Elevator and entered the elevator industry.

1999 Entered the building technology field

2011-2014

Launched the DC Inverter V4 Plus Series successively, compl product lines help Midea successfully enter the mainstream VRF mar

2011-2012

J.V. with Carrier LA and Carrier India successively

2017-2018

Launched the new generation heat pump VRF globally, leading in VRF market

6 Acquired 80% stake in Clivet

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

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

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

Clivet S.p.A: 50,000m2 workshop in Feltre and Verona, covering products such as ELFO system, hydronic, WHLP,

2020-2021

Benefits of Midea VRF

Healthy Operation

• An outside air intake port in the indoor unit allows outdoor fresh air to be introduced into indoor rooms

• Puro-Air kit, powered by OSRAM's UVC lamps, can effectively kill bacteria, viruses and odors of indoor air to provide a healthy and safe indoor environment

• PCO-kit use magnetic particles coated with TiO2nanoparticles to oxidize organic pollutants to produce harmless substances such as carbon dioxide and water

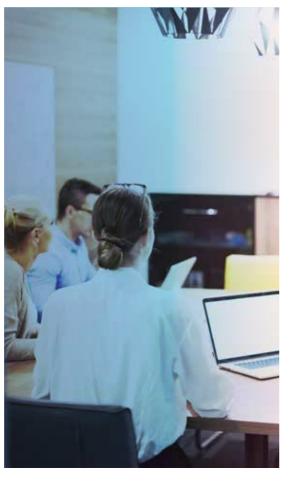
Cost Saving Operation

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

Comfortable Environment

• 0.5° C or 1° C steps temperature setting and 7 fan speeds, providing comfortable environment

• Zen air technology ensuring comfortable in any condition • Noise level is as low as 22dB(A), creating a quiet environment



Benefits for Building Owners

\$

Energy Saving Management

· Centralized and unified management of all equipment, saving energy and manpower

• Remote access to CCM-15 allows anytime, anywhere control (via mobile app "M-Control")



Reliable Operation

• The key components are made of internationally renowned brands, like Hitachi, Danfoss, FUJIKOKI, Infineon, Mitsubishi etc., enhancing better performance and guaranteeing reliable operation

• Electric control parts are produced by well-known Midea-SIIX Electronics Corporation, enhancing reliability

• Doctor M technology real-time monitoring system operation, timely self-diagnosis, ensuring stable and reliable operation

Backup Solution

 Double back-up function allowing time for maintenance or repair whilst maintaining comfort

· Maintenance mode can be activated on site during maintenance period as the remaining indoor units continue to operate



Benefits for Consultants



Diversified Solutions

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



Professional Tool and Support

 MSSP (Midea Selection Software Platform) enables an easy and quick selection tion and provides comprehensive system design reports and calculations • CFD analysis helps optimize solutions and anticipate potential problems in advance

• Energy consumption analysis helps to provide optimal design solutions



Design Flexibility

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

Benefits for Construction Companies



Green Solutions

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



Space Saving Design

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



Intelligent Management

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







Application Solutions

Office Complexes

Enjoy comfort while working

High-rise office building

JKIGUATEM V6 / V6R VRFHigh Static Pressure Duct ◆V6 / V6i VRF ◆DX AHU/HRV ◆ Medium Static Pressure Duct ◆Central Controller ♦BMS Controller ◆Four-way Cassette ◆Four-way Cassette

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

Hotels & Shopping Malls

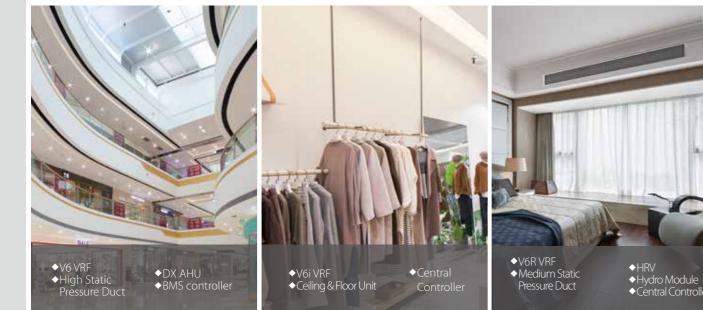
Increase your business, not your bills

Shopping Malls

Retails

Hotel

Small and medium-sized office buildings



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

Residential Apartments

One for Every home

Apartments



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

Other Applications

Meeting all expectations

Hospitals

Schools



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

Villas

Airports

MBT Learning Academy

MBT Learning Academy



Objective

MBT Learning Academy aims to provide training to the sales personnel as well as technical personnel in order to increase the utilization for your MBT equipment. Once you have purchased equipment from MBT, taking care of the equipment is topmost priority. MBT Learning Academy offers training courses to learn firsthand from the manufacturer what it takes to get the best out of your MBT product. The goal of MBT Learning Academy is to provide product specific training, safe work procedures and expertise in carrying out the installation and maintenance of MBT products as well as teaching the main selling points in order to help the sales people sell the MBT products with ease.

Training Centers

Our world class training centers provide knowledge and skills necessary to efficiently deploy MBT technologies. The training centers include dedicated laboratories to provide hands-on experiences with various systems, components and controls to refresh and enhance the skills of your sales, design and installation and service teams. Right now we operate our trainings from the below two locations:

1. MBT Training Center

Address: MBT Training Center, 2nd Floor, Building 6, Midea Global Innovation Center, Beijiao, Shunde, Foshan, China Pin-528311

The Midea MBT Training Center is situated 70 kilometers from Baiyun Guangzhou International Airport. Products: VRF, M thermal

2. Chongqing Midea Training Center

Address: No. 15, Qiangwei Road, Nan'an District, Chongqing, China Chongqing Midea Training Center is 35 kilometers from Chongqing International Airport. Products: Centrifugal Chiller, Screw/Scroll Chiller and Terminals



VRF training

M thermal training



Global Technical Trainings

The training courses by MBT Learning Academy are divided into the following two categories with different targeted audiences for each.

Design and Application Trainings: The design and application trainings for various products are basically for the sales personnel selling MBT products in order to give them basic understanding about the main features. The trainings are conducted on a global level inviting sales engineers, technical engineers, consultants and project designers from different parts of the world.

After Sales- Service Trainings: These trainings are dedicated for the After Sales/ Service personnel in order for them to better carry out the installation, commissioning and maintenance of MBT products. Technical person and engineers from different parts of the world are invited to take part in these trainings.

Online Trainings: The trainings to the Global customers can also be done online with the help of Team and Midea Meeting software. This way, the customers do not need to be physically present for the training. Amid the COVID-19 pandemic, MBT Learning Academy has conducted a lot of online trainings. The training videos are available on the TSP system and can be downloaded by using QR codes.

Products: VRF, M thermal, Chillers and Terminals

Highly Skilled Trainers: The trainers for various courses by MBT Learning Academy are expert people with vast experiences in their field. Most of them have a deep insight about the global HVAC market and help the attendees to better understand the MBT products.

Training Certificates:

The attendees for Global trainings are provided a training certificate highlighting the courses discussed in the training, signed by Mr. Henry Cheng, General Manager of MBT Overseas Sales Company.

Registration:

You can contact your respective Midea contact point to provide you with the complete schedule about the global technical trainings as well as how to register for these trainings.

For further enquiries about the Global Trainings conducted by MBT Learning Academy, please send email at the following email address: peeyush@midea.com

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Course List



VRF VC PRC Course List



VRF V6R Course List

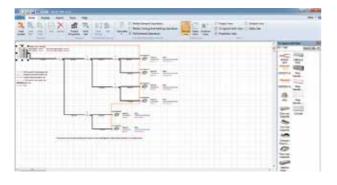
Engineering Capability Midea Tool and Support

Midea dedicated to provide the best HVAC engineering supportand solutionsfocused oneffectively designed, built, supervised, and maintained throughout the lifecycle, providing our customers a faster, easier, and a more accurate way in everyday duties.



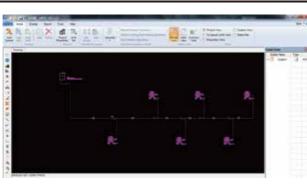
MSSP-Drag/Drop Design

MSSP-Drag/Drop design enables an easy and quick selection and provides comprehensive system design reports and calculations. Note: MSSP (Midea Selection Software Platform)



MSSP-CAD Design

MSSP-CAD design enables an visual and fast selection and provides comprehensive system design reports and calculations. Note: MSSP (Midea Selection Software Platform)



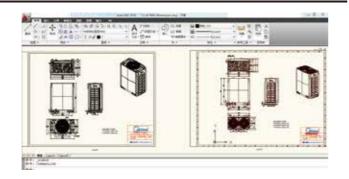
Revit Family

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



CAD Drawing

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

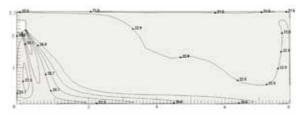


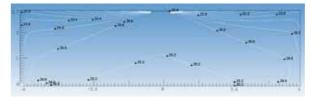


CFD (Computational Fluid Dynamics)

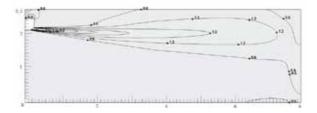
CFD Analysis is applied in areas of estimating: indoor airflow and temperature distribution. By running a simulation before construction, engineers estimate possible issues and find optimal solutions of malfunction that could occur after construction

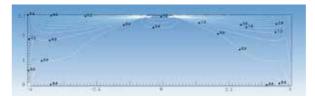
Temperature distribution

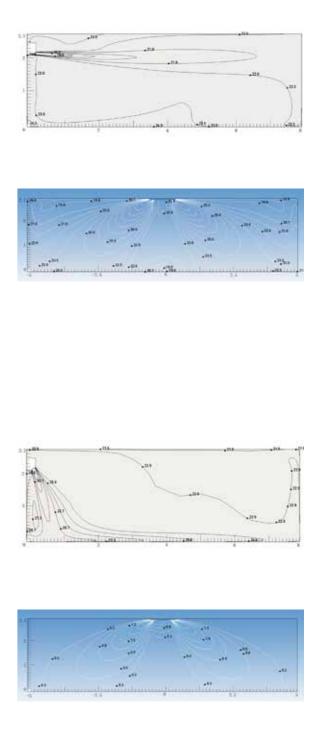




Airflow distribution







Global Spare Center

A

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.

Country / Territory **United States Puerto Rico**

Iceland Russia REGIONAL SPARE PARTS CENTER IN GEORGIA Belarus Kazakhstan ekistan Kyrgyzstan likistan







INDOOR UNITS

- 081 Normal VRF Indoor Units
- 133 DX Modular Air Handling Unit
- 139 Heat Recovery Ventilator
- 143 Puro-Air Kit





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OUTDOOR UNITS

Air cooled - heat pump VRF

033 VRF V6

041 VRF V6i

045 VRF V4+i - side discharge

047 Mini VRF

Air cooled - heat recovery VRF

053 VRF V6R

Air cooled - cooling only VRF

- 061 VRF VC Pro
- 069 VRF VC-i
- 071 Mini VRF

Water cooled VRF

075 VRF V4+W

03

CONTROL SYSTEMS

155 Remote Controllers

- 157 Wired Controllers
- 161 Central Controllers
- 166 Data Converter
- 170 Network Control System
- 175 BMS Gateways
- 185 Accessories

BRANCH JOINTS

199 Branch Joints207 Branch Headers





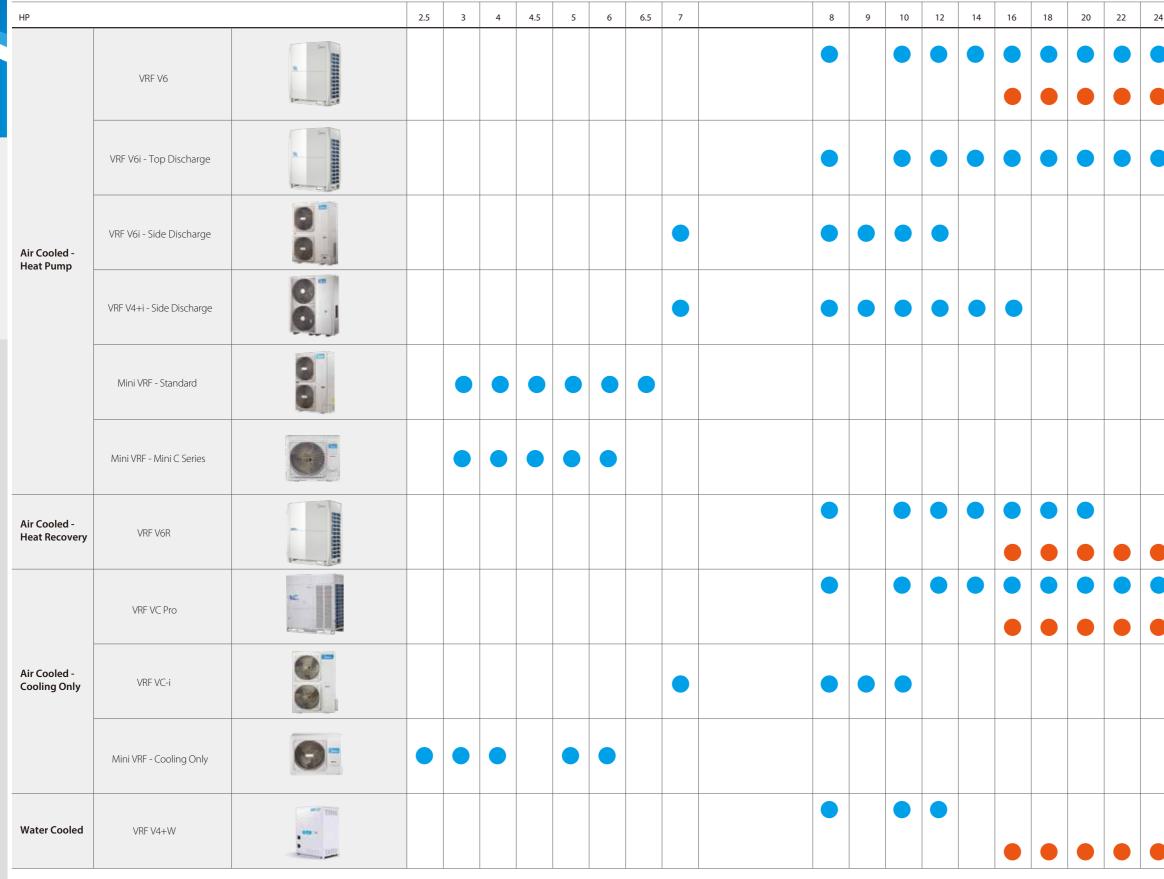


OUTDOOR UNITS

Air Cooled - Heat Pump VRF Air Cooled - Heat Recovery VRF Air Cooled - Cooling Only VRF Water Cooled VRF



Outdoor Unit Lineup



Single unit Combination unit

	92-96	62-90	38-60	36	34	32	30	28	26	4
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Outdoor Unit Lineup										
oor										
Unit										
Line										
eup										
				-						

Outdoor Unit Functions

Functions					Air Cooled - Heat Pump			Air Cooled - Heat Recovery		Air Cooled - Cooling Only		Water Cooled
Functions		VRF V6	VRF V6i- top discharge	VRF V6i- side discharge	VRF V4+i- side discharge	Mini VRF - standard	Mini VRF - Mini C series	VRF V6R	VRF VC Pro	VRF VC-i	Mini VRF (cooling only)	VRF V4+W
	META technology	•	•	×	×	×	×	•	•	×	×	×
Key Technology	Zen air	•	•	•	•	•	•	•	•	•	•	•
	Doctor M.	•	•	×	×	×	×	•	•	×	×	×
	Full inverter compressors	•	•	•	•	•	•	•	•	•	•	•
	Enhanced Vapor Injection (EVI) compressor	•	•	×	×	×	×	•	×	×	×	×
High	Full DC fan motors	•	•	•	• (20-33.5kW)	•	•	•	•	×	•	×
Efficiency	Plate Heat Exchanger (PHE) subcooling	•	•	×	×	×	×	•	×	×	×	×
	G-type heat exchanger	(24-32HP)	(24-32HP)	×	×	×	×	×	(24-30HP)	×	×	×
	7 levels of energy management	40-100%	40-100%	×	×	×	×	40-100%	40-100%	×	×	×
	Duty cycling	•	×	×	×	×	×	•	•	×	×	•
	Precise oil control	•	•	•	•	•	•	•	•	•	•	•
	Backup operation (compressor)	•	•	×	×	×	×	•	•	×	×	×
	Backup operation (module)	•	×	×	×	×	×	•	•	×	×	•
	Anti-corrosion protection	•	•	•	•	•	•	•	•	•	•	•
High Reliability	UL anti-corrosion certificate	•	•	×	×	×	×	×	•	×	×	×
	Refrigerant cooling PCB	•	•	•	×	×	•	•	•	•	• (14.5/17kW)	×
	Real-time refrigerant amount monitoring	•	•	×	×	×	×	•	•	×	×	×
	Auto snow-blowing function	•	•	×	×	×	×	0	×	×	×	×
	Dust-clean function	0	0	×	×	×	×	0	0	×	×	×
	Gas leak protection	×	×	×	×	×	×	•	×	×	×	×
	Silent mode	Nght silent mode+silent mode+super silent mode	Nght silent mode+silent mode+super silent mode	×	×	×	×	Nght silent mode+silent mode+super silent mode	Nght silent mode+silent mode+super silent mode	×	×	×
	Intelligent defrosting technology	•	•	•	•	•	•	•	×	×	×	•
Enhanced Comfort	Continuous heating (alternate defrost)	×	×	×	×	×	×	•	×	×	×	×
	Connectable to high temperature hydro module for hot water	×	×	×	×	×	×	•	×	×	×	×
	Multiple priority modes	•	•	•	•	•	•	×	×	×	×	•
	Auto addressing	•	•	•	•	•	•	•	•	•	•	•
	Automatic refrigerant charging	0	0	×	×	×	×	0	0	×	×	×
	Automatic refrigerant recycling	0	0	×	×	×	×	0	0	×	×	×
	Multi-functional diagnosis box	0	0	×	×	×	×	•	-	×	×	×
Easy Installation	Maintenance mode	•	•	×	×	×	×	•	•	•	•	•
and Service	Oil balancing pipe between modules not required	•	•	•	•	•	•	•	•	•	•	×
	Triple configurations	•	•	×	×	×	×	•	•	×	×	×
	Digit display	4 digit 7-segment display	4 digit 7-segment display	3 digit 7-segment display	3 digit 7-segment display	3 digit 7-segment display	3 digit 7-segment display	4 digit 7-segment display	4 digit 7-segment display	3 digit 7-segment display	3 digit 7-segment display	3 digit 7-segment display
	High external static pressure	120Pa	120Pa	×	×	×	×	80Pa	60Pa	×	×	×

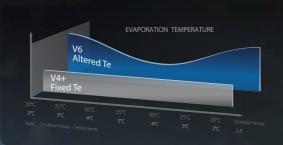
Note: •: equipped as standard; •: customization option; *: without this function

KEY TECHNOLOGIES



* Midea Evaporative Temperature Alteration

The evaporative temperature (in cooling) and condensing temperature (in heating) are automatically altered according to both indoor and outdoor temperature TO MAXIMIZE THE COM-FORT AND ENERGY EFFICIENCY



Through the data monitoring of a replacement project in Hangzhou from 2018 to 2019, we obtained the following actual data.

2018-V4+ The total electricity consumption is 24577kWh from 2018 to 2019.

2019-V6(META) The total electricity consumption is 16904kWh from 2019 to 2020.

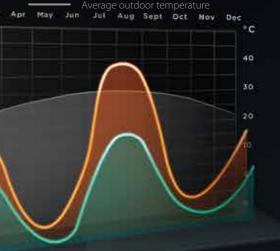




A DESIGN STUDIO

In Fuyang District, Hangzhou, China.

The total usable area is 312 m²



Save 1074USD electricity cost all year round.

AIR LIFE HEALTH ENSURES PURITY FOR EVERY INDOOR BREATH

PURO-AIR KIT

SAFE indoor air, from the invisible care PURIFICATION speed industry leader





Clean Wave



UV Guard

Ozone Free

AIR DYNAMIC HARMONY BLENT IN DAILY LIFE HARMONIOUSLY

- 7 fan speeds provide **COMFORT WITHOUT NOTICE** under every indoor condition.
- Guaranteed **NON-STOP** indoor warmth in winter by intelligent defrosting.
- FOLLOW ME function ensures closer thermal sensing with controller build-in sensor, provide more precise air temp. with **0.5**°C adjustment.











*5



4-WAY INDEPENDENT ZONING FLOW

5-LEVEL SWINGING FLOW













HORIZONTAL FLOW



O---

DOCTOR m.

Vo

DETECTOR

REAL TIME REFRIGERANT AMOUNT MONITORING TO ALARM AND ENSURE CONSISTENT PERFORMANCE

INSUFFICIENT REFRIGERANT



HIGH EFFICIENCY

High Efficiency Enhanced Vapor Injection (EVI) Compressor

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

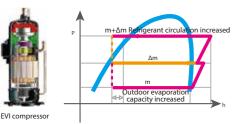
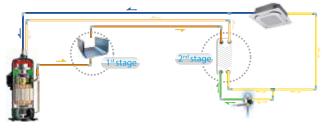


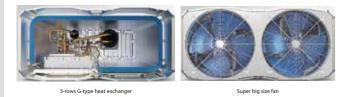
Plate Heat Exchanger (PHE) Subcooling

Plate Heat Exchanger as a secondary intercooler boosts up refrigerant subcooling and improves 10% energy efficiency.



High Efficiency G-Type Heat Exchanger

The large capacity units use a high efficiency G-type heat exchanger which heat exchanger area is 1.5 times of the U-type heat exchanger.



7 Levels of Energy Management

For projects with temporary electricity supply restrictions, the outdoor unit supports 7 levels of energy management which can be set to output 40-100% capacity. It prevents tripping during electricity supply restriction conditions and remains system continue to operate.



HIGH RELIABILITY

Duty Cycling

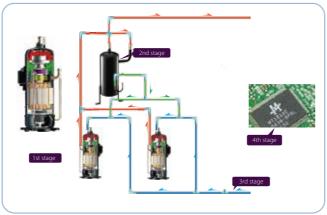
Duty cycling equalizes the running time of the outdoor units in a multiple-unit system and of the compressors in each unit, significantly extending compressor lifespan.



Precise Oil Control Technology

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

- Compressor internal oil separation.
- 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.
- Oil balance pipes between compressors ensure even oil distribution to keep compressors running normally.
- Auto oil return program monitors the running time and system status to ensure reliable oil return.



Refrigerant Cooling PCB

The unit uses refrigerant cooling technology to cool the electric control box. It decreases the average temperature of electrical control components by about 8 degrees, guaranteeing the stable and safe running of the control system.



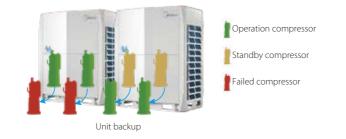
Double Back-up Operation Compressor backup

In units with two compressors, if one compressor fails, the other compressor can run on its own for up to 4 days, allowing time for maintenance or repair whilst maintaining comfort.



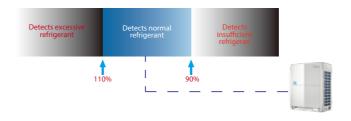
Unit backup

In a multi-unit system, if one module fails, the other modules provide backup so that the system can continue operating.



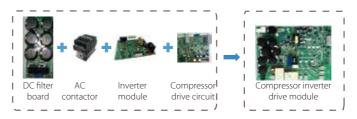
Real-time Refrigerant Amount Monitoring

The temperature and pressure of refrigerant can be real-time monitored by the outdoor unit. When the level of refrigerant is too low or too high, this can cause damage to the unit and poor performance. The unit can detect excessive or insufficient amounts of refrigerant, to ensure consistent performance.



Electrical Components Highly Integrated Design

Multiple electrical components are integrated into a single board, the integrated design can reduce the wiring connections greatly, making the electrical wiring more simple and reliable.



Multiple Protection Function

Multiple protection function, such as safe ground protection, voltage protection, temperature protection, current protection, pressure protection, compressor overload protection, motor overheat protection, electromagnetic interference protection, etc., ensuring the system consistently safe and reliable operation.



protection

protection

Extreme Testing

Tests under extreme conditions such as Highly Accelerated Life Testing (HALT), Surge testing and Electro-Static Discharge (ESD), the test conditions for which are far more extreme than EU test standards are performed on the units to further guarantee the reliability of electronic components.



Auto Snow-blowing Function

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



Dust-clean function

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



Outdoor Units

interference

protection

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.



01 Screws / bolts / gaskets Standard products: 300h of neutral salt mist Heavy anti-corrosion products: 720h of neutral salt mist



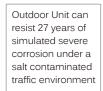
02 Fan motor

Standard products: 96h of neutral salt mist for IDU 168h of neutral salt mist for ODU Heavy anti-corrosion products: 1000h of neutral salt mist for ODU



03 Electric control box case

Standard products: 96h of neutral salt mist Heavy anti-corrosion products: 500h of neutral salt mist



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.



04 Heat exchanger aluminum foil Standard products:

200h of neutral salt mist Heavy anti-corrosion products: 1000h of neutral salt mist 140h of acid salt mis

Heat exchanger copper pipe

Standard products: 24h of neutral salt mist Heavy anti-corrosion products: 48h of neutral salt mist for IDU 150h of neutral salt mist for ODU



05 Painted sheet metal

Standard products: 500h of neutral salt mist 1000h of moisture and heating test 500h of light aging test

Heavy anti-corrosion products: 800h of neutral salt mist 2000h of moisture and heating test 800h of light aging test

WIDE CAPACITY RANGE

Wide Capacity Range

Midea VRF has an extensive capacity ranging from 2.5HP to 96HP, meeting all customer requirements from small to large buildings.



Wide Product Portfolio

Midea VRF supplies a wide product portfolio including air cooled heat pump VRF, Air cooled heat recovery VRF, air cooled cooling only VRF and water cooled VRF to meet the needs of various application scenarios in the market.



Wide Range of Indoor Units

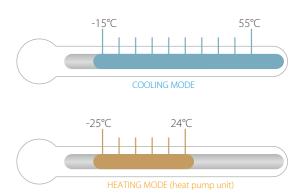
Midea provides 12 types and more 100 models of VRF indoor units to meet varied customer requirements in a wide range of locations including offices, shopping malls, hospitals and airports.



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Wide Operation Range

The VRF system operates stably under extreme conditions, ranging from minus -25°C to 55°C.



Note: the operating temperature range of different series may a little different Please refer to the specification of each series.

ENHANCED COMFORT

Advanced Silent Technology

4 night silent modes, 3 silent modes and 4 super silent modes selections, provide more freedom and convenience to match the customer needs.

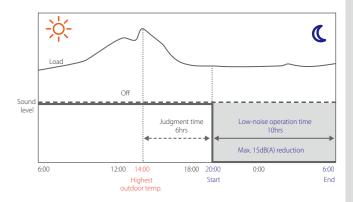


 In night silent mode and silent mode, only maximum fan speed is limited to meet the normal silent requirement.



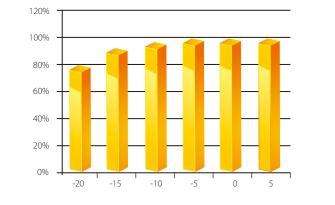
• In super silent mode, both maximum fan speed and compressor frequency are limited to meet higher silent requirement.

The night silent mode feature, which is easily configured on the outdoor unit's PCB, includes various scheduling options that can be used to reduce noise levels at times when low noise operation is required.



Enhanced Heating Capacity

Thanks to the EVI compressor, the heating capacity can be improved greatly. Heating capacity is 100% of rated capacity at ambient temperatures as low as -5°C and 90% of rated capacity at -15°C.



EASY INSTALLATION AND SERVICE

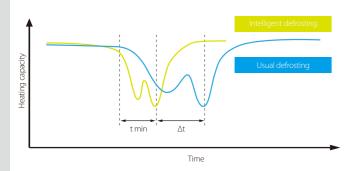
Auto Addressing

Outdoor units can distribute addresses to indoor units automatically. Remote and wired controllers can be used to query or modify each indoor unit's address.



Intelligent Defrosting Technology

The intelligent defrosting program calculates the time required for defrosting according to the actual system status, eliminating heat losses from unnecessary defrosting. A specialized defrosting valve reduces time required for defrosting to as little at four minutes.



Multiple Priority Modes

Multiple priority modes settings, provide more freedom and convenience to match the customer needs.



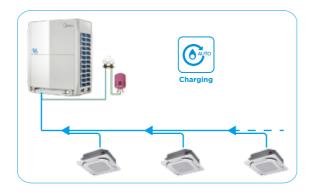
Heating only

VIP/Vote priority

Cooling only

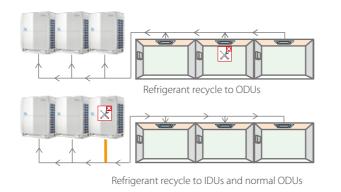
Automatic Refrigerant Charging

Automatic refrigerant charging makes installation and service easier and more efficient.



Automatic Refrigerant Recycling

The refrigerant can recycle to ODUs or IDUs and normal ODUs. Two recycling ways make the maintenance easier and more efficient.



Multi-Functional Diagnosis Box

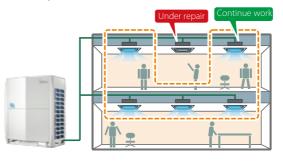
An multi-functional diagnosis box can be installed on the unit's side columns, enabling installation and service engineers to activate Auto-commissioning or check the operating status without removing the front panel. It can also perform automatic data backup of a maximum of 30 sets of error data.



Note: some units are equipped as standard; some units need to customize.

Maintenance Mode

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



Oil Balance pipe not required

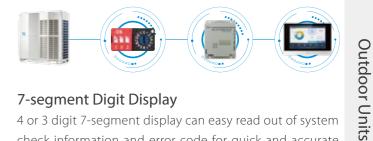
With the new oil management system, there is no need of oil balance pipe.



Triple Configurations

Triple (local/remote/network) configurations greatly simplified installation, commissioning and servicing.

- Field local configuration achieves quick and easy on-site settings, simplifies installation and commissioning.
- System checking and settings also can be easily achieved via wired and centralized controller, making the configuration more flexible and convenient.
- A desktop or laptop PC can be used for browser-based access to achieve system configurations through IMM Pro gateway via a LAN connection.



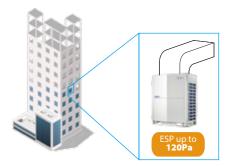
7-segment Digit Display

4 or 3 digit 7-segment display can easy read out of system check information and error code for quick and accurate inspection and diagnosis of the system.



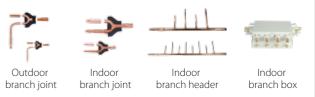
High External Static Pressure

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.



Midea Unified Branch Piping

The unified Midea branch piping system is especially designed for simple installation and it also has specifically been designed to optimize refrigerant flow.



Note: Indoor branch box is only available for Mini VRF Series.



Indoor Units VRF indoor units



Fresh Air Processing Unit 100% fresh air supply

Ventilation Heat recovery ventilator (HRV)



AHU Connection Kit Connect to Midea or third party DX AHU



茶

Control Systems Smart control systems



Wide Capacity Range



Wide Operating Temperature Range

The V6 VRF can operate stably in a wide ambient temperature range: from -5°C (-15°C*) to 54°C in cooling mode and from -25°C to 24°C in heating mode.

* Cooling operation at -15°C is available as a customization option.

Long Piping Capability

Piping length	Capability (m)
Total piping length	1000
Longest piping length-actual (equivalent)	175 (200)
Longest piping length after first branch	40/90*
Largest level difference between IDUs and ODU-ODU up (down)	90 (110)
Largest level difference between IDUs	30

*The longest length after first branch is 40m as standard but can be extended to up to 90m under certain conditions. Please contact your local dealer for further information.

VRF V6 Series Heat Pump

Optimized design for small to large buildings

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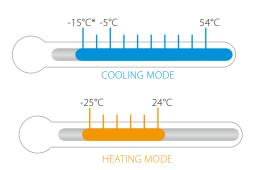
Starting at 8HP, capacity increases in 2HP increments up to 96HP, which is the world's largest single-system VRF capacity.

18/20/22HP (with dual fans)

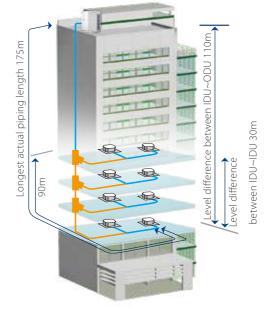












VRF V6 Series - Heat Pump 380~415V, 3N, 50(60)Hz

Capacity		HP	8	10	12	14			
Model			MV6-252WV2GN1	MV6-280WV2GN1	MV6-335WV2GN1	MV6-400WV2GN1			
Power supply		V/N/Hz		380-415/	3/50(60)	1			
	Capacity	kW	25.2	28.0	33.5	40.0			
Cooling ¹	Capacity	kBtu/h	86.0	95.5	114.3	136.5			
Cooling	Power input	kW	5.3	6.3	8.7	9.9			
	EER	kW/kW	4.75	4.45	3.85	4.05			
	Capacity	kW	25.2	28.0	33.5	40.0			
Heating ²	Capacity	kBtu/h	86.0	95.5	114.3	136.5			
(Nominal)	Power input	kW	4.6	5.2	6.6	8.5			
	COP	kW/kW	5.50	5.40	5.10	4.70			
	Capacity	kW	27.0	31.5	37.5	45.0			
Heating ²	Capacity	kBtu/h	92.1	107.5	128.0	153.5			
(Max)	Power input	kW	5.16	6.10	7.88	10.27			
	COP	kW/kW	5.23	5.16	4.76	4.38			
Connectable	Total capacity		50-130% of outdoor unit capacity						
Indoor Unit	Max. quantity		13	16	20	23			
Comproscore	Туре		DC inverter						
Compressors	Quantity								
	Туре		DC						
Fan motors	Quantity		1						
	Max. ESP	Pa	20 default; up to 80 customization option 20 default; up to 120 custom						
Refrigerant	Туре			R41	0A				
Reingerant	Factory charge	kg		11		13			
Pipe	Liquid pipe	mm	Φ1	2.7	Φ15.9	Φ15.9			
connections ³	Gas pipe	mm	Φ2	5.4	Φ28.6	Φ31.8			
Airflow rate		m³/h		11000		13000			
Sound pressure	level ⁴	dB(A)	5	8		60			
Net dimensions (WxHxD) mm		mm		1340×1635×850					
Packed dimensions (WxHxD) mm		mm		1405×1805×910					
Net weight kg		kg	1090×1805×860 1405×1805×910 227 277						
Gross weight		kg		242		304			
Operating	Cooling	°C		-5 t	o 54				
temperature rand	e Heating	°C		-25	to 24				

Capacity		HP	16	18	20	22			
Model			MV6-450WV2GN1	MV6-500WV2GN1	MV6-560WV2GN1	MV6-615WV2GN1			
Power supply		V/N/Hz		380-415	/3/50(60)				
	Capacity	kW	45.0	50.0	56.0	61.5			
Cooling ¹	Capacity	kBtu/h	153.5	170.6	191.1	209.8			
cooling.	Power input	kW	12.0	12.5	15.1	18.4			
	EER	kW/kW	3.75	4.00	3.70	3.35			
	Capacity	kW	45.0	50.0	56.0	61.5			
Heating ²	Capacity	kBtu/h	153.5	170.6	191.1	209.8			
(Nominal)	Power input	kW	9.8	10.6	12.7	15.0			
	COP	kW/kW	4.60	4.70	4.40	4.10			
Heating ²	Capacity	kW	50.0	56.0	63.0	69.0			
	Capacity	kBtu/h	170.6	191.1	215.0	235.4			
(Max)	Power input	kW	11.76	12.84	15.29	17.78			
	COP	kW/kW	4.25	4.36	4.12	3.88			
Connectable	Total capacity			50-130% of outdoor unit capacity					
ndoor Unit	Max. quantity		26	29	33	36			
Comproscore	Туре		DC inverter						
Compressors	Quantity		1 2						
	Туре		DC						
Fan motors	Quantity		1 2						
	Max. ESP	Pa	20 default; up to 120 customization option						
Refrigerant	Туре			R4	410A				
Reingerant	Factory charge	kg	13		17				
Pipe	Liquid pipe	mm	Φ15.9		Φ19.1				
connections ³	Gas pipe	mm	Ф31.8		Ф31.8				
Airflow rate		m³/h	13000		17000				
Sound pressure	level ⁴	dB(A)	61	62	6	53			
Net dimensions (WxHxD) mm		mm	1340×1635×850		1340×1635×825				
Packed dimensions (WxHxD) mm		mm		1405×1	1805×910				
Net weight kg		kg	277		348				
Gross weight		kg	304		368				
Operating	Cooling	°C		-5	to 54				
temperature rand	e Heating	°C		-25	i to 24				

Notes:

Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

Diameters given are those of the unit's stop valves.
 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.

VRF V6 Series - Heat Pump 380~415V, 3N, 50(60)Hz

Capacity		HP	24	26	28			
Model			MV6-670WV2GN1	MV6-730WV2GN1	MV6-785WV2GN1			
Power supply		V/N/Hz		380-415/3/50(60)				
	Capacity	kW	67.0	73.0	78.5			
Cooling ¹	Capacity	kBtu/h	228.6	249.1	267.8			
cooling	Power input	kW	18.1	20.9	24.2			
	EER	kW/kW	3.70	3.49	3.25			
	Capacity	kW	67.0	73.0	78.5			
Heating ²	Capacity	kBtu/h	228.6	249.1	267.8			
(Nominal)	Power input	kW	14.9	17.6	20.7			
	COP	kW/kW	4.50	4.15	3.80			
	Capacity	kW	75.0	81.5	87.5			
Heating ²		kBtu/h	255.9	278.1	298.6			
(Max)	Power input	kW	18.07	21.01	24.44			
	COP	kW/kW	4.15	3.88	3.58			
Connectable	Total capacity			50-130% of outdoor unit capacity				
Indoor Unit	Max. quantity		39	43	46			
Compressors	Туре		DC inverter					
Compressors	Quantity		2					
	Туре		DC					
Fan motors	Quantity		2					
	Max. ESP	Pa	20 default; up to 120 customization option					
Refrigerant	Туре			R410A				
5	Factory charge	kg		22				
Pipe	Liquid pipe	mm	Φ19.1	Φ2				
connections ³	Gas pipe	mm	Φ31.8	Ф3	1.8			
Airflow rate		m³/h		25000				
		dB(A)		64				
Net dimensions (WxHxD) mm		mm		1730 × 1830 × 850				
		mm	1800×2000×910					
Net weight		kg		430				
Gross weight		kg		453				
Operating	Cooling	°C		-5 to 54				
temperature rang	e Heating	°C		-25 to 24				

Capacity		HP	30	32				
Model			MV6-850WV2GN1	MV6-900WV2GN1				
Power supply		V/N/Hz	380-41	5/3/50(60)				
	Capacity	kW	85.0	90.0				
Cooling ¹	Capacity	kBtu/h	290.0	307.1				
Cooling	Power input	kW	27.4	31.0				
	EER	kW/kW	3.10	2.90				
	Capacity	kW	85.0	90.0				
Heating ²	Capacity	kBtu/h	290.0	307.1				
(Nominal)	Power input	kW	23.0	25.7				
	COP	kW/kW	3.70	3.50				
	Carracita	kW	95.0	100.0				
Heating ²	Capacity	kBtu/h	324.1	341.2				
(Max)	Power input	kW	27.78	30.67				
	COP	kW/kW	3.42	3.26				
Connectable	Total capacity		50-130% of ou	tdoor unit capacity				
Indoor Unit	Max. quantity		50	53				
	Туре		DC	inverter				
Compressors	Quantity			2				
	Туре		DC					
Fan motors	Quantity		2					
	Max. ESP	Pa	20 default; up to 120 customization option					
Defriment	Туре		F	R410A				
Refrigerant	Factory charge	kg		25				
Pipe	Liquid pipe	mm	(D22.2				
connections ³	Gas pipe	mm	(D38.1				
Airflow rate		m³/h		24000				
Sound pressure	level ⁴	dB(A)		64				
Net dimensions	(WxHxD)	mm	1730 ×	(1830 × 850				
Packed dimensions (WxHxD)		mm	1800>	<2000×910				
Net weight k		kg		475				
Gross weight		kg		507				
Operating	Cooling	°C	2_	5 to 54				
temperature rand	e Heating	°C	-2	5 to 24				

Notes:

Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 Diameters given are those of the unit's stop valves.
 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.

VRF V6 Series - Heat Pump

380~415V, 3N, 50(60)Hz

Capacity		HP	34	36	38	40				
Model			MV6-950WV2GN1	MV6-1015WV2GN1	MV6-1065WV2GN1	MV6-1120WV2GN1				
Combination ty	/pe		12HP+22HP	14HP+22HP	16HP+22HP	12HP+28HP				
Power supply		V/N/Hz		380-415/3/50(60)						
	Caraaitta	kW	95.0	101.5	106.5	112.0				
Cooling ¹	Capacity	kBtu/h	324.1	346.3	363.4	382.1				
Cooling	Power input	kW	27.1	28.2	30.4	32.9				
	EER	kW/kW	3.51	3.59	3.51	3.41				
	Capacity	kW	95.0	101.5	106.5	112.0				
Heating ²	Capacity	kBtu/h	324.1	346.3	363.4	382.1				
(Nominal)	Power input	kW	21.6	23.5	24.8	27.2				
	COP	kW/kW	4.40	4.32	4.30	4.11				
	Constitution	kW	106.5	114.0	119.0	125.0				
Heating ²	Capacity	kBtu/h	363.4	389.0	406.0	426.5				
(Max)	Power input	kW	25.66	28.06	29.55	32.32				
	COP	kW/kW	4.15	4.06	4.03	3.87				
Connectable	Total capacity			50-130% of out	oor unit capacity					
Indoor Unit	Max. quantity		56	59	63	64				
C	Туре			DC inverter						
Compressors	Quantity				3					
	Туре		DC							
Fan motors	Quantity		3							
	Max. ESP	Pa	20 default; up to 120 customization option							
Refrigerant	Туре			R4	10A					
Reingerant	Factory charge	kg	11+17	1	3+17	11+22				
Pipe	Liquid pipe	mm	Φ19.1		Φ19.1	· ·				
connections ³	Gas pipe	mm	Ф31.8		Φ38.1					
Airflow rate		m³/h	28000	30	0000	36000				
Sound pressure	level ⁴	dB(A)			65					
Net dimensions	(WxHxD)	mm	(990×1635×790)+(1340×1635×825)	(1340×1635×850)	+(1340×1635×825)	(990×1635×790)+(1730×1830×850)				
Packed dimensi	ons (WxHxD)	mm	(1090×1805×860)+(1405×1805×910)	(1405×18	305×910)×2	(1090×1805×860)+(1800×2000×910				
Net weight		kg	227+348	277	7+348	227+430				
Gross weight		kg	242+368	304	1+368	242+453				
Operating	Cooling	°C		-5	to 54					
temperature rand	e Heating	°C		-25	to 24					

Capacity		HP	42	44	46	48		
Model			MV6-1175WV2GN1	MV6-1230WV2GN1	MV6-1285WV2GN1	MV6-1345WV2GN1		
Combination ty	'pe		20HP+22HP	22HP+22HP	22HP+24HP	22HP+26HP		
Power supply		V/N/Hz	380-415/3/50(60)					
	Capacity	kW	117.5	123.0	128.5	134.5		
Cooling ¹	Capacity	kBtu/h	400.9	419.7	438.4	458.9		
Cooling.	Power input	kW	33.5	36.7	36.5	39.3		
	EER	kW/kW	3.51	3.35	3.52	3.43		
	Capacity	kW	117.5	123.0	128.5	134.5		
Heating ²	Capacity	kBtu/h	400.9	419.7	438.4	458.9		
(Nominal)	Power input	kW	27.7	30.0	29.9	32.6		
	COP	kW/kW	4.24	4.10	4.30	4.13		
	Caraasita	kW	132.0	138.0	144.0	150.5		
Heating ² (Max)	Capacity	kBtu/h	450.4	470.9	491.3	513.5		
	Power input	kW	33.07	35.57	35.86	38.79		
	COP	kW/kW	3.99	3.88	4.02	3.88		
Connectable	Total capacity			50-130% of out	door unit capacity			
ndoor Unit	Max. quantity		64					
Comprossors	Туре		DC inverter					
Compressors	Quantity		4					
	Туре		DC					
Fan motors	Quantity		4					
	Max. ESP	Pa	20 default; up to 120 customization option					
Defrigerant	Туре			R4	10A			
Refrigerant	Factory charge	kg	17	X2	17	+22		
Pipe	Liquid pipe	mm		0	19.1			
connections ³	Gas pipe	mm		Φ.	38.1			
Airflow rate		m ³ /h	34	000	42	000		
Sound pressure	level ⁴	dB(A)			66			
Net dimensions (WxHxD) mm		mm	(1340×16	35×825)×2	(1340×1635×825)	+(1730×1830×850)		
Packed dimensions (WxHxD) mm		(1405×180	05×910)×2	(1405×1805×910)+(1800×2000×910)				
Net weight kg		kg	348×2 348+430			+430		
Gross weight		kg	36	8×2	368	+453		
Operating	Cooling	°C	-5 to 54					
temperature rang	e Heating	°C		-25	to 24			

Notes:

Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 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 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
 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.

VRF V6 Series - Heat Pump

380~415V, 3N, 50(60)Hz

Capacity		HP	50	52	54	56			
Model			MV6-1400WV2GN1	MV6-1460WV2GN1	MV6-1515WV2GN1	MV6-1570WV2GN1			
Combination ty	/pe		22HP+28HP	26HP+26HP	26HP+28HP	28HP+28HP			
Power supply		V/N/Hz		380-415/3/50	(60)				
	Canadi	kW	140.0	146.0	151.5	157.0			
Cooling	Capacity	kBtu/h	477.7	498.2	516.9	535.7			
Cooling ¹	Power input	kW	42.5	41.8	45.1	48.3			
	EER	kW/kW	3.29	3.49	3.36	3.25			
	Capacity	kW	140.0	146.0	151.5	157.0			
Heating ²	Capacity	kBtu/h	477.7	498.2	516.9	535.7			
(Nominal)	Power input	kW	35.7	35.2	38.3	41.3			
	COP	kW/kW	3.93	4.15	3.96	3.80			
	Capacity	kW	156.0	163.0	169.0	175.0			
Heating ²	Cupacity	kBtu/h	534.0	556.2	576.6	597.1			
(Max)	Power input	kW	42.22	42.01	45.45	48.88			
	COP	kW/kW	3.71	3.88	3.72	3.58			
Connectable	Total capacity			50-130% of outdoor u	init capacity				
Indoor Unit	Max. quantity			64					
Comprossors	Туре		DC inverter						
Compressors	Quantity		4						
	Туре		DC						
Fan motors	Quantity		4						
	Max. ESP	Pa		20 default; up to 120 customization option					
Refrigerant	Туре			R410A					
5	Factory charge	kg	17+22		22×2				
Pipe	Liquid pipe	mm		Ф19.1		Ф19.1			
connections ³	Gas pipe	mm		Ф38.1		Φ41.3			
Airflow rate		m³/h	42000		50000				
Sound pressure	level ⁴	dB(A)		66					
Net dimensions		mm	(1340×1635×825)+(1730×1830×850)		(1730×1830×850)×2				
Packed dimensi	ons (WxHxD)	mm	(1405×1805×910)+(1800×2000×910)		(1800×2000×910)×2				
Net weight		kg	348+430		430×2				
Gross weight		kg	368+453		453×2				
Operating	Cooling	°C		-5 to 54					
temperature rang	je Heating	°C		-25 to 24	1				

Capacity		HP	58	60	62	64		
Model			MV6-1635WV2GN1	MV6-1685WV2GN1	MV6-1750WV2GN1	MV6-1800WV2GN1		
Combination ty	/pe		28HP+30HP	28HP+32HP	30HP+32HP	32HP+32HP		
Power supply		V/N/Hz		. 380-415	/3/50(60)			
	C	kW	163.5	168.5	175.0	180.0		
Contract	Capacity	kBtu/h	557.9	574.9	597.1	614.2		
Cooling ¹	Power input	kW	51.6	55.2	58.5	62.1		
	EER	kW/kW	3.17	3.05	2.99	2.90		
	Caraacita	kW	163.5	168.5	175.0	180.0		
Heating ²	Capacity	kBtu/h	557.9	574.9	597.1	614.2		
(Nominal)	Power input	kW	43.6	46.4	48.7	51.4		
	COP	kW/kW	3.75	3.63	3.59	3.50		
	Capacity	kW	182.5	187.5	195.0	200.0		
Heating ² (Max)	Capacity	kBtu/h	622.7	639.8	665.3	682.4		
	Power input	kW	52.22	55.12	58.45	61.35		
	COP	kW/kW	3.49	3.40	3.34	3.26		
Connectable	Total capacity		50-130% of outdoor unit capacity					
Indoor Unit	Max. quantity		64					
Comproscors	Туре		DC inverter					
Compressors	Quantity		4					
	Туре		DC					
Fan motors	Quantity		4					
	Max. ESP	Pa	20 default; up to 120 customization option					
Refrigerant	Туре			R4	10A			
nemgerafit	Factory charge	kg	22	+25	2	5x2		
Pipe	Liquid pipe	mm		0	19.1			
connections ³	Gas pipe	mm		04	41.3			
Airflow rate		m³/h	49	000	48	000		
Sound pressure	level ⁴	dB(A)			66			
Net dimensions (WxHxD) mm		mm		(1730×18	330×850)×2			
Packed dimensions (WxHxD) mm		mm		(1800×20	000×910)×2			
Net weight		kg	430	+475	47	5×2		
Gross weight		kg	453	+507	50	7×2		
Operating	Cooling	°C		-5	to 54			
temperature rang	e Heating	°C		-25	to 24			

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. Indoor temperature 20°C DB, outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 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 V6 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.

VRF V6 Series - Heat Pump

380~415V, 3N, 50(60)Hz

Capacity		HP	66	68	70	72			
Model			MV6-1850WV2GN1	MV6-1915WV2GN1	MV6-1965WV2GN1	MV6-2020WV2GN1			
Combination type			12HP+22HP+32HP	14HP+22HP+32HP	16HP+22HP+32HP	12HP+28HP+32HP			
Power supply V/N/Hz			380-415/3/50(60)						
Constitution		kW	185.0	191.5	196.5	202.0			
Castinal	Capacity	kBtu/h	631.2	653.4	670.5	689.2			
Cooling ¹	Power input	kW	58.1	59.3	61.4	63.9			
	EER	kW/kW	3.18	3.23	3.20	3.16			
	Caraasita	kW	185.0	191.5	196.5	202.0			
Heating ²	Capacity	kBtu/h	631.2	653.4	670.5	689.2			
(Nominal)	Power input	kW	47.3	49.2	50.5	52.9			
	COP	kW/kW	3.91	3.89	3.89	3.82			
	Caraatitu	kW	206.5	214.0	219.0	225.0			
Heating ²	Capacity	kBtu/h	704.6	730.2	747.2	767.7			
(Max)	Power input	kW	56.34	58.73	60.22	62.99			
	COP	kW/kW	3.67	3.64	3.64	3.57			
Connectable	Total capacity			50-130% of outdoor u	init capacity				
Indoor Unit	Max. quantity		64						
Compressors	Type		DC inverter						
Compressors	Quantity		5						
	Туре		DC						
Fan motors	Quantity			5					
	Max. ESP	Pa	20 default; up to 120 customization option						
Defiinent	Туре		R410A						
Refrigerant	Factory charge	kg	11+17+25	13+1	7+25	11+22+25			
Pipe	Liquid pipe	mm	Φ19.1		Φ22.2				
connections ³	Gas pipe	mm	Ф41.3		Φ44.5				
Airflow rate		m³/h	52000	54	000	60000			
Sound pressure	e level ⁴	dB(A)		67					
Net dimensions			(990×1635×790)+(1340×1635×825)+	(1240) (1225) (050) (1240) (1	(25, (025) - (1720, (1020, (050)	(990×1635×790)+			
net dimensions	(VVXHXD)	mm	(1730×1830×850)	(1340×1635×850)+(1340×16	535×825)+(1730×1830×850)	(1730×1830×850)×2			
			(1090×1805×860)+(1405×1805×910)+	(1405, 1005, 010)	2 - (1200, 2000, 010)	(1090×1805×860)+			
Packed dimensions (WxHxD) mm		(1800×2000×910)	(1405×1805×910)×.	2+(1800×2000×910)	(1800×2000×910)×2				
Net weight		kg	227+348+475		48+475	227+430+475			
Gross weight		kg	242+368+507	304+3	68+507	242+453+507			
Operating	Cooling	°C		-5 to 54	ł				
temperature rand	ne Heating	°C	-25 to 24						

Capacity		HP	74	76	78	80			
Model			MV6-2075WV2GN1	MV6-2130WV2GN1	MV6-2185WV2GN1	MV6-2245WV2GN1			
Combination type			20HP+22HP+32HP	22HP+22HP+32HP	22HP+24HP+32HP	22HP+26HP+32HP			
Power supply		V/N/Hz	380-415/3/50(60)						
	Capacity	kW	207.5	213.0	218.5	224.5			
Cooling ¹	Capacity	kBtu/h	708.0	726.8	745.5	766.0			
cooling.	Power input	kW	64.5	67.8	67.5	70.3			
	EER	kW/kW	3.22	3.14	3.24	3.19			
	Capacity	kW	207.5	213.0	218.5	224.5			
Heating ²	Capacity	kBtu/h	708.0	726.8	745.5	766.0			
(Nominal)	Power input	kW	53.4	55.7	55.6	58.3			
	COP	kW/kW	3.88	3.82	3.93	3.85			
	Capacity	kW	232.0	238.0	244.0	250.5			
Heating ²	Capacity	kBtu/h	791.6	812.1	832.5	854.7			
(Max)	Power input	kW	63.75	66.24	66.53	69.46			
	COP	kW/kW	3.64	3.59	3.67	3.61			
Connectable	Total capacity		50-130% of outdoor unit capacity						
ndoor Unit	Max. quantity		64						
Compressors	Туре			DC in	verter				
compressors	Quantity		6						
	Туре		DC						
an motors	Quantity		6						
	Max. ESP	Pa	20 default; up to 120 customization option						
Refrigerant	Туре		R410A						
5	Factory charge	kg	17×2	2+25	17+2	22+25			
Pipe	Liquid pipe	mm		Φ2	2.2				
connections ³	Gas pipe	mm		04	4.5				
Airflow rate		m³/h	580	000	660	000			
Sound pressure	level ⁴	dB(A)		6	8				
Net dimensions (WxHxD) mm		(1340×1635×825)×2	2+(1730×1830×850)	(1340×1635×825)+((1730×1830×850)×2				
Packed dimensions (WxHxD) mm		(1405×1805×910)×2	2+(1800×2000×910)	(1405×1805×910)+(1800×2000×910)×2					
Net weight		kg	348×2			30+475			
Gross weight		kg	368×2	2+507	368+4	53+507			
Operating	Cooling	°C		-5 t	o 54				
temperature rand	e Heating	°C		-25	to 24				

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. 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 V6 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.

VRF V6 Series - Heat Pump

380~415V, 3N, 50(60)Hz

Capacity HP		82	84	86	88				
Model			MV6-2300WV2GN1	MV6-2360WV2GN1	MV6-2415WV2GN1	MV6-2470WV2GN1			
Combination ty	/pe		22HP+28HP+32HP	26HP+26HP+32HP	26HP+28HP+32HP	28HP+28HP+32HP			
Power supply		V/N/Hz	380-415/3/50(60)						
	Capacity	kW	230.0	236.0	241.5	247.0			
Cooling ¹	Capacity	kBtu/h	784.8	805.2	824.0	842.8			
cooling	Power input	kW	73.5	72.8	76.1	79.3			
	EER	kW/kW	3.13	3.24	3.17	3.11			
	Capacity	kW	230.0	236.0	241.5	247.0			
Heating ²	Capacity	kBtu/h	784.8	805.2	824.0	842.8			
(Nominal)	Power input	kW	61.4	60.9	64.0	67.0			
	COP	kW/kW	3.75	3.87	3.78	3.68			
	Capacity	kW	256.5	263.0	269.0	275.0			
Heating ²	Capacity	kBtu/h	875.2	897.4	917.8	938.3			
(Max)	Power input	kW	72.90	72.69	76.12	79.56			
	COP	kW/kW	3.52	3.62	3.53	3.46			
Connectable	Total capacity		50-130% of outdoor unit capacity						
Indoor Unit	Max. quantity		64						
Comprossors	Туре		DC inverter						
Compressors	Quantity		6						
	Туре			DC					
Fan motors	Quantity		6						
	Max. ESP	Pa	20 default; up to 120 customization option						
Refrigerant	Туре			R410A					
nemgerant	Factory charge	kg	17+22+25		22×2+25				
Pipe	Liquid pipe	mm	Φ22.2		Φ25.4				
connections ³	Gas pipe	mm	Ф44.5		Φ50.8				
Airflow rate		m³/h	66000		74000				
Sound pressure	level ⁴	dB(A)		68					
Net dimensions	(WxHxD)	mm	(1340×1635×825)+(1730×1830×850)×2		(1730×1830×850)×3				
Packed dimensions (WxHxD) mm		mm	(1405×1805×910)+(1800×2000×910)×2		(1800×2000×910)×3				
Net weight		kg	348+430+475		430×2+475				
Gross weight		kg	368+453+507 453×2+507						
Operating	Cooling	°C		-5 to 54					
temperature rand		°C		-25 to 24					

Capacity		HP	90	92	94	96			
Model			MV6-2535WV2GN1	MV6-2585WV2GN1	MV6-2650WV2GN1	MV6-2700WV2GN1			
Combination type			28HP+30HP+32HP	28HP+32HP+32HP	30HP+32HP+32HP	32HP+32HP+32HP			
Power supply		V/N/Hz	380-415/3/50(60)						
	Capacity	kW 253.5		258.5	265.0	270.0			
Cooling ¹	Capacity	kBtu/h	864.9	882.0	904.2	921.2			
	Power input	kW	82.6	86.2	89.5	93.1			
	EER	kW/kW	3.07	3.00	2.96	2.90			
	Capacity	kW	253.5	258.5	265.0	270.0			
Heating ²	Capacity	kBtu/h	864.9	882.0	904.2	921.2			
(Nominal)	Power input	kW	69.3	72.1	74.4	77.1			
	COP	kW/kW	3.66	3.59	3.56	3.50			
Heating ² (Max)	Capacity	kW	282.5	287.5	295.0	300.0			
	Capacity	kBtu/h	963.9	981.0	1006.5	1023.6			
	Power input	kW	82.89	85.79	89.13	92.02			
	COP	kW/kW	3.41	3.35	3.31	3.26			
Connectable	Total capacity		50-130% of outdoor unit capacity						
Indoor Unit	Max. quantity		64						
C	Туре		DC inverter						
Compressors	Quantity		6						
	Туре		DC						
Fan motors	Quantity				6				
	Max. ESP	Pa	20 default; up to 120 customization option						
Defriment	Туре			R4	10A				
Refrigerant	Factory charge	kg	22+	25×2	25+2	25×2			
Pipe	Liquid pipe	mm		Φ2	25.4				
connections ³	Gas pipe	mm		Φ5	50.8				
Airflow rate		m³/h	730	000	720	000			
		dB(A)		(58				
Net dimensions (WxHxD) mm		mm		(1730×18	30×850)×3				
Packed dimensions (WxHxD) mm		mm	(1800×2000×910)×3						
Net weight		kg	430+	475×2		5x3			
Gross weight		kg	453+	507×2	507	7×3			
Operating	Cooling	°C		-5 1	to 54				
temperature rand	e Heating	°C		-25	to 24				

Notes: 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. 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 V6 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.

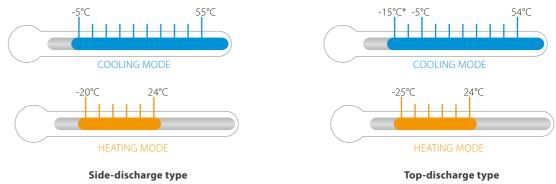
Wide Capacity Range

V6-i VRF has two options, side-discharge and top-discharge. For side-discharge type, it has four models, 7/8/9/10/12HP. For top-discharge type, the capacity is from 8HP to 32HP in 2HP increments.



Wide Operation Range

The V6-i VRF can operate stably in a wide ambient temperature range.



Long Piping Capability

Piping length	Capabil		
	Top-discharge		
Total piping length	1000		
Longest piping length-actual (equivalent)	175 (200)		
Longest piping length after first branch	40/90*		
Largest level difference between IDUs and ODU-ODU up (down)	90 (110)		
Largest level difference between IDUs	30	-	

*The longest length after first branch is 40m as standard but can be extended to up to 90m under certain conditions. Please contact your local dealer for further information.



Fresh Air Processing Unit 100% fresh air supply



Ventilation Heat recovery ventilator (HRV)



AHU Connection Kit Connect to Midea or third party DX AHU



Control Systems Smart control systems

VRF V6-i Series Heat Pump

Optimized design ddle-sized buildings

op-discharge Options vailable for Top-discharge Only)

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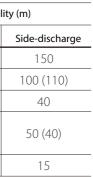
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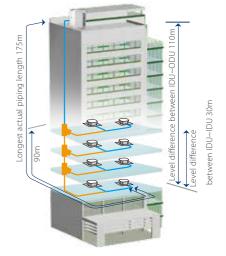
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- Refrigerant Cooling PCB
- Auto Snow-blowing Function (Available for Top-discharge Only)
- Dust-clean Function (Available for Top-discharge Only)
- Optional Multi-Functional Diagnosis Box (Available for Top-discharge Only)
- > Automatic Refrigerant Detecting/Charging/Recycling(Available for Top-discharge Only)

Outdoor Units

* Cooling operation at -15°C is available as a customization option.





Outdoor Units

VRF V6-i Series - Heat Pump (Top-discharge type)
380~415V, 3N, 50(60)Hz	

Capacity		HP	8	10	12	14	16	18		
Model			MV6-i252WV2GN1	MV6-i280WV2GN1	MV6-i335WV2GN1	MV6-i400WV2GN1	MV6-i450WV2GN1	MV6-i500WV2GN		
Power supply		V/N/Hz	380-415/3/50(60)							
	Capacity	kW	25.2	28	33.5	40	45	50		
c 1	Capacity	kBtu/h	86	95.5	114.3	136.5	153.5	170.6		
Cooling ¹	Power input	kW	5.5	6.7	8.9	11	12.9	14.7		
	EER		4.55	4.2	3.75	3.65	3.5	3.4		
	Capacity	kW	25.2	28	33.5	40	45	50		
-leating ²	Capacity	kBtu/h	86	95.5	114.3	136.5	153.5	170.6		
(Nominal)	Power input	kW	4.8	5.5	7.6	9.3	10.7	12.2		
	COP		5.2	5.1	4.4	4.3	4.2	4.1		
	Capacity	kW	27.0	31.5	37.5	45.0	50.0	56.0		
Heating ²	Capacity	kBtu/h	92.1	107.5	128.0	153.5	170.6	191.1		
(Max)	Power input	kW	5.42	6.57	9.13	11.23	12.89	14.72		
	COP		4.98	4.79	4.11	4.01	3.88	3.80		
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity							
connected indoor unit	Maximum quan	ntity	13	16	20	23	26	29		
Compressors	Туре		DC inverter							
compressors	Quantity		1							
	Туре		DC							
an motors	Quantity		1							
	Max. ESP	Pa	20 Defai	ult; up to 80 customiza	tion option	20 Default; up to 120 customization option				
Refrigerant	Туре				R4	0A				
lengelant	Factory charge	kg		11		13				
Pipe connections ³	Liquid pipe	mm	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ19.1		
-ipe connections	Gas pipe	mm	Φ25.4	Φ25.4	Φ28.6	Ф31.8	Ф31.8	Φ31.8		
Airflow rate		m³/h		11000			13000			
Sound pressure level ⁴ dB(A)		dB(A)	58	58	60	60	61	62		
Net dimensions (W×H×D) mm		mm		990×1635×790			1340×1635×850			
Packed dimensions (W×H×D) mm		mm		1090×1805×860			1405×1805×910			
Net weight		kg		227		2	.77	295		
Gross weight		kg		242		3	04	322		
Operating	Cooling	°C			-5 to	54				
temperature range	Heating	°C			-25 t	o 24				

Capacity		HP	20	22			
Model			MV6-i560WV2GN1	MV6-i615WV2GN1			
Power supply		V/N/Hz	380-415/3/50(60)				
	Capacity	kW	56	61.5			
Cooling ¹	Capacity	kBtu/h	191.1	209.8			
	Power input	kW	16	20.2			
	EER		3.5	3.05			
	Capacity	kW	56	61.5			
Heating ²		kBtu/h	191.1	209.8			
Nominal)	Power input	kW	13.8	17.6			
	COP		4.05	3.5			
	Capacity	kW	63.0	69.0			
Heating ²		kBtu/h	215.0	235.4			
(Max)	Power input	kW	16.61	20.83			
	COP		3.79	3.31			
Connected indoor unit	Total capacity		50-130% of out	door unit capacity			
Lonnected indoor unit	Maximum quar	itity	33 36				
Compressors	Туре		DC inverter				
Lompressors	Quantity		2				
	Туре		DC				
an motors	Quantity		2				
	Max. ESP	Pa	20 Default; up to 120 customization option				
Refrigerant	Туре		R	410A			
lenigerani	Factory charge	kg	17				
Pipe connections ³	Liquid pipe	mm	đ	019.1			
	Gas pipe	mm	Φ31.8				
Airflow rate		m³/h	1	7000			
Sound pressure level ⁴		dB(A)	63				
Net dimensions (W×H×D)		mm	1340×	1635×825			
Packed dimensions (W×H×D)		mm	1405×1805×910				
Vet weight		kg		344			
Gross weight		kg		364			
Operating	Cooling	°C	-5	to 54			
temperature range	Heating	°C	-25	5 to 24			

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.

Diameters given are those of the unit's stop valves.
 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.

Capacity		HP	24	26	28	30	32		
Model			MV6-I670WV2GN1	MV6-i730WV2GN1	MV6-i785WV2GN1	MV6-i850WV2GN1	MV6-i900WV2GN		
Power supply V/N/Hz			380-415/3/50(60)						
	Caraasita	kW	67	73	78.5	85	90		
C	Capacity	kBtu/h	228.6	249.1	267.8	290	307.1		
Cooling	Power input	kW	21.6	21.6	24.9	28.3	32.1		
	EER		3.1	3.4	3.15	3	2.8		
	Capacity	kW	67	73	78.5	85	90		
Heating ²	Capacity	kBtu/h	228.6	249.1	267.8	290	307.1		
(Nominal)	Power input	kW	16.8	18.1	21.8	24.3	26.5		
	COP		4	4.05	3.6	3.5	3.4		
	Capacity	kW	75.0	81.5	87.5	95.0	100.0		
Heating ²	cupacity	kBtu/h	255.9	278.1	298.6	324.1	341.2		
(Max)	Power input	kW	20.28	21.57	26.69	29.37	31.58		
	COP		3.70	3.78	3.28	3.24	3.17		
Connected indoor unit				50-130% of outdoor unit capacity					
connected indoor drift	Maximum quantity		39	43	46	50	53		
Compressors	Туре		DC inverter						
compressors	Quantity		2						
	Туре		DC						
Fan motors	Quantity		2						
	Max. ESP	Pa	20 Default; up to 120 customization option						
Refrigerant	Туре		R410A						
heiligelallt	Factory charge	kg		22					
Pipe connections ³	Liquid pipe	mm	Φ19.1		Φ2	2.2			
ripe connections.	Gas pipe	mm		Ф31.8		Ф3	8.1		
Airflow rate		m³/h	25000 24000						
Sound pressure level ⁴ dB(A)		dB(A)			64				
Net dimensions (W×H×D)		mm			1730×1830×850				
Packed dimensions (W×H×D)		mm			1800×2000×910				
Net weight		kg	407	42	29	41	75		
Gross weight		kg	430	45	52	50)7		
Operating	Cooling	°C			-5 to 54				
temperature range	Heating	°C			-25 to 24				

VRF V6-i Series - Heat Pump (Side-discharge type) 380~415V, 3N, 50(60)Hz

HP			7	8	9	10	12			
Model			MVi-200WV2GN1(A)	MVi-224WV2GN1(A)	MVi-260WV2GN1(A)	MVi-280WV2GN1(A)	MVi-335WV2GN1(A)			
Power supply		V/N/Hz	380-415/3/50(60)							
	Capacity	kW	20	22.4	26	28.5	33.5			
c 1: 1	Capacity	kBtu/h	68.2	76.4	88.7	97.2	114.3			
Cooling ¹	Power input	kW	5.6	6.3	7.6	8.4	9.2			
	EER		3.57	3.56	3.42	3.39	3.64			
	Capacity	kW	20	22.4	26	28.5	33.5			
Heating ²	Capacity	kBtu/h	68.2	76.4	88.7	97.2	114.3			
(Nominal)	Power input	kW	4.7	5.3	6.6	7.3	8.1			
	COP		4.26	4.23	3.94	3.9	4.14			
	Capacity	kW	22.5	25	28.5	31.5	37.5			
Heating ²	Capacity	kBtu/h	76.8	85.3	97.2	107.5	128.0			
(Max)	Power input	kW	5.4	6	7.3	8.1	9.2			
	COP		4.17	4.17	3.9	3.89	4.08			
Connected	Total capacity		50-130% of outdoor unit capacity							
ndoor unit	Maximum quant	ity	11	13	15	16	20			
	Туре		DC inverter							
Compressor	Quantity		1							
	Туре		DC							
an motors	Quantity		2							
Definent	Туре		R410A							
Refrigerant	Factory charge	kg	6.5	6.5	6.5	6.5	8			
Pipe	Liquid pipe	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ12.7			
connections ³	Gas pipe	mm	Φ19.1	Φ19.1	Φ22.2	Φ22.2	Φ25.4			
Airflow rate		m³/h	9000	9000	10000	11000	11300			
Sound pressure	evel ⁴	dB(A)	58	58	59	60	61			
Net dimensions (W×H×D) mm		mm			1120×1558×528					
Packed dimensions (W×H×D) mm				1270×1720×565						
		kg	143		144	144	157			
Gross weight		kg	159		160	160	173			
Operating	Cooling	°C			-5 to 55					
temperature ran	ge Heating	°C			-20 to 24					

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

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.



Indoor Units VRF indoor units



Ventilation Heat recovery ventilator (HRV)



Control Systems Smart control systems



AHU Connection Kit Connect to Midea or third party DX AHU



Long Piping Capability

Piping length		Capability (m)
	20/22.4/26kW	28/33.5kW
Total piping length	120	150
Longest length - actual (equivalent)	60 (70)	100 (110)
Longest length after first branch	20	40
Longest length after nearest branch	15	15
Largest level difference between IDUs and ODU-ODU up (down)	30 (20)	50 (40)
Largest level difference between IDUs	8	15

VRF V4 Plus I Series Heat Pump

Optimized design for small and medium-sized buildings

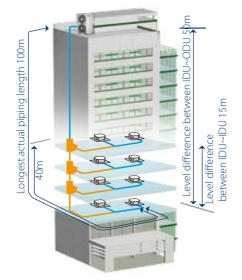
- Capacity up to 16HP
- Connectable Indoor Units Quantity up to 20
- Precise Oil Control Technology
- Advanced Silence Technology

VRF V4 Plus I Series - Heat Pump

HP			7	8	9	10	12	14	16	
			MDV-	MDV-	MDV-	MDVT-	MDVT-	MDV-	MDV-	
Model			V200W/DRN1	V224W/DRN1	V260W/DRN1	V280W/DGN1	V335W/DGN1	V400W/DRN1	V450W/DRN1	
Power supply		V/N/Hz		380-415/3/50		380-415	/3/50 (60)	380-41	5/3/50	
	Capacity	kW	20.0	22.4	26.0	28.0	33.5	40.0	45.0	
Cooling ¹	Power input	kW	6.1	6.8	7.6	6.83	9.2	11.9	13.6	
	EER		3.28	3.29	3.42	4.10	3.64	3.35	3.32	
	Capacity	kW	22.0	24.5	28.5	31.5	37.5	45.0	50.0	
Heating ²	Power input	kW	6.1	5.9	6.8	7.5	9.2	11.1	12.7	
	COP		3.61	4.15	4.19	4.20	4.08	4.05	3.93	
Connectable	Total capacity				50~13	0% of outdoor unit c	apacity			
indoor unit			10	11	12	16	20	23	26	
-	Туре			DC inverter						
Compressor	Quantity				2					
_	Туре					DC motor + AC motor				
Fan motor	Quantity		2							
a. ().	Туре					R410A				
Refrigerant	Factory charging	kg	4.8	6.2	6.2	8	8	9	12	
Pipe	Liquid pipe	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ12.7	Φ12.7	Φ12.7	
connections	Gas pipe	mm	Φ19.1	Φ19.1	Φ22.2	Φ22.2	Φ25.4	Φ22.2	Φ25.4	
Air flow rate		m³/h	10999	10494	10494	11000	11300	16575	16575	
Sound pressu	re level ³	dB(A)	59	59	60	59	61	62	62	
Net dimension (W×H×D) mm				1120×1558×528			1360×1650×540	1460×1650×540		
Packing size (W×H×D) mm				1270×1720×565			1450×1785×560	1550×1785×560		
Net weight kg		137	146.5	147	15	57	240	275		
Gross weight		kg	153	162.5	163	17	73	260	290	
Operating ten	nperature range	°Č	Cooling	: -15~46; Heating:	-15~24	Coolin: -5~54 H	Heating:-20~24	Cooling: -5~48;	Heating: -15~24	
Notes:	1		1	,	-		<u> </u>			

Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.







Indoor Units VRF indoor units



Ventilation Heat recovery ventilator (HRV)



Control Systems Smart control systems



AHU Connection Kit Connect to Midea or third party DX AHU



Optimized design for small buildings

- Two Options: Standard and Mini C Serie
- Capacity Up to 18kw
- Connectable Indoor Units Quantity up to 9
- Refrigerant Cooling PCB (Available for Mini C Series Only)
- Precise Oil Control Technology
- Advanced Silence Technology
 Compact, Easy Installation



DC Inverter Compressor

DC inverter compressor makes the output of the outdoor unit to be to be modulated by the cooling or heating demands of the zone that it controls. This advanced system ensures precise temperature regulation and highly efficient energy usage, making a significant contribution to the limiting the impact on the environment.

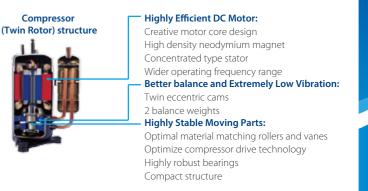
Wide Capacity Range

Mini VRF has two options, standard series and Mini C series. For standard series, it has 4 models from 12kW to 18kW. For Mini C series, it has 5 models from 8kW to 16kW. The Mini VRF is perfect for commercial and residential applications: small offices, villas, apartments, shops, etc.

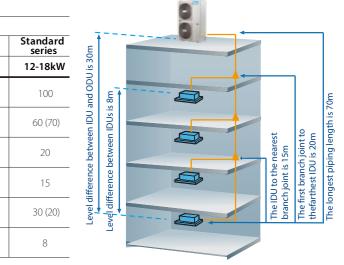


Long Piping Capability

Capability (m)					
Min	Mini C series 8kW 10-12kW 50 65				
8kW	10-12kW	14-16kW			
50	65	100			
35 (40)	45 (50)	60 (70)			
20	20	20			
15	15	15			
10 (10)	20 (20)	30 (20)			
8	8	8			
	8kW 50 35 (40) 20 15 10 (10)	Min Series 8kW 10-12kW 50 65 35 (40) 45 (50) 20 20 15 15 10 (10) 20 (20)			



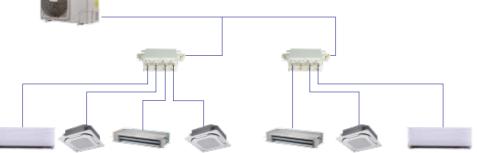
	Standard series
14-16kW	12-18kW



More Convenient Piping Connector – Branch Box

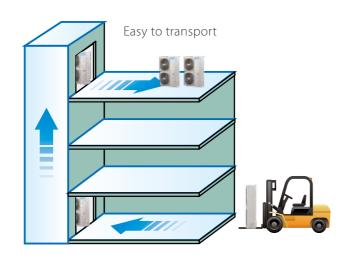


Easier and safer installation thanks to a branch box that simplifies piping work greatly.



Easy Installation

The mini VRF can be transported by elevator which makes installation dramatically easy, and effectively reduces time and labor thanks to the small size.



Four-Way Piping Connection



A four-direction space is available for connecting pipes and wiring in various installation sites.

Mini VRF (Mini C series) - Heat Pump 220~240V, 1N, 50(60)Hz

HP			3	4	4.5			
Model			MDV-V80W/DHN1(C)	MDV-V100W/DHN1(C)	MDV-V120W/DHN1(C)			
Power supply	/	V/N/Hz		220-240/1/ 50(60)				
Power supply Cooling ¹ Cooling ¹ Po Eff Heating ² Connectable To indoor unit Ma Compressor Tyr Qu Fan motor Qu Refrigerant Fax Pipe Connectable Compression Compression Complete Com	Conneite	kW	8.0	10.0	12.0			
	Capacity	kBtu/h	27.3	34.1	40.9			
	Power input	kW	2	2.55	3.1			
	EER		4	3.92	3.87			
	Capacity	kW	9.0	12.0	14.0			
Heating ²	Capacity	kBtu/h	30.7	40.9	47.8			
	Power input	kW	1.95	2.97	3.45			
	COP		4.62	4.04	4.06			
Connectable	Total capacity			45~130% of outdoor unit capacity				
indoor unit			4	6	7			
Compressor 🗀	Туре			DC inverter	1			
	Quantity		1					
F	Туре		DC					
Fan molor	Quantity							
Defrigerant	Туре			R410A				
Reingelani	Factory charge	kg	2.2	2.35	3			
Pipe .	Liquid pipe	mm		Φ9.53				
connections ³	Gas pipe	mm		Φ15.9				
Airflow rate		m³/h	3700	5200	5000			
Sound pressu	ire level	dB(A)	54	54	56			
Net dimensio	ons (W×H×D)	mm	982×712×440	950×8	40×426			
Packed dimensions (W×H×D) mm		mm	1048×810×485	1025×	950×510			
Net weight		kg	53	71.5	83			
Gross weight		kg	57.5	81	92			
Operating te	mperature range	°C		Cooling: -5~55, Heating: -15~27				

HP			5	6			
Model			MDV-V140W/DHN1(C)	MDV-V160W/DHN1(C)			
Power supply V/N/Hz			220	-240/1/ 50(60)			
	Capacity	kW	14.0	15.5			
c l	Capacity	kBtu/h	47.8	52.9			
Cooling	Power input	kW	3.75	4.8			
	EER		3.73	3.23			
	Capacity	kW	16.0	18.0			
1 Jacobia a 2	Capacity	kBtu/h	54.6	61.4			
Heating ²	Power input	kW	3.85	4.65			
	COP		4.16	3.87			
Connectable	Total capacity		45~130% of	fourdoor unit capacity			
indoor unit	Max. quantity		8	9			
Comprossor	Туре		[DC inverter			
Compressor	Quantity		1				
Fan motor	Туре		DC				
Fan motor	Quantity		1				
Refrigerant	Туре			R410A			
neiligeiain	Factory charge	kg	3.4	3.8			
Pipe	Liquid pipe	mm	Ф9.53	Φ9.53			
connections	³ Gas pipe	mm	Ф15.9	Φ19.1			
Airflow rate	•	m³/h	5400	5200			
Sound press	ure level	dB(A)	56	56			
Net dimensi	ons (W×H×D)	mm	10	40×865×523			
Packed dimensions (W×H×D) r		mm	11	20×980×560			
Net weight		kg	90.4	94.4			
Gross weigh	t	kg	100.4	104.4			
Operating te	emperature range	°C	Cooling: -5	~55, Heating: -15~27			

Notes:

Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.

Mini VRF (Standard Series) - Heat Pump

380~415V, 3N, 60Hz

HP			4.5	5	6		
Model			MDV-V120W/DCN1	MDV-V140W/DCN1	MDV-V160W/DCN1		
Power supply		V/N/Hz		380-415/3/60	60 15.5		
	Canaaita	kW	12.0	14.0	15.5		
Cooling ¹	Capacity	kBtu/h	40.9	47.8	52.9		
Power supply Cooling ¹ Heating ² Connectable indoor unit Compressor Fan motor Fan motor Pipe connections Airflow rate	Power input	kW	3.25	3.95	4.52		
	EER		3.69	3.54	3.43		
11	Canaaita	kW	13.2	15.4	17.0		
	Capacity	kBtu/h	45.0	52.5	58.0		
Heating	Power input	kW	3.47	4.16	4.77		
	COP		3.8	3.7	3.56		
Connectable	Total capacity		45~130% of outdoor unit capacity				
indoor unit	Max. quantity		б	6	7		
Comproscor	Туре			DC inverter	1		
Compressor	Quantity		1	1	1		
Fam an at an	Туре			DC motor	1		
Fan molor	Quantity		2	2	2		
Defrigerant	Туре			R410A			
Reingerant	Factory charge	kg	3.3	3.9	3.9		
Pipe	Liquid pipe	mm	Ф9.53	Φ9.53	Φ9.53		
connections	Gas pipe	mm	Φ15.9	Φ15.9	Ф19.1		
Airflow rate	-	m³/h	6983	6500	6000		
Sound pressur	e level ³	dB(A)	57	57	57		
Net dimensior	ns (W×H×D)	mm		900x1327x400			
Packed dimen	Packed dimensions (W×H×D)			1030x1456x435			
Net weight		kg	92	95	102		
Gross weight		kg	106	106	113		
Operating tem	perature range	°C		Cooling -15∼43°C; Heating -15∼27°C			

Mini VRF (Standard Series) - Heat Pump

380~415V, 3N, 50Hz

HP			4.5	5	6	6.5		
Model			MDV-V120W/DRN1	MDV-V140W/DRN1	MDV-V160W/DRN1	MDV-V180W/DRN1		
Power supply		V/N/Hz		380-415/3/50				
	Capacity	kW	12.3	14	15.5	17.5		
ooling ¹ Po	Power input	kW	3.25	3.95	4.52	5.3		
	EER		3.78	3.54	3.43	3.3		
	Capacity	kW	13.2	15.4	17	19		
Heating ²	Power input	kW	3.47	4.16	4.77	5		
	COP		3.8	3.7	3.56	3.8		
Connectable	Total capacity			45~130% of out	door unit capacity			
indoor unit	Max. quantity		6	6	7	9		
Compressor	Туре			DC ir	DC inverter			
compressor	Quantity		1					
Fan motor	Туре		DC					
Familiotor	Quantity		2					
Refrigerant	Туре			R4	10A			
Reingelant	Factory charge	kg	3.3	3.9	3.9	4.5		
Pipe connections	Liquid pipe	mm	Φ9.53					
ripe connections	Gas pipe	mm	Φ.	15.9	Φ.	19.1		
Airflow rate		m ³ /h		6000		6800		
Sound pressure le	evel ³	dB(A)		57		59		
Net dimensions (\	V×H×D)	mm	900×1327×400					
Packed dimensior	ns (W×H×D)	mm	1030×1456×435					
Net weight		kg	(95	102	107		
Gross weight		kg	1	06	113	118		
Operating temper	rature range	°C		Cooling: -15~43	; Heating: -15~27			

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. Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.

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. Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.



Indoor Units VRF indoor units



Fresh Air Processing Unit 100% fresh air supply

Ventilation Heat recovery ventilator (HRV)



AHU Connection Kit Connect to Midea or third party DX AHU



Control Systems Smart control systems



VRF V6R Series Heat Recovery Offers simultaneous cooling and heating operation in one system

- META Technology
- Zen Air Technology
- Doctor M Technology
- Enhanced Vapor Injection (EVI) Compressor
- Triple Configurations
- ESP up to 80Pa
- Plate Heat (PHE) Subcooling
- Precise Oil Control Technology
- Multi Silent Modes
- Duty Cycling
- **Backup** Operation
- Refrigerant Cooling PCB
- Auto Snow-blowing Function
- Dust-clean Function
- Standard Multi-Functional Diagnosis Box
- Automatic Refrigerant Detecting/Charging/Recycling

Wide Capacity Range

Starting at 8HP, capacity increases in 2HP increments up to 60HP, which is perfect for small to large buildings.



Wide Operation Range

The V6R VRF system has a wide operation range in cooling mode, heating mode and simultaneous cooling and heating mode.



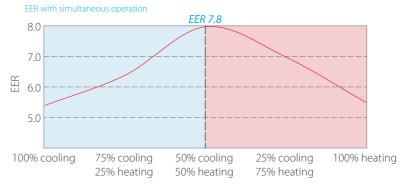
Long Piping Capability

Piping length	Capability (m)
Total piping length	1000
Longest piping length-actual (equivalent)	175 (200)
Longest piping length after first branch	40/90*
Largest level difference between IDUs and ODU-ODU up (down)	110 (110)
Largest level difference between IDUs	30

*The longest length after first branch is 40m as standard but can be extended to up to 90m under certain conditions. Please contact your local dealer for further information

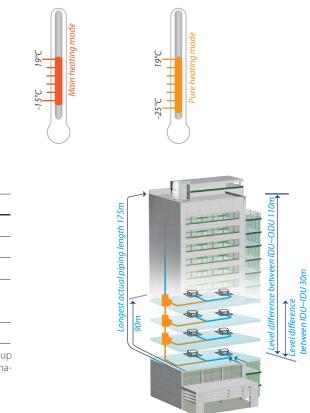
Heat Recovery, Maximum Energy Saving

V6R Heat Recovery system can perform both cooling and heating operation simultaneously in one system. Heat recovery is achieved by diverting exhaust heat from indoor units in cooling mode to areas requiring heating. As a result of this, energy efficiency is maximized and electricity costs are reduced. The part load efficiencies are high as well (up to 7.8 in 8 HP category).



EER in simultaneous cooling and heating mode are based on the following conditions: Outdoor temperature 7°CDB/6°CWB, indoor temperature 27°CDB/19°CWB for cooling, indoor temperature 20°CDB for heating.

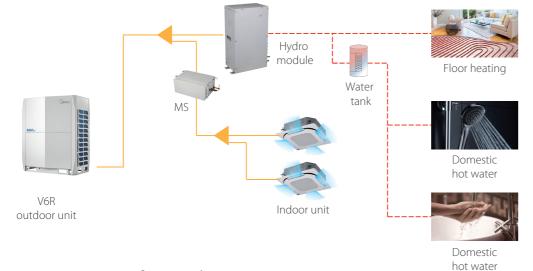




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Hot Water Supply

The V6R system can produce hot water (25°C to 80°C) when providing room air conditioning. The hot water can be used for space heating and domestic hot water, improving room comfort.



Continuous Heating During Defrost Mode

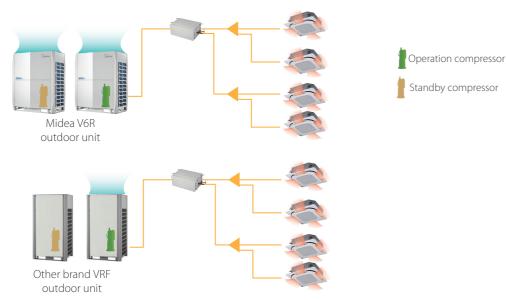
Normally, it is necessary to stop the heating operation during defrosting. However, the continuous heating operation method makes it possible to perform defrosting while the heating operation continues. With the combination model, units perform defrosting alternately. While one unit is performing defrosting, the other continues heating.



Note: This function is only available when the indoor units connected in VGR system are 2nd generation AC VRF indoor units (which will be released soon) or 2nd generation DC VRF indoor units produced after May 31st, 2020 only.

Independent Control of Heat Exchanger and Compressor to Improve Energy Efficiency

In cooling or heating mode, for a multi-unit system, the outdoor heat exchanger and compressor are independently controlled to improve energy efficiency, which means even the compressor of the outdoor unit does not operate, the heat exchanger of this outdoor unit can be used for heat exchange. This function can maximum use the outdoor heat exchanger to improve heat exchange efficiency.

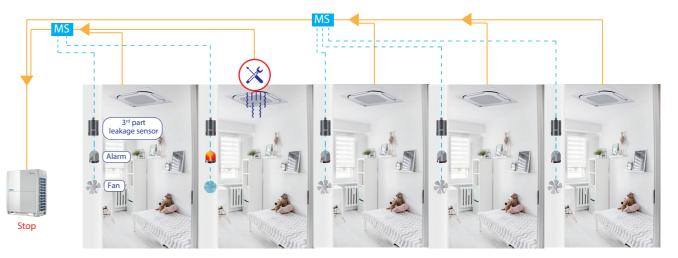


Intelligent MS Box

The V6R Heat Recovery system can perform simultaneous heating and cooling operation through the intelligent MS-box. It switches operation mode according to user requirement while it increases efficiency with simultaneous operation.

• Single Port

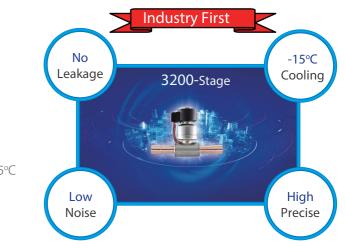
- ► Compact and light to install
- ► No drain piping needed
- Connect up to 8 indoor units, capacity up to 32kW
- Double direction connection for refrigerant pipe to improve installation flexibility
- Electric ball valve control precision is up to 3200-stage
 - Completely close the valve with almost no leakage
 - Can be opened and closed in stages with very low noise
 - Can achieve cooling at ambient temperatures as low as -15°C
 - High precision refrigerant flow control
- Low noise operation
- Real-time refrigerant leakage detection, safe and reliable operation.
- Real-time refrigerant leakage detection
- the exhaust fan will automatically run to timely reduce the concentration of refrigerant in the room



Multiple Ports: 4-6-8-10-12

- ► Compact and light to install
- Low noise operation
- Up to 5 indoor units can be connected to one port
- ▶ Up to 47 indoor units can be connected to one MS12 box
- ▶ Up to 16 kW capacity available per port
- ► Connect up to 280 index unit (28kW) by combining 2 ports





• Provide dry contact to 3rd party for alarm and exhaust fan. When refrigerant leakage occurs, the alarm light will be on and





VRF V6R Series - Heat Recovery 380~415V, 3N, 50(60)Hz

		8	10	12	14	16	18	20	
		MV6-R252WV2GN1	MV6-R280WV2GN1	MV6-R335WV2GN1	MV6-R400WV2GN1	MV6-R450WV2GN1	MV6-R500WV2GN1	MV6-R560WV2GN	
	V/N/Hz	380-415/3/50(60)							
Capacity	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	
Powerinput	kW	5.25	7.18	8.64	9.83	12.00	13.81	17.39	
EER		4.27	3.90	3.88	4.07	3.75	3.62	3.22	
Capacity		22.4		33.5	40.0	45.0	50.0	56.0	
Powerinput	kW				8.26			14.77	
COP					4.84			3.79	
Capacity		25.0	31.5	37.5	45.0	50.0	56.0	63.0	
Powerinput	kW	4.69	7.12	9.48	9.78	12.26	14.77	18.33	
COP		5.33	4.43			4.08	3.79	3.44	
Total capacity				50-20	0% of outdoor unit	capacity			
					64				
					DC inverter				
. /			1						
Туре									
Motor type			DC						
Quantity		1 2							
Static pressure	Pa				0,20,40,60,80(Selectable)				
Air flow rate	m³/h	9000	9500	10000	14000	14900	15800	15800	
Туре					R410A				
Factory charge	kg	8 10				10			
Liquid pipe	mm		Φ12.7		Ф15.9				
Low pressure gas pipe	mm		Φ25.4		Φ28.6				
High pressure gas pipe	mm		Φ19.1		Φ22.2				
level ⁴	dB(A)	58	58	60	61	64	65	65	
evel ⁴	dB(A)	78	78	81	81	88	88	88	
(W×H×D)	mm		990×1635×790		1340×1635×825				
ions (W×H×D)	mm		1090×1805×860						
. , , , , , , , , , , , , , , , , , , ,			232		300				
	kg		248			3	25		
Cooling	°C (DB)				-15 ~ 52				
Heating					-25 ~ 19				
a <u></u>									
	Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quantity Type Quantity Type Motor type Quantity Static pressure Air flow rate Type Factory charge Liquid pipe Low pressure gas pipe High pressure gas pipe level ⁴ (W×H×D) ions (W×H×D)	Capacity kW Power input kW EER Capacity kW Capacity kW Power input kW COP Capacity kW Power input kW COP Colation Total capacity Maximum quantity Type Quantity Quantity Static pressure Pa Air flow rate Air flow rate m³/h Type mm Low pressure gas pipe mm High pressure gas pipe mm Ievel ⁴ dB(A) (W×H×D) mm ions (W×H×D) mm kg Cooling Cooling °C (DB)	MV6-R252WV2GN1CapacityKW22.4Power inputkW5.25EER4.27CapacitykW22.4Power inputkW3.96COP5.66CapacitykW25.0Power inputkW4.69COP5.33Total capacitykW4.69COP5.33Total capacityMaximum quantityTypeQuantityQuantityTypeQuantityStatic pressurePaAir flow rateAir flow ratem³/hPower ⁴ dB(A)Low pressure gas pipemmHigh pressure gas pipemmLow kegColoing(W×H×D)mmions (W×H×D)mmkgkgCooling°C (DB)Heating°C (DB)	MV6-R252WV2GN1 MV6-R280WV2GN1 Capacity kW 22.4 28.0 Power input kW 5.25 7.18 EER 4.27 3.90 Capacity kW 22.4 28.0 Power input kW 5.25 7.18 EER 4.27 3.90 Capacity kW 22.4 28.0 Power input kW 3.96 5.46 COP 5.66 5.13 6 Capacity kW 25.0 31.5 Power input kW 4.69 7.12 COP 5.33 4.43 Total capacity Maximum quantity Type Quantity Total capacity Notor type Quantity 1 Static pressure Pa Air flow rate m³/h 9000 9500 Type Factory charge Kg 8 Liquid pipe mm 012.7 Low pressure gas pipe Mm	WV6-R252WV2GN1 MV6-R280WV2GN1 Capacity kW 22.4 28.0 33.5 Power input kW 5.25 7.18 8.64 EER 4.27 3.90 3.88 Capacity kW 22.4 28.0 33.5 Power input kW 22.4 28.0 33.5 Power input kW 3.96 5.46 6.57 COP 5.66 5.13 5.10 C Capacity kW 25.0 31.5 37.5 Power input kW 4.69 7.12 9.48 COP 5.33 4.43 3.95 Total capacity Maximum quantity 50-20 Maximum quantity 1 510-20 Maximum quantity 1 510-20 Quantity 1 510-20 Quantity 1 510-20 Factory charge R 8 Liquid pipe mm 010.000 Type	MV6-R252WV2GN1 MV6-R280WV2GN1 MV6-R335WV2GN1 MV6-R400WV2GN1 Capacity kW 22.4 28.0 33.5 40.0 Power input kW 5.25 7.18 8.64 9.83 EER 4.27 3.90 3.88 4.07 Capacity kW 22.4 28.0 33.5 40.0 Power input kW 3.96 5.46 6.57 8.26 COP 5.66 5.13 5.10 4.84 Capacity kW 25.0 31.5 37.5 45.0 Power input kW 4.69 7.12 9.48 9.78 COP 5.33 4.43 3.95 4.60 Total capacity 50-200% of outdoor unit 64 1 Maximum quantity 0 1 1 1 Type DC DC 0.20,40,60,80(Selecta 0.20,40,60,80(Selecta Air flow rate m³/h 9000 9500 10000 14000 <	MV6-R252WV2GN1 MV6-R355WV2GN1 MV6-R450WV2GN1 MV6-R450WV2GN1 Capacity kW 22.4 280 33.5 40.0 45.0 Power input kW 5.25 7.18 8.64 9.83 12.00 EER 4.27 3.90 3.88 4.07 3.75 Capacity kW 22.4 28.0 33.5 40.0 45.0 Power input kW 3.96 5.46 6.57 8.26 9.78 COP 5.66 5.13 5.10 4.84 4.60 Capacity kW 25.0 31.5 37.5 45.0 50.0 Power input kW 4.69 7.12 9.48 9.78 12.26 COP 5.33 4.43 3.95 4.60 4.08 Total capacity Maximum quantity 64 70 70 Maximum quantity 1 DC 70 70 Quantity 1 0.20,40.60.80(Selectable) 7	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	

HP			22	24			
Model name			MV6-R615WV2GN1	MV6-R680WV2GN1			
Combination ty	pe		10HP+12HP	10HP+14HP			
Power supply V/N/Hz			380-415/3/	50(60)			
	Capacity	kW	61.5	68.0			
Cooling ¹	Power input	kW	15.82	17.01			
	EER		3.89	4.00			
-leating ²	Capacity	kW	61.5	68.0			
Nominal)	Power input	kW	12.03	13.72			
NOMINAI)	COP		5.11	4.96			
leating ²	Capacity	kW	69.0	76.5			
0	Power input	kW	16.60	16.90			
Max)	COP		4.16	4.53			
Connected	Total capacity		50-200% of outdoo	or unit capacity			
ndoor unit	Maximum quantity		64				
Compressor	Туре		DC inverter				
Lompressor	Quantity		2				
	Туре		Propell	er			
	Motor type		DC				
an	Quantity		2	3			
	Static pressure	Pa	0,20,40,60,80(Selectable)				
	Air flow rate	m³/h	19500	23500			
Refrigerant	Туре		R410A				
Reingelant	Factory charge	kg	16	18			
'ipe	Liquid pipe	mm	Φ15.9				
connections ³	Low pressure gas pipe		Ф28.6	Ф34.9			
onnections-	High pressure gas pipe		Ф28.6				
Sound pressure	e level ⁴	dB(A)	62	63			
Sound power le		dB(A)	83	83			
Vet dimensions		mm	(990×1635×790)×2	990×1635×790+1340×1635×825			
Packed dimens		mm	(1090×1805×860)×2	1090×1805×860+1405×1805×910			
Vet weight		kg	232×2	232+300			
Gross weight		kg	248×2	248+325			
	Coolina	°C (DB)	-15~5				
Ambient temp.	Heating	°C (DB)	-25 ~ 1				
operation range	Domestic hot water	°C (DB)	-20 ~ 4				
	Domestic not water		=20~4	-			

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. For single units, diameters given are those of the unit's stop valves. For combined units, 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 Engineering Data Book for connection piping diameters.

4. Sound pressure level is measured at a position 1 m in front of the unit and 1.3 m above the floor in a semi-anechoic chamber.

VRF V6R Series - Heat Recovery 380~415V, 3N, 50(60)Hz

HP			26	28	30			
Model name			MV6-R735WV2GN1	MV6-R785WV2GN1	MV6-R835WV2GN1			
Combination typ	e		12HP+14HP	12HP+16HP	12HP+18HP			
Power supply		V/N/Hz		380-415/3/50(60)				
	Capacity	kW	73.5	78.5	83.5			
Cooling ¹	Power input	kW	18.46	20.64	22.45			
-	EER		3.98	3.80	3.72			
Heating ²	Capacity	kW	73.5	78.5	83.5			
(Nominal)	Power input	kW	14.83	16.35	18.47			
(i torrini di)	COP		4.96	4.80	4.52			
Lloating?	Capacity	kW	82.5	87.5	93.5			
(Max)	Power input	kW	19.27	21.74	24.25			
	COP		4.28	4.02	3.86			
Connected	Total capacity			50-200% of outdoor unit capacity				
indoor unit	Maximum quantity		64					
Compressor	Туре			DC inverter				
Compressor	Quantity		2					
	Туре		Propeller					
	Motor type		DC					
	Quantity		3					
	Static pressure	Pa	0,20,40,60,80(Selectable)					
	Air flow rate	m³/h	24000	24900	25800			
D. (Type			R410A				
Refrigerant	Factory charge	ka		18				
Pipe	Liquid pipe	mm		Φ19.1				
1	Low pressure gas pipe	mm		Ф34.9				
connections ³	High pressure gas pipe	mm		Φ28.6				
Sound pressure l		dB(A)	64	65	66			
Sound power lev		dB(A)	84	89	89			
Net dimensions (mm		990×1635×790+1340×1635×825				
Packed dimension		mm		1090×1805×860+1405×1805×910				
Net weight		kg		232+300				
Gross weight		ka		248+325				
	Cooling	°C (DB)		-15 ~ 52				
Ambient temp.	Heating	°C (WB)		-25 ~ 19				
operation range	Domestic hot water	°C (DB)		-20 ~ 43				

HP			32	34	36	38	40		
Modelname			MV6-R900WV2GN1	MV6-R950WV2GN1	MV6-R1000WV2GN1	MV6-R1060WV2GN1	MV6-R1120WV2GN1		
Combination type	2		16HP+16HP	16HP+18HP	18HP+18HP	18HP+20HP	20HP+20HP		
Power supply		V/N/Hz			380-415/3/50(60)				
	Capacity	kW	90.0	95.0	100.0	106.0	112.0		
Cooling ¹	Powerinput	kW	24.00	25.81	27.62	31.20	34.78		
5	EER		3.75	3.68	3.62	3.40	3.22		
Heating ²	Capacity	kW	90.0	95.0	100.0	106.0	112.0		
(Nominal)	Powerinput	kW	19.57	21.69	23.81	26.67	29.53		
(NOTTITIO)	COP		4.60	4.38	4.20	3.97	3.79		
Heating ²	Capacity	kW	100.0	106.0	112.0	119.0	126.0		
(Max)	Powerinput	kW	24.52	27.03	29.53	33.09	36.65		
(IVIdX)	COP		4.08	3.92	3.79	3.60	3.44		
Connected	Total capacity			50	-200% of outdoor unit cap	acity			
indoor unit	Maximum quantity				64	,			
Compressor	Туре		DC inverter						
compressor	Quantity		2						
	Type		Propeller						
	Motor type		DC						
Fan	Quantity		4						
	Static pressure	Pa	0.20.40.60.80(Selectable)						
	Air flow rate	m³/h	29800	30700	31600	31600	31600		
Refrigerant	Туре		R410A						
heniyelani	Factory charge	kg			20				
Pipe	Liquid pipe	mm			Φ19.1				
connections ³	Low pressure gas pipe	mm		Ф34.9		Φ41.3			
connections-	High pressure gas pipe	mm		Ф28.6		Ф34.9			
Sound pressure le	vel ⁴	dB(A)	67	68	68	68	68		
Sound power leve		dB(A)	91	91	91	91	91		
		mm	(1340×1635×825)×2						
		mm	(1405×1805×910)×2						
		kg	300×2						
		ka	325×2						
	Cooling	°C (DB)			-15 ~ 52				
Ambient temp.	Heating	°C (WB)			-25 ~ 19				
operation range	Domestic hot water	°C (DB)	-25~ 19 -20~ 43						

Notes:

 Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 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 Diancet S growth are the pipe contracting the obtained on the maximum of the maximum of the pipe contracting the obtained pipe in the pipe contracting the pipe contracting the obtained pipe in the pipe contracting the pipe contresting the pipe contracting the pipe contracting the pipe cont

380~415V, 3N, 50(60)Hz

HP			42		44	46		48	
Modelname				MV6-R1185WV2GN1 MV6-R1235WV2GN1 MV6-R1300WV2GN1 MV6-R1350WV2					
Combination typ	e		12HP+14HP+	16HP	12HP+16HP+16HP	14HP+16HP+	-16HP 16	HP+16HP+16HP	
Power supply		V/N/Hz			380-	415/3/50(60)			
	Capacity	kW	118.5		123.5	130.0		135.0	
Cooling ¹	Powerinput	kW	30.46		32.64	33.83		36.00	
5	EER		3.89		3.78	3.84		3.75	
Heating ²	Capacity	kW	118.5		123.5	130.0		135.0	
(Nominal)	Powerinput	kW	24.62		26.13	27.83		29.35	
(NOITIITIdI)	COP		4.81		4.73	4.67		4.60	
Heating ²	Capacity	kW	132.5		137.5	145.0		150.0	
Heating ² (Max)	Powerinput	kW	31.53		34.01	34.31		36.79	
(IVIAX)	COP		4.20		4.04	4.23		4.08	
Connected	Total capacity				50-200% of c	outdoor unit capacity	1		
indoor unit	Maximum quantity					64			
Comproser	Туре				D	C inverter			
Compressor	Quantity					3			
	Туре				F	Propeller			
	Motor type					DC			
Fan	Quantity		5 6						
	Static pressure	Pa	0,20,40,60,80(Selectable)						
	Air flow rate	m³/h	38	900	39800	43800		44700	
Defiinment	Type			R410A					
Refrigerant	Factory charge	kg	28 30						
Pipe	Liquid pipe	mm				Φ19.1			
	Low pressure gas pipe	mm				Ø41.3			
connections ³	High pressure gas pipe	mm				Ф34.9			
Sound pressure le	evel ⁴	dB(A)	6	57	68	68		69	
Sound power lev		dB(A)	8	39	91	91		93	
Net dimensions (mm			(1340×1635×825)×2		(1340×1635×825)×		
Packed dimensio		mm			-(1405×1805×910)×2		(1405×1805×910)×		
Net weight		kq			232+300×2		300×3	5	
Gross weight		ka			248+325×2		325×3		
	Cooling	°C (DB)	-15 ~ 52						
Ambient temp.	Heating	°C (WB)				-25 ~ 19			
operation range	Domestic hot water	°C (DB)				-20 ~ 43			
	Domestic not water	- C (DB)				20 -13			
HP			50	52	54 GN1 MV6-R1500WV2GN1	56	58	60	
Model name									
Combination typ	e	1///	16HP+16HP+18HP	16HP+18HP+1			18HP+20HP+20HP	20HP+20HP+20HP	
Power supply	(C	V/N/Hz	140.0	1.45.0		5/3/50(60)	162.0	1(0.0	
Cooling	Capacity	kW kW	140.0	145.0 39.62	150.0	156.0 45.01	162.0 48.59	168.0	
Cooling ¹	Power input EER	KVV	37.81	39.62	3.62	3.47	48.59	3.22	
	EEK Capacity	L\\/	3.70	3.00	3.02	3.4/	3.33	3.22	

	Capacity	KVV	140.0	145.0	100.0	100.0	102.0	100.0
Cooling ¹	Powerinput	kW	37.81	39.62	41.44	45.01	48.59	52.17
5	EER		3.70	3.66	3.62	3.47	3.33	3.22
Heating ²	Capacity	kW	140.0	145.0	150.0	156.0	162.0	168.0
(Nominal)	Power input	kW	31.47	33.59	35.71	38.58	41.44	44.30
(11011111111)	COP		4.45	4.32	4.20	4.04	3.91	3.79
-leating ²	Capacity	kW	156.0	162.0	168.0	175.0	182.0	189.0
0	Power input	kW	39.29	41.80	44.30	47.86	51.42	54.98
Max)	COP		3.97	3.88	3.79	3.66	3.54	3.44
Connected	Total capacity				50-200% of outo	door unit capacity		
indoor unit	Maximum quantity							
Comproser	Туре			$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$				
Compressor	Quantity					3		
	Туре				Prop	peller		
	Motor type				Ć	C	3.33 162.0 41.44 3.91 182.0 51.42	
Fan	Quantity				(6		
	Static pressure	Pa			0,20,40,60,8	0(Selectable)		
	Air flow rate	m³/h	45600	46500	47400	47400	47400	47400
Refrigerant	Type				R4	10A		
heniyelant	Factory charge	kg			3	0		
Pipe	Liquid pipe	mm			Φ1	9.1		
connections ³	Low pressure gas pipe	mm						
connections	High pressure gas pipe	mm			Φ3	4.9		
Sound pressure l	level ⁴	dB(A)	69	69	70	70	70	70
Sound power lev	/e ⁴	dB(A)	93	93	93	93	93	93
Net dimensions (mm			(1340×16	35×825)×3		
Packed dimensio		mm						
Net weight	(kg						
Gross weight		ka						
	Coolina	°C (DB)						
Ambient temp.	Heating	°C (WB)						
operation range	Domestic hot water	°C (DB)			-20	~ 43		

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. 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 90m or longer, please refer to the 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.

Model name			MS01/N1-D	MS04/N1-D	MS06/N1-D	MS08/N1-D	MS10/N1-D	MS12/N1-D	
Power supply			220-240V~50/60Hz						
Max. number of inde	oor unit groups		1	4	6	8	10	12	
Max. number of inde	oor units per group		8	5	5	5	5	5	
Max. number of dov	vnstream indoor units		8	20	30	40	47	47	
Max. capacity of eac	h group of indoor units	kW	32	16	16	16	16	16	
Max. total capacity o	of all downstream indoor units	kW	32	49	63	85	85	85	
	Liquid pipe	mm	Ø9.53/Ø12.7	Ø9.53/Ø12.7/Ø15.9/Ø19.	Ø9.53/Ø12.7/Ø15.9/Ø19.1	Ø12.7/Ø15.9/Ø19.1/Ø22.2	Ø12.7/Ø15.9/Ø19.1/Ø22.2	Ø12.7/Ø15.9/Ø19.1/Ø2	
Pipe connections to ODU ¹	Low pressure gas pipe	mm	Ø15.9/Ø19.1/Ø22.2	Ø19.1/Ø22.2/Ø28.6	Ø19.1/Ø22.2/Ø28.6	Ø22.2/Ø28.6/Ø34.9	Ø22.2/Ø28.6/Ø34.9	Ø22.2/Ø28.6/Ø34.9	
	High pressure gas pipe	mm	Ø12.7/Ø15.9/Ø19.1	Ø15.9/Ø19.1/Ø22.2/Ø28.6	Ø15.9/Ø19.1/Ø22.2/Ø28.6	Ø19.1/Ø22.2/Ø28.6	Ø19.1/Ø22.2/Ø28.6	Ø19.1/Ø22.2/Ø28.6	
Pipe connections	Liquid pipe	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø9.53	
to IDU ¹	Gas pipe	mm	Ø12.7/Ø15.9	Ø12.7/Ø15.9	Ø12.7/Ø15.9	Ø12.7/Ø15.9	Ø12.7/Ø15.9	Ø12.7/Ø15.9	
Sound pressure leve	2 1	dB(A)	40	44	45	47	47	47	
Sound power level ¹		dB(A)	60	63	65	65	65	65	
Net dimensions (W>	(H×D)	mm	440×195×296	668×250×574	668×250×574	974×250×574	974×250×574	974×250×574	
Packed dimensions	(W×H×D)	mm	740×275×405	1020×390×850	1020×390×850	1320×390×850	1320×390×850	1320×390×850	
Net weight		kg	10.5	33	36	48	51	54	
Gross weight		kg	14	58	61	79	82	85	

1 There is more than one size for pipe diameter in the above table because MS provides multiple sizes for different installation conditions.

VRF V6R Series - High temperature hydro module

Model			SMK-D140HHN1-3		
Power supply			220-240V~50/60Hz		
Heating Capacity ¹		kW	14		
Operating	Heating	°C	-20~30		
temperature range	Domestic hot water	°C	-20~43		
Water temperature		°C	25~80		
Water flow rate	Nominal (MinMax.)	m³/h	2.4 (1.2-2.9)		
Allowable water pre	ssure	Мра	0.1-0.3		
	Туре		R134a		
Refrigerant	Factory charge	kg	1.2		
Sound pressure level dB(#		dB(A)	43		
Net dimensions (W×	(H×D)	mm	450x795x300		
Packed dimensions	(W×H×D)	mm	735×820×380		
Net / Gross weight		kg	63/71		
	Connection type		Brazing		
Refrigerant pipe	Liquid pipe diameter	mm	Ф9.53		
	Gas pipe diameter	mm	Ф12.7		
	Connection type		External thread		
Water pipe	Inlet pipe diameter	mm	Ф25.4		
	Outlet pipe diameter	mm	Φ25.4		
Unit installation ambient temperature range °C		°C	0~40		
Unit installation place	ce		Indoor only		
Note:					

Nominal heating capacity is based on the following conditions: ambient temperature 7°C DB/6°C WB; water inlet/outlet temperature 40°C DB/45°C.

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Indoor Units VRF indoor units



Fresh Air Processing Unit 100% fresh air supply

Ventilation Heat recovery ventilator (HRV)



AHU Connection Kit Connect to Midea or third party DX AHU

Control Systems Smart control systems



Wide Capacity Range

For single unit, the capacity is up to 30HP. For combined units, maximum three 30HP units can be combined with capacity up to 90HP.

8/10/12/14/16HP (with single fan)

18/20/22HP (with dual fans)





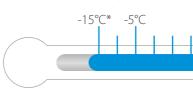
16-60HP





Wide Operating Temperature Range

The VC Pro VRF can operate stably in a wide ambient temperature range: from -5°C (-15°C*) to 55°C in cooling mode. * Cooling operation at -15°C is available as a customization option.



Long Piping Capability

Piping length	Capability (m)
Total piping length	1000
Longest piping length-actual (equivalent)	175 (200)
Longest piping length after first branch	40/90*
Largest level difference between IDUs and ODU-ODU up (down)	90 (110)
Largest level difference between IDUs	30

*The longest length after first branch is 40m as standard but can be extended to up to 90m under certain conditions. Please contact your local dealer for further information.

VRF VC Pro Series Cooling Only

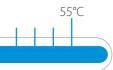
Optimized design for small to large buildings

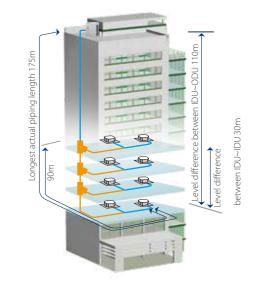
- ► META Technology
- Zen Air Technology
- Doctor M Technology
- ► Triple Configurations
- ▶ High Efficiency G-Shape Heat Exchanger
- ESP up to 60Pa
- Precise Oil Control Technology
- Multi Silent Modes
- Duty Cycling
- Backup Operation
- Refrigerant Cooling PCB
- ► Automatic Refrigerant Detecting/Charging





24-90HP





VRF VC Pro Series - Cooling Only

380~415V, 3N, 50(60)Hz

HP			8	10	12		
Model name			MVC-224WV2GN1	MVC-280WV2GN1	MVC-335WV2GN1		
Power supply		V/N/Hz	380-415/3/50(60)				
	Capacity	kW	22.4	28.0	33.5		
C 1: 1	Capacity	kBtu/h	76.5	95.6	114.4		
Cooling ¹	Power input	kW	5.17	6.81	9.13		
EER	EER		4.33	4.11	3.67		
Connected	Total capacity			50-130%			
indoor unit	Maximum quantit	.y	13	16	20		
Comproser	Type			DC inverter			
Compressor	Quantity		1				
	Туре		DC				
an	Model		ZKSN-560-8-42L				
	Quantity		1				
Fdfi	Motor output	kW					
	Max. ESP	Pa		20 default;60 customization option			
	Airflow rate	m³/h	10	400	10800		
Defrimenent	Туре		R410A				
Refrigerant	Factory charge	kg		8			
Pipe	Liquid pipe	mm	Φ12.7	Φ12.7	Φ12.7		
connections ²	Gas pipe	mm	Ф25.4	Φ25.4	Ф28.6		
Sound pressure leve	el ³	dB(A)	57	58	60		
Net dimensions (W×H×D) mm		mm		960×1615×765			
Packed dimensions (W×H×D) mm		mm	1025×1790×830				
Net weight		kg	188				
Gross weight		kg		204			
Ambient temp.	Cooling	°C		-5 ℃ to 55 ℃			

HP		14	16	18	20		
lodel name		MVC-400WV2GN1	MVC-450WV2GN1	MVC-500WV2GN1	MVC-560WV2GN1		
Power supply		V/N/Hz		380-415/	/3/50(60)		
Capacity		kW	40.0	45.0	50.0	56.0	
C 1. 1	Power input kW	136.6	153.7	170.8	191.3		
Cooling ¹	Power input	kW	10.58	12.26	14.88	17.66	
	EER		3.78	3.67	3.36	3.17	
Connected	Total capacity			50-1	30%		
indoor unit	Maximum quantity		23	26	29	33	
C	Туре			DC ir	iverter		
Compressor	Quantity		1		2		
Mo	Туре		DC				
	Model		ZKSN-75	50-8-2	ZKSN-560-8-42L		
	Quantity		1		2		
Fdfi	Motor output	kW	0.7	5	0.56×2		
	Max. ESP	Pa		20 default;60 cus	stomization option		
	Airflow rate	m³/h	1160	00	12000	12200	
Defiinerent	Туре		R410	A	R4	10A	
Refrigerant	Factory charge	kg	11		1	3	
Pipe	Liquid pipe	mm	Φ15	.9	Φ1	5.9	
connections ²	Gas pipe	mm	Ф31	.8	Ф3	1.8	
Sound pressure le	evel ³	dB(A)	60		63		
Net dimensions (W×H×D)		mm	960×161	5×765	1250×10	615×765	
Packed dimensions (W×H×D) mm		mm	1025×179	90×830	1305×1	790×820	
Net weight		kg	197	7	278		
Gross weight		kg	213	}	297		
Ambient temp.	Cooling	°C		-5 ℃ to	55 °C		

Notes:

Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Diameters given are those of the unit's accessories.
 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.

VRF VC Pro Series - Cooling Only 380~415V, 3N, 50(60)Hz

HP			22	24	26		
Model name			MVC-615WV2GN1	MVC-670WV2GN1	MVC-730WV2GN1		
Power supply		V/N/Hz		380-415/3/50(60)			
	Capacity	kW	61.5	67.0	73.0		
Contract	Capacity	kBtu/h	210.0	228.8	249.3		
Cooling ¹	Power input	kW	20.23	20.68	23.40		
	EER		3.04	3.24	3.12		
Connected	Total capacity		50-130%	50-130%	50-130%		
indoor unit	Maximum quantity		36	39	43		
Compressor	Туре			380-415/3/50(60) 61.5 67.0 210.0 228.8 20.23 20.68 3.04 3.24 50-130% 50-130% 36 39 DC inverter 2 DC DC ZKSN-560-8-42L 2 0.56×2 0.56×2 20 default;60 customization option 19600 12200 19600 R410A 19 015.9 019.1 63 64 1250×1615×765 1585×1615 1305×1790×820 1650×1810			
Compressor	Quantity						
	Туре		DC				
an	Model		ZKSN-560-8-42L				
	Quantity		2				
I di I	Motor output	kW	0.56×2				
	Max. ESP	Pa		20 default;60 customization option			
	Airflow rate	m³/h	12200	19	600		
Refrigerant	Туре			R410A			
nemgerant	Factory charge	kg	13		19		
Pipe	Liquid pipe	mm	Φ15.9	Φ19.1	Φ19.1		
connections ²	Gas pipe	mm	Φ31.8	Φ31.8	Ф34.9		
Sound pressure leve	3	dB(A)	63	6	4		
Net dimensions (W×	H×D)	mm	1250×1615×765	1585×16	515×765		
Packed dimensions (W×H×D)		mm	1305×1790×820	1650×18	310×840		
Net weight		kg	278	338			
Gross weight		kg	297 362				
Ambient temp.	Cooling	°C		-5 ℃ to 55 ℃			

HP			28	30		
Model name			MVC-785WV2GN1 MVC-850WV2GI			
Power supply		V/N/Hz	380-415/3/50(60)			
	Conneitu	kW	78.5	85.0		
Cooling	Capacity	kBtu/h	268.1	290.3		
Cooling ¹	Power input	kW	26.08	29.51		
	EER		3.01	2.88		
Connected	Total capacity		50-130%	50-130%		
indoor unit	Maximum quantity		46	50		
Compressor	Туре		DC inv	verter		
Quantity			2			
	Туре		DC			
an	Model		ZKSN-560-8-42L			
	Quantity		2			
1 d11	Motor output	kW	0.56	×2		
	Max. ESP	Pa	20 default;60 custo	omization option		
	Airflow rate	m³/h	20600			
Refrigerant	Туре		R41	0A		
neingelant	Factory charge	kg	19)		
Pipe	Liquid pipe	mm	Φ19	9.1		
connections ²	Gas pipe	mm	Ф34.9	Ф34.9		
Sound pressure level ³		dB(A)	64			
Net dimensions (W×H×D)		mm	1585×16	15×765		
Packed dimensions (W×H×D)		mm	1650×18	10×840		
Net weight		kg	33	8		
Gross weight		kg	36	2		
Ambient temp.	Cooling	°C	-5 °C to	55 ℃		

Notes:

Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Diameters given are those of the unit's accessories.
 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.

VRF VC Pro Series - Cooling Only

380~415V, 3N, 50(60)Hz

HP			32	34	36	38	
Model name			MVC-900WV2GN1	MVC-950WV2GN1	MVC-1010WV2GN1	MVC-1065WV2GN	
Combination type	2		16HP+16HP	22HP+12HP	20HP+16HP	22HP+16HP	
Power supply V/N/Hz				380-415/3	/50(60)		
Capacity		kW	90.0	95.0	101.0	106.5	
Coult of	Capacity	kBtu/h	307.4	324.4	345.0	363.7	
Cooling ¹	Power input	kW	24.52	29.36	29.92	32.49	
	EER		3.67	3.24	3.38	3.28	
Connected	Total capacity			5.0/ 5.24 5.50 50-130% 53 56 59 DC inverter DC 50 50			
indoor unit	Maximum quantity		53	56	59	63	
6	Туре			DC inv	W2GN1 MVC-1010WV2GN1 MVC-1063 12HP 20HP+16HP 22HP+ 380-415/3/50(60) 0 101.0 106.5 0 101.0 106.5 363.7 36 29.92 32.45 364.2 24 3.38 3.28 50-130% 50 59 63 0 DC 3 3 3 DC 3 3 3 3 B 13+11 1 1.1 19.1 8 38.1 65 (1250×1615×765)+(960×1615×765) (1305×1790×820)+(1025×1790×830) 188 278+197		
Compressor	Quantity		2				
	Туре			DC	3 DC 3 stomization option		
Fan	Quantity		2				
	Max. ESP	Pa		20 default;60 custo	mization option		
Defrie erent	Туре			R410	3/50(60)		
Refrigerant	Factory charge	kg	11×2	13+8	13+	11	
Pipe connections	, Liquid pipe	mm	19.1	19.1	19.1		
Pipe connections	Gas pipe	mm	31.8	31.8	38.	1	
Sound pressure le	evel ³	dB(A)	64		65		
Net dimensions (\	W×H×D)	mm	(960×1615×765)×2		(1250×1615×765)+(960×161	5×765)	
Packed dimensions (W×H×D) mm		(1025×1790×830)×2	(1305×1790×820)+(1025×1790×830)				
Net weight		kg	197X2	278+188	278+1	197	
Gross weight		kg	213X2	297+204	297+2	213	
Ambient temp	Cooling	°C		-5°C to	55 °C		

HP			40	42	44		
Model name			MVC-1120WV2GN1	MVC-1120WV2GN1 MVC-1180WV2GN1 MVC-1235			
Combination type	2		24HP+16HP	26HP+16HP 28HP+16			
Power supply		V/N/Hz		380-415/3/50(60)			
	Connerity	kW	112.0	118.0	123.5		
Cooling ¹	Capacity	kBtu/h	382.5	403.0	421.8		
Cooling	Power input	kW	32.94	35.66	38.34		
	EER		3.40	3.31	3.22		
Connected	Total capacity			50-130%			
indoor unit	Maximum quantity		64 DC inverter				
Compressor	Туре			DC inverter			
Compressor	Quantity		3				
	Туре		DC				
Fan	Quantity		3				
	Max. ESP	Pa		20 default;60 customization option			
Refrigerant	Туре			R410A			
neiligeiant	Factory charge	kg		19+11			
Pipe connections	2 Liquid pipe	mm		19.1			
ripe connections	Gas pipe	mm		38.1			
Sound pressure le	evel ³	dB(A)		65	66		
Net dimensions (\	W×H×D)	mm		(1585×1615×765)+(960×1615×765)			
Packed dimension	ns (W×H×D)	mm	(1650×1810×840)+(1025×1790×830)				
Net weight		kg	338+197				
Gross weight		kg		362+213			
Ambient temp.	Cooling	°C		-5°C to 55 °C			

Notes:

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. 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 VC Pro Series Engineering Data Book for connection piping diameters. 3. 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.

VRF VC Pro Series - Cooling Only

380~415V, 3N, 50(60)Hz

HP			46	48	50	52		
Model name			MVC-1300WV2GN1	MVC-1345WV2GN1				
Combination type	5		30HP+16HP	26HP+22HP	28HP+22HP 30HP+22HI 415/3/50(60) 146.5 140.0 146.5 478.1 500.3 46.31 49.74 3.02 2.95 50-130% 64 DC inverter 4 4 4			
Power supply		V/N/Hz	380-415/3/50(60)					
		kW	130.0	134.5	140.0	146.5		
Casliasi	Capacity	kBtu/h	444.0	459.3	MVC-1400WV2GN1 28HP+22HP 5/3/50(60) 140.0 478.1 46.31 3.02 >-130% 64 inverter 4 DC 4 DC 4 19+13 19.1 38.1 66 585×1615×765)+(1250×16	500.3		
Cooling ¹	Power input	kW	41.77	43.63	46.31	49.74		
	EER		3.11	3.08	3.02	2.95		
Connected	Total capacity			50-130%				
indoor unit	Maximum quantity			6	54			
<u></u>	Туре		DC inverter					
Compressor	Quantity		3		4			
	Type			DC				
Fan	Quantity		3		4			
	Max. ESP	Pa		20 default;60 cu	stomization option			
Definence	Туре	•		134.5 140.0 146 459.3 478.1 500 43.63 46.31 49.7 3.08 3.02 2.9 50-130% 64 DC inverter 64 DC 4 20 default/60 customization option R410A 19.1 38.1 66 (765) (155×1615×765)+(1250×1615×765) 338+278				
Refrigerant	Factory charge	kg	19+11		19+13			
Pipe connections ²	Liquid pipe	mm			19.1			
Pipe connections	Gas pipe	mm			38.1			
Sound pressure le	vel ³	dB(A)		6	6			
Net dimensions (V	V×H×D)	mm	(1585×1615×765)+(960×1615×765)	(1	585×1615×765)+(1250×1615	×765)		
Packed dimension	ns (W×H×D)	mm	(1650×1810×840)+(1025×1790×830)	(1650×1810×840)+(1305×1790×820)				
Net weight		kg	338+197		338+278			
Gross weight		kg	362+213		362+297			
Ambient temp. Co	ooling	°C		-5°C	to 55 °C			

HP			54	56	58			
Model name			MVC-1515WV2GN1	MVC-1570WV2GN1	MVC-1635WV2GN1			
Combination type	2		28HP+26HP	28HP+28HP	30HP+28HP			
Power supply		V/N/Hz		380-415/3/50(60)				
	Conneitu	kW	151.5	157.0	163.5			
Cooling	Capacity	kBtu/h	517.4	536.2	558.4			
Cooling ¹	Power input	kW	49.48	52.16	55.59			
	EER		3.06	3.01	2.94			
Connected	Total capacity		MVC-1515W/2GN1 MVC-1635 28HP+26HP 28HP+28HP 30HP+ 380-415/3/50(60) 30HP+ 151.5 157.0 163 517.4 536.2 558 49.48 52.16 555. 3.06 3.01 2.9 50-130% 64 64 DC inverter 4 DC 0 4 20 default;60 customization option 8410A 19×2 19.1 38.1 41.2 66 66 66 (1585×1615×765)×2 (1650×1810×840)×2 338×2					
indoor unit	Maximum quantity			64				
Compressor	Туре		DC inverter					
Compressor	Quantity		4					
	Туре		DC					
Fan	Quantity			4				
	Max. ESP	Pa		20 default;60 customization option				
Refrigerant	Туре			R410A				
Reingerant	Factory charge	kg		19×2				
Pipe connections	Liquid pipe	mm		19.1				
ripe connections	Gas pipe	mm	38.1	4	11.2			
Sound pressure le	vel ³	dB(A)	66		66			
Net dimensions (\	V×H×D)	mm		(1585×1615×765)×2				
Packed dimensior	is (W×H×D) mm		(1650×1810×840)×2					
Net weight		kg	338×2					
Gross weight		kg		362×2				
Ambient temp.	Cooling	°C		-5°C to 55 °C				

Notes:

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. 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 VC Pro Series Engineering Data Book for connection piping diameters. 3. 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.

VRF VC Pro Series - Cooling Only 380~415V, 3N, 50(60)Hz

HP			60	62	64	66		
Model name			MVC-1700WV2GN1	MVC-1750WV2GN1	MVC-1795WV2GN1	MVC-1850WV2GN1		
Combination typ	e		30HP+30HP 30HP+16HP+16HP		26HP+22HP+16HP	28HP+22HP+16HP		
Power supply		V/N/Hz		380-415/3/50(60)				
	Connecitu	kW	170.0	175.0	179.5	185.0		
Castinal	Capacity	kBtu/h	580.6	597.8	613.0	631.8		
Cooling ¹	Power input	kW	59.02	54.03	55.89	58.57		
	EER		2.88	3.24	3.21	3.16		
Connected	Total capacity			50-1	30%			
indoor unit	Maximum quantity		64					
C	Туре			DC in	verter			
Compressor	Quantity			4		5		
	Туре		DC					
Fan	Quantity			4		5		
	Max. ESP	Pa		20 default;60 cust	omization option			
Definerent	Туре			R41	0A			
Refrigerant	Factory charge	kg	19×2	19+11×2	19-	-13+11		
D	, Liquid pipe	mm		19	.1			
Pipe connections	Gas pipe	mm	41.2					
Sound pressure l	evel ³	dB(A)		6	б			
Net dimensions (W×H×D)	mm	(1585×1615×765)×2	(1585×1615×765)+(960×1615×765)×2	(1585×1615×765)+(1250×	:1615×765)+(960×1615×765		
Packed dimensio	ns (W×H×D)	mm	(1650×1810×840)×2	(1650×1810×840)+(1025×1790×830)×2	(1650×1810×840)+(1305×	1790×820)+(1025×1790×830		
Net weight		kg	338×2	338+197×2	338+	278+197		
Gross weight		kg	362×2	362+213×2	362+	297+213		
Ambient temp	Cooling	°C	-5°C to 55 °C					

HP			68	70	72	74		
Model name			MVC-1915WV2GN1	MVC-1965WV2GN1	MVC-2020WV2GN1	MVC-2085WV2GN1		
Combination typ	e		30HP+22HP+16HP	30HP+22HP+16HP 28HP+26HP+16HP 28HP+28HP+16HP 30HP+2				
Power supply		V/N/Hz		380-415/3/50(60)				
	Carponite	kW	191.5	196.5	202.0	208.5		
Cooling ¹	Capacity	kBtu/h	654.1	671.1	689.9	712.2		
Cooling	Power input	kW	62.00	61.74	64.42	67.85		
	EER 3.09 3.18	3.18	3.14	3.07				
Connected	Total capacity			50-	130%			
indoor unit	Maximum quantity				64			
Comprossor	Туре			DC i	nverter			
Compressor	Quantity		5					
	Туре		DC					
Fan	Quantity		5					
	Max. ESP	Pa		20 default;60 cu	stomization option			
Refrigerant	Туре			R4	410A			
Reingerant	Factory charge	kg	19+13+11		19×2+11			
Pipe connections ²	Liquid pipe	mm		22.2				
Pipe connections	Gas pipe	mm		4	14.5			
Sound pressure le	evel ³	dB(A)		67		68		
Net dimensions (W×H×D)	mm	(1585×1615×765)+(1250×1615 ×765)+(960×1615×765)	(1	585×1615×765)×2+(960×1615×76	5)		
Packed dimensio	ns (W×H×D)	mm	(1650×1810×840)+(1305×1790 ×820)+(1025×1790×830)	(16	50×1810×840)×2+(1025×1790×8	30)		
Net weight		kg	338+278+197		338×2+197			
Gross weight		kg	362+297+213		362×2+213			
Ambient temp	Cooling	°C		-5°C	to 55 °C			

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. 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 VC Pro Series Engineering Data Book for connection piping diameters. 3. 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.

VRF VC Pro Series - Cooling Only 380~415V, 3N, 50(60)Hz

HP			76	78	80	82
Model name			MVC-2150WV2GN1	MVC-2185WV2GN1	MVC-2250WV2GN1	MVC-2315WV2GN
Combination type	2		30HP+30HP+16HP	28HP+28HP+22HP	30HP+28HP+22HP	30HP+30HP+22HF
Power supply V/N/Hz			380-415/	(3/50(60)	-	
	Constanting of the second seco	kW	215.0	218.5	225.0	231.5
Contract	Capacity	kBtu/h	734.4	746.2	768.4	790.6
Cooling ¹	Power input	kW	71.28	72.39	75.82	79.25
	EER		3.02	3.02	2.97	2.92
Connected	Total capacity			50-130%)	
indoor unit	Maximum quantity			64		
C	Туре			DC inverte	er	
Compressor	Quantity		5		6	
	Туре			DC		
Fan	Quantity		5	б		
	Max. ESP	Pa		20 default;60 custo	mization option	
Definent	Туре			R410A		
Refrigerant	Factory charge	kg	19×2+11		19×2+13	
Dipo connections?	, Liquid pipe	mm		22.2		
Pipe connections ²	Gas pipe	mm		44.5		
Sound pressure le	evel ³	dB(A)		68		
Net dimensions (V	W×H×D)	mm	(1585×1615×765)×2+(960×1615×765)	(1585)	×1615×765)×2+(1250×161	15×765)
Packed dimensior	ns (W×H×D)	mm	(1650×1810×840)×2+(1025×1790×830)	(1650)	×1810×840)×2+(1305×179	90×820)
Net weight		kg	338×2+197			
Gross weight		kg	362×2+213		362×2+297	
Ambient temp	Cooling	°C		-5°C to 55	°C	

HP			84	86	88	90	
Model name			MVC-2355WV2GN1	MVC-2420WV2GN1	MVC-2485WV2GN1	MVC-2550WV2GN	
Combination type	2		28HP+28HP+28HP	30HP+28HP+28HP	30HP+30HP+28HP	30HP+30HP+30HF	
Power supply V/N/Hz			380-415	/3/50(60)			
	C	kW	235.5	242.0	248.5	255.0	
Contract	Capacity	kBtu/h	804.3	826.5	848.7	870.9	
Cooling ¹	Power input	kW	78.24	81.67	85.10	88.53	
	EER		3.01	2.96	2.92	2.88	
Connected	Total capacity			50	-130%		
indoor unit	Maximum quantity				64		
<i>C</i>	Туре			DC	inverter		
Compressor	Quantity		б				
	Туре		DC				
Fan	Quantity		6				
	Max. ESP	Pa		20 default;60 cu	istomization option		
Defrigencet	Туре			R	410A		
Refrigerant	Factory charge	kg		ŕ	9×3		
Din	Liquid pipe	mm			25.4		
Pipe connections ²	Gas pipe	mm			50.8		
Sound pressure le	vel ³	dB(A)			68		
Net dimensions (V	V×H×D)	mm	(1585×1615×765)×3				
Packed dimension	ns (W×H×D)	mm	(1650×1810×840)×3				
Net weight		kg	338×3				
Gross weight		kg	362×3				
Ambient temp	Cooling	°C		-5°C	to 55 °C		

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. 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 VC Pro Series Engineering Data Book for connection piping diameters. 3. 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 VRF indoor units



Ventilation Heat recovery ventilator (HRV)



Control Systems Smart control systems



AHU Connection Kit Connect to Midea or third party DX AHU



VRF VC-i Series Cooling Only

- Connectable Indoor Units Quantity up to 16

- ► Refrigerant Cooling PCB
- Precise Oil Control Technology
- Advanced Silence Technology



Piping length	Capability (m)
Total piping length	150
Longest length - actual (equivalent)	120 (130)
Longest length after first branch	40
Longest length after nearest branch	15
Largest level difference between IDUs and ODU-ODU up (down)	50 (40)
Largest level difference between IDUs	15

VRF VC-i Series – Cooling Only

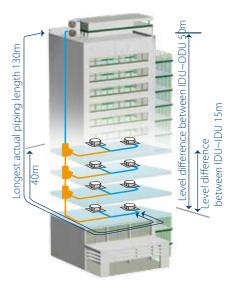
380~415V, 3N, 50Hz

HP			7	8	9	10				
Model			MDVC-V200W/DRN1	MDVC-V224W/DRN1	MDVC-V260W/DRN1	MDVC-V280W/DRN1				
Power supply	у	V/N/Hz		380-41	5/3/50	1				
	Capacity	kW	20.0	22.4	26.0	28.0				
Castina ¹	Capacity	kBtu/h	68.2	76.4	88.7	95.5				
Cooling	Power Input	kW	5.13	5.93	7.43	8.24				
	EER		3.9	3.78	3.5	3.4				
Connected	Total Capacity			50-130% of outo	loor unit capacity					
indoor unit	Maximum Quan	tity	10	13	15	16				
Compressor	Туре			DC in	iverter	•				
compressor	Quantity			1						
an	Туре		AC							
dii	Quantity			2						
Refrigerant	Туре		R410A							
5	Factory charging	g kg	3.9							
Pipe	Liquid pipe	mm	Ф9.53							
	Gas pipe	mm	Φ19.1							
Airflow rate		m³/h		71	150					
Sound pressu		dB(A)	57	57	58	59				
	ons (W×H×D)	mm	902×1327×370							
Packed dime	ensions (W×H×D)	mm	1030×1456×435							
Vet weight		kg	115							
Gross weight	t	kg			25					
Operating te	mperature range	°C		-5 -	~ 55					

380~415V, 3N, 60Hz

HP			7	8	9	10			
Model			MDVC-V200W/DCN1	MDVC-V224W/CRN1	MDVC-V260W/DCN1	MDVC-V280W/DCN1			
Power supp	ly	V/N/Hz		380-41	5/3/60				
	Capacity	kW	20.0	22.4	26.0	28.0			
C = = 1:= = 1	Capacity	kBtu/h	68.2	76.4	88.7	95.5			
Cooling ¹	Power Input	kW	5.13	5.93	7.43	8.24			
	EER		3.9	3.78	3.5	3.4			
Connected	Total Capacity		*	50-130% of outd	oor unit capacity	•			
indoor unit	Maximum Quant	ity	10	13	15	16			
Comprossor	Туре			DC in	verter	•			
Compressor	Quantity			1					
Fan	Туре		AC						
FdII	Quantity		2						
Refrigerant	Туре		R410A						
0	Factory charging	kg	3.9						
Pipe	Liquid pipe	mm	Φ9.53						
connections	Gas pipe	mm		Ф19.1					
Airflow rate		m³/h		71.	50				
Sound press		dB(A)	58	58	59	60			
	ons (W×H×D)	mm	902×1327×370						
Packed dime	ensions (W×H×D)	mm	1030×1456×435						
Net weight		kg		11	5				
Gross weigh		kg	125						
Operating te	emperature range	°C	-5 ~ 55						

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. Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.



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Indoor Units VRF indoor units



Ventilation





Control Systems Smart control systems



AHU Connection Kit Connect to Midea or third party DX AHU

VRF Mini Series Cooling Only

Optimized design for small buildings

- Capacity Up to 17kW
- Connectable Indoor Units Quantity Up to 9
- Precise Oil Control Technology
- Advanced Silence Technology
- Compact, Easy Installation



DC Inverter Compressor

DC inverter compressor makes the output of the outdoor unit to be to be modulated by the cooling or heating demands of the zone that it controls. This advanced system ensures precise temperature regulation and highly efficient energy usage, making a significant contribution to the limiting the impact on the environment.

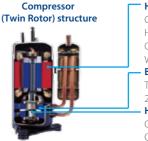


Cooling Only Mini VRF series has 5 models from 7.2kW to 17 kW with compact size which is perfect for commercial and residential applications: small offices, villas, apartments, shops, etc.

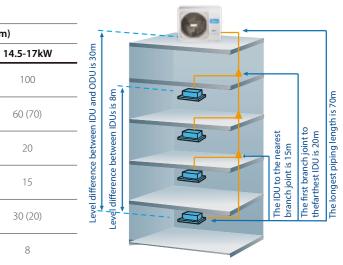


Long Piping Capability

Dining longth	Capab	ility (m
Piping length	7.2-11kW	1
Total piping length	100	
Longest piping length-actual (equivalent)	45 (50)	
Longest piping length after first branch	20	
Longest piping length after nearest branch	15	
Largest level difference between IDUs and ODU- ODU up (down)	30 (20)	
Largest level difference between IDUs	8	



Highly Efficient DC Motor:
Creative motor core design
High density neodymium magnet
Concentrated type stator
Wider operating frequency range
Better balance and Extremely Low Vibration:
Twin eccentric cams
2 balance weights
Highly Stable Moving Parts:
Optimal material matching rollers and vanes
Optimize compressor drive technology
Highly robust bearings
Compact structure



More Convenient Piping Connector – Branch Box



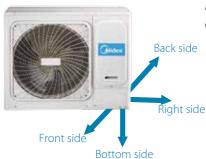
The mini VRF can be transported by elevator which makes installation dramatically easy, and effectively reduces time and labor thanks to the small size.

Easy to transport

greatly.

Easier and safer installation thanks to a branch box that simplifies piping work

Four-Way Piping Connection



A four-direction space is available for connecting pipes and wiring in various installation sites.

Mini VRF - Cooling Only 220~240V, 1N, 50Hz

HP			2.5	3	4	5	6							
Model			MDVC-V72W/DN1	MDVC-V92W/DN1	MDVC-V110W/DN1	MDVC-V145W/DN1	MDVC-V170W/DN							
Power supply		V/N/Hz			220-240V/1/50									
	Conneitre	kW	7.2	9.2	11	14.5	17							
c t l	Capacity	kBtu/h	24.6	31.4	37.5	49.5	58.0							
Cooling ¹	Power input	kW	1.64	2.06	2.75	3.57	3.99							
	EER		4.39	4.47	4.06	4.26								
Connected	Total capacity		45-130% of outdoor unit capacity											
indoor units	Maximum quan	tity	4	5	6	8	9							
Comprossors	Туре		DC inverter											
Compressors Quantity					1									
Туре					DC									
Fan Quantity					1									
Defriment	Туре				R410A									
Refrigerant	Factory charge	kg		1.4	2	6								
Pipe	Liquid pipe	mm	Ф9.53											
connections	Gas pipe	mm	Ф15.9											
Airflow rate		m³/h		3400		51	00							
Sound pressure	e level ²	dB(A)		54		5	5							
Net dimensions	s (W×H×D)	mm		973×862×355	1040×8	65×523								
Packed dimensions (W×H×D) mm				1025×910×410	1120×980×560									
Net weight		kg	58 85											
Gross weight		kg	63 92											
Operating temp	perature range	°C			-5 to 48		-5 to 48							

208~230V, 1N, 60Hz

HP			2.5	3	4	5	6					
Model			MDVC-V72W/DVN1	MDVC-V92W/DVN1	MDVC-V110W/DVN1	MDVC-V145W/DVN1	MDVC-V170W/DVN					
Power supply		V/N/Hz			208-230V/1/60							
	C	kW	7.2	9.2	11.0	14.5	17.0					
- v 1	Capacity	kBtu/h	24.6	31.4	37.5	49.5	58.0					
Cooling	Power input	kW	1.64	2.06	2.75	3.57	3.99					
	EER		4.39	4.47	4.06	4.26						
Connected	Total capacity			45	5-130% of outdoor unit capa	city						
ndoor units	Maximum quar	tity	4	5	6	8	9					
	Туре		DC inverter									
Compressors	Quantity				1							
an	Туре				DC							
dII	Quantity				1							
	Туре		R410A									
Refrigerant	Factory charge	kg		1.4	2	2.6						
Pipe	Liquid pipe	mm		Ф9.53								
connections	Gas pipe	mm	Ф15.9									
Airflow rate		m³/h		3400		51	00					
Sound pressure	level ²	dB(A)		54			55					
Net dimensions	(W×H×D)	mm		973×862×355	1040×8	365×523						
Packed dimensi	ons (W×H×D)	mm		1025×910×410	1120×980×560							
Net weight		kg		8	35							
Gross weight		kg	63 92									
Operating temp	erature range	°C	-5 to 48									

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. Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.



Indoor Units VRF indoor units

Ventilation Heat recovery ventilator (HRV)

Control Systems Smart control systems



VRF V4 Plus W Series Water Cooled

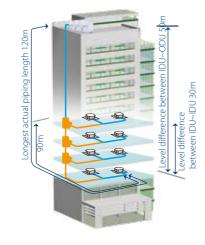
Perfect combination of water and refrigerant system

- Precise Oil Control Technolo
- Low noise operation
- Duty Cycling
- Backup Operation.

Wide Range of Outdoor Units

The Water Cooled V4+W Series capacity ranges from 8HP to 36HP, meets all customer requirements from small to large buildings.





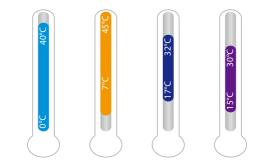
Total Long Long

Pipin

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*The longest length after first branch is 40m as standard but can be extended to up to 90m under certain conditions. Please contact your local Midea dealer for further information.

Wide Operation Temperature Range



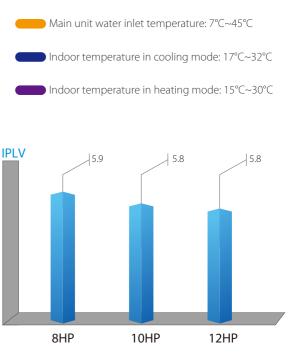
High IPLV

Midea V4 Plus W Series System combines water system and refrigerant system perfectly. IPLV(C) reaches as high as 5.9. Compared with air-cooled VRF, energy saving is higher.

8/10/12HP

Max. 3 units combination

g length	Capability
5 5	
piping length	300m
est length - actual (equivalent)	120m (150m)
est length after first branch	90m*
est height difference between or and outdoor units - ODU up (down)	50m (40m)
est height difference een indoor units	30m



Main unit ambient temperature: 0°C~40°C

High Efficiency Double-Pipe Heat Exchanger

With the innovatively designed double-pipe heat exchanger, the system has better tolerance on the water quality. The water side has large circulation area, and it is not easily plugged, creating higher reliability and easier cleaning and maintenance.



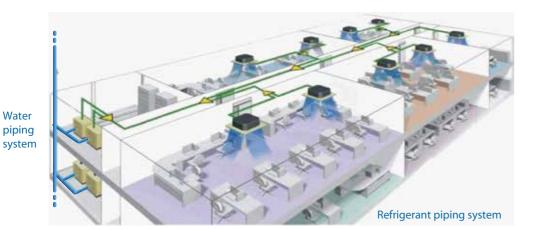
Water Side Heat Recovery Function

In modern large-scale buildings, the load between the internal and external areas is different. It may occur in some situations that both cooling and heating are required. The V4 PLUS W Series not only can achieve meticulous system division in different areas but also can recover heat at the same time, significantly improving energy efficiency.



No Water Leakage

No water pipes installed indoors, no water leakage risks.



VRF V4 Plus W Series - Water Cooled

380~415V, 3N, 50(60)Hz

HP			8	10	12	16	18	20	22			
Madal (200, 415			MDVS-	MDVS-	MDVS-	MDVS-	MDVS-	MDVS-	MDVS-			
Model (380~415	V, 3IN, 50HZ)		252(8)W/DRN1	280(10)W/DRN1	335(12)W/DRN1	504(16)W/DRN1	532(18)W/DRN1	560(20)W/DRN1	615(22)W/DRN1			
Model (380~415	1/ 2NL 60H-7)		MDVS-	MDVS-	MDVS-	MDVS-	MDVS-	MDVS-	MDVS-			
100001 (500-415	v, 514, 00112)		252(8)W/DCN1	280(10)W/DCN1	335(12)W/DCN1	504(16)W/DCN1	532(18)W/DCN1	560(20)W/DCN1	615(22)W/DCN			
Combined type			/	/	/	8HP×2	8HP+10HP	10HP×2	10HP+12HP			
	Capacity	kW	25.2	28.0	33.5	50.4	53.2	56.0	61.5			
Cooling ¹	Power input	kW	4.80	6.10	8.00	9.60	10.90	12.20	14.10			
	EER		5.25	4.59	4.19	5.25	4.88	4.59	4.36			
	Capacity	kW	27.0	31.5	37.5	54.0	58.5	63.0	69.0			
Heating ²	Power input	kW	4.45	5.83	7.80	8.90	10.3	11.66	13.63			
	COP		6.07	5.40	4.81	6.07	5.69	5.40	5.06			
Connectable	Total capacity				50~13	0% of outdoor uni	capacity					
indoor unit	Max. quantity		13	16	19	23	29	33	36			
Туре						DC inverter						
Compressor	Quantity		1	1	1	2	2	2	2			
	Туре		Double-pipe heat exchanger									
Heat exchanger	Rated water flow volume	m³/h	5.4	6	7.2	5.4×2	5.4+6	6×2	6+7.2			
Refrigerant	Туре					R410A						
nemgerant	Factory charging	kg	2	2	2	2×2	2×2	2×2	2×2			
Pipe	Liquid pipe	mm	Φ12.7	Φ12.7	Φ15.9	Φ12.7	Φ15.9	Φ15.9	Φ15.9			
connections ³	Gas pipe	mm	Φ25.4	Φ25.4	ФЗ1.8	Ф28.6	Ф28.6	Ф28.6	Ф28.6			
CONNECTIONS	Oil balance pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35			
Sound pressure	level ⁴	dB(A)	51	52	52	53	53	53	54			
Net dimension (W×H×D)	mm		780×1000×550			(780×100)0×550)×2				
Packing size (W:	acking size (W×H×D) mr			845×1170×600			(845×117	70×600)×2				
Net weight		kg	146	146	147	146×2	146×2	146×2	146+147			
Gross weight		kg	155	155	156	155×2	155×2	155×2	155+156			
Operating temp	erature range	°C	Water inlet temp: 7-45; ambient temp:: 0-40									

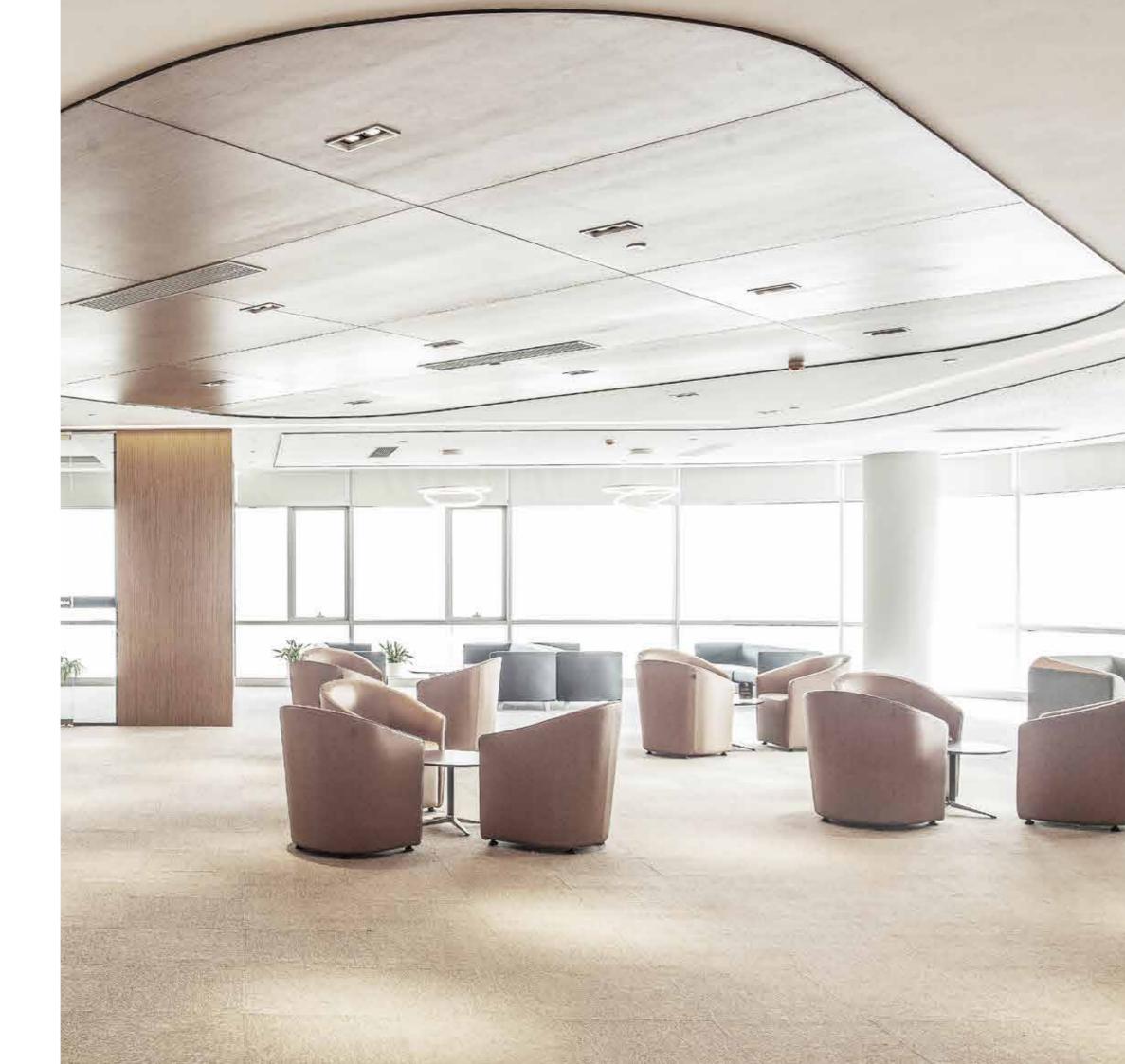
		24	26	28	30	32	34	36
V 2N FOLL-)		MDVS-	MDVS-	MDVS-	MDVS-	MDVS-	MDVS-	MDVS-
V, 3IN, SUHZ)		670(24)W/DRN1	784(26)W/DRN1	812(28)W/DRN1	840(30)W/DRN1	895(32)W/DRN1	950(34)W/DRN1	1005(36)W/DRN
V 2N 60H-)		MDVS-	MDVS-	MDVS-	MDVS-	MDVS-	MDVS-	MDVS-
V, SIN, OUFIZ)		670(24)W/DCN1	784(26)W/DCN1	812(28)W/DCN1	840(30)W/DCN1	895(32)W/DCN1	950(34)W/DCN1	1005(36)W/DCN
		12HP×2	8HP×2+10HP	8HP+10HP×2	10HP×3	10HP×2+12HP	10HP+12HP×2	12HP×3
Capacity	kW	67.0	78.4	81.2	84.0	89.5	95.0	100.5
Power input	kW	16.0	15.7	17.0	18.3	20.2	22.1	24.0
EER		4.19	4.99	4.78	4.59	4.43	4.30	4.19
Capacity	kW	75.0	85.5	90.0	94.5	100.5	106.5	112.5
Power input	kW	15.6	14.73	16.11	17.49	19.46	21.43	23.4
COP onnectable Total capacity			5.80	5.59	5.40	5.16	4.97	4.81
Total capacity				50~130)% of outdoor unit	capacity		
Max. quantity		39	43	46	50	53	56	59
Compressor Type					DC inverter			
Quantity		2	3	3	3	3	3	3
Туре				Dou	ble-pipe heat excl	nanger		
Rated water flow volume	m³/h	7.2×2	5.4×2+6	5.4+6×2	6×3	6×2+7.2	6+7.2×2	7.2×3
Туре					R410A			
Factory charging	kg	2×2	2×3	2×3	2×3	2×3	2×3	2×3
Liquid pipe	mm	Φ15.9	Φ19.1	Φ19.1	Φ19.1	Φ19.1	Φ19.1	Φ19.1
Gas pipe	mm	Φ28.6	Ф31.8	Ф31.8	Ф31.8	Φ31.8	Ф38.1	Ф38.1
Oil balance pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
level ⁴	dB(A)	54	55	55	56	57	57	58
W×H×D)	mm	(780×1000×550)×2			(780×10	00×550)×3		
(H×D)	mm	1 (845×1170×600)×2 (845×1170×600)×3						
	kg	147×2	146×3	146×3	146×3	146×2+147	146+147×2	147×3
	kg	156×2	155×3	155×3	155×3	155×2+156	155+156×2	156×3
erature range	°C			Water inlet t	emp.: 7-45; ambie	nt temp.: 0-40		1
	Power input EER Capacity Power input COP Total capacity Max. quantity Type Quantity Type Rated water flow volume Type Factory charging Liquid pipe Gas pipe Oil balance pipe evel ⁴ W×H×D) (H×D)	V, 3N, 60Hz) Capacity kW Power input kW EER Capacity kW Power input kW COP Total capacity Max. quantity Type Quantity Type Rated water flow volume m³/h Type Factory charging kg Liquid pipe mm Gas pipe mm Gas pipe mm Oil balance pipe mm Qui balance pipe mm (HxD) mm kg	MDVS- 670(24)W/DRN1 V, 3N, 60Hz) MDVS- 670(24)W/DCN1 12HPx2 670(24)W/DCN1 12HPx2 670(24)W/DCN1 12HPx2 670(24)W/DCN1 12HPx2 670(24)W/DCN1 Power input kW Ferr 4.19 Capacity kW Power input kW Capacity kW Power input kW Max, quantity 39 Type Quantity Quantity 2 Type Rated water flow volume Factory charging kg Liquid pipe mm Oil balance pipe mm WathxD) mm Kg 147x2 kg 147x2	MDVS- 670(24)W/DRN1 MDVS- 784(26)W/DRN1 V, 3N, 60Hz) MDVS- 670(24)W/DCN1 MDVS- 784(26)W/DCN1 12HPx2 8HPx2+10HP Capacity kW 67.0 78.4 Power input kW 67.0 78.4 Power input kW 10.0 15.7 EER 4.19 4.99 Capacity kW 75.0 85.5 Power input kW 15.6 14.73 COP 4.81 5.80 50 Total capacity MDVS- 39 43 Type	MDVS- 670(24)W/DRN1 MDVS- 784(26)W/DRN1 MDVS- 812(28)W/DRN1 V, 3N, 60Hz) MDVS- 670(24)W/DCN1 MDVS- 784(26)W/DCN1 MDVS- 812(28)W/DCN1 12HP×2 8HP×2+10HP 8HP+10HP×2 Capacity kW 67.0 78.4 81.2 Power input kW 16.0 15.7 17.0 EER 4.19 4.99 4.78 Capacity kW 75.0 85.5 90.0 Power input kW 15.6 14.73 16.11 COP 4.81 5.80 5.59 50-130 Total capacity KW 7.2×2 5.4×2+6 5.4+6×2 Type 2 3 3 Type Dou Dou Rated water flow volume m³/h 7.2×2 5.4×2+6 5.4+6×2 Type D19.1 D19.1 Gas pipe mm Ф15.9 Ф19.1 Ф19.1 Gas pipe mm 028.6 G31.8<	MDVS- 670(24)W/DRN1 MDVS- 784(26)W/DRN1 MDVS- 812(28)W/DRN1 MDVS- 840(30)W/DRN1 V, 3N, 60Hz) MDVS- 670(24)W/DCN1 MDVS- 784(26)W/DCN1 MDVS- 812(28)W/DCN1 MDVS- 840(30)W/DCN1 Capacity kW 67.0 78.4 81.2 840(30)W/DCN1 Capacity kW 67.0 78.4 81.2 840(30)W/DCN1 Power input kW 12HP×2 8HP×2+10HP 8HP+10HP×2 10HP×3 Capacity kW 67.0 78.4 81.2 84.0 Power input kW 16.0 15.7 17.0 18.3 EER 4.19 4.99 4.78 4.59 Capacity kW 15.6 14.73 16.11 17.49 COP 4.81 5.80 5.59 5.40 Total capacity 39 43 46 50 Type Dc inverter Dc inverter Dc inverter Quantity 2 3 3 3 Type Rated water flow volume <td< td=""><td>MDVS- 670(24)W/DRN1 MDVS- 784(26)W/DRN1 MDVS- 812(28)W/DRN1 MDVS- 840(30)W/DRN1 MDVS- 895(32)W/DRN1 v, 3N, 60Hz) MDVS- 670(24)W/DCN1 MDVS- 842(26)W/DCN1 MDVS- 812(28)W/DCN1 MDVS- 840(30)W/DCN1 MDVS- 895(32)W/DCN1 t 12HPx2 8HPx2+10HP 8HP+10HPx2 10HPx3 10HPx2+12HP Capacity kW 67.0 78.4 81.2 84.0 895 Power input kW 16.0 15.7 17.0 18.3 20.2 EER 4.19 4.99 4.78 4.59 4.43 Capacity kW 75.0 85.5 90.0 94.5 100.5 Power input kW 15.6 14.73 16.11 17.49 19.46 COP 4.81 5.80 5.59 5.40 5.16 Total capacity 39 43 46 50 53 Type Duble-pipe heat exchanger Duble-pipe heat exchanger 2 3 3 3 3 Rated water flow volume</td><td>MDVS- 670(24)W/DRN1 MDVS- 784(26)W/DRN1 MDVS- 812(28)W/DRN1 MDVS- 840(30)W/DRN1 MDVS- 895(32)W/DRN1 MDVS- 950(34)W/DRN1 V, 3N, 60Hz) MDVS- 670(24)W/DCN1 MDVS- 784(26)W/DCN1 MDVS- 840(30)W/DCN1 MDVS- 895(32)W/DCN1 MDVS- 950(34)W/DCN1 V, 3N, 60Hz) MDVS- 670(24)W/DCN1 784(26)W/DCN1 840(30)W/DCN1 895(32)W/DCN1 895(32)W/DCN1</td></td<>	MDVS- 670(24)W/DRN1 MDVS- 784(26)W/DRN1 MDVS- 812(28)W/DRN1 MDVS- 840(30)W/DRN1 MDVS- 895(32)W/DRN1 v, 3N, 60Hz) MDVS- 670(24)W/DCN1 MDVS- 842(26)W/DCN1 MDVS- 812(28)W/DCN1 MDVS- 840(30)W/DCN1 MDVS- 895(32)W/DCN1 t 12HPx2 8HPx2+10HP 8HP+10HPx2 10HPx3 10HPx2+12HP Capacity kW 67.0 78.4 81.2 84.0 895 Power input kW 16.0 15.7 17.0 18.3 20.2 EER 4.19 4.99 4.78 4.59 4.43 Capacity kW 75.0 85.5 90.0 94.5 100.5 Power input kW 15.6 14.73 16.11 17.49 19.46 COP 4.81 5.80 5.59 5.40 5.16 Total capacity 39 43 46 50 53 Type Duble-pipe heat exchanger Duble-pipe heat exchanger 2 3 3 3 3 Rated water flow volume	MDVS- 670(24)W/DRN1 MDVS- 784(26)W/DRN1 MDVS- 812(28)W/DRN1 MDVS- 840(30)W/DRN1 MDVS- 895(32)W/DRN1 MDVS- 950(34)W/DRN1 V, 3N, 60Hz) MDVS- 670(24)W/DCN1 MDVS- 784(26)W/DCN1 MDVS- 840(30)W/DCN1 MDVS- 895(32)W/DCN1 MDVS- 950(34)W/DCN1 V, 3N, 60Hz) MDVS- 670(24)W/DCN1 784(26)W/DCN1 840(30)W/DCN1 895(32)W/DCN1 895(32)W/DCN1

1. Indoor temperature 27°C DB, 19°C WB; main unit ambient temperature 35°C DB; water inlet temperature 30°C; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; main unit ambient temperature 7°C DB, 6°C WB; water inlet temperature 20°C; equivalent refrigerant piping length 7.5m with zero level difference. 3. For single units, diameters given are those of the unit's stop valves. For combined units, diameters given are those for the pipe connecting the main 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 Engineering Data Book for connection piping diameters.
 Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.

Outdoor Units

INDOOR UNITS

One-way Cassette Two-way Cassette Compact Four-way Cassette Four-way Cassette Medium Static Pressure Duct High Static Pressure Duct Wall Mounted Ceiling & Floor Floor Standing Fresh Air Processing Unit DX Modular Air Handling Unit Heat Recovery Ventilator Puro-Air Kit



Inoor Unit Lineup

Normal VRF Indoor Units

kW		1.5	1.8	2.2	2.8	3.6	4.5	5.6	7.1	8	8.0	9.0	10.0	11.2	12.5	14.0	16.0	20.0	25.0	28.0	40.0	45.0	56.0
Btu/h		5k	6k	7k	9k	12k	15k	19k	24k	2	27k	30k	34k	38k	42k	48k	55k	68k	85k	96k	136k	154k	191k
One-way Cassette	-		•	•	•	•	•	•	•														
Two-way Cassette				•	•	•	•	•	•														
Four-way Cassette					•	•	•	•	•		•	•	•	•		•	•						
Compact Four-way Cassette	-		•	•	•	•	•																
Medium Static Pressure Duct				•	•	•	•	•	•		•	•		•		•	•						
High Static Pressure Duct									•		•	•		•		•	•	•	•	•	•	•	•
Wall Mounted	6			•	•	•	•	•	•		•	•											
Ceiling & Floor						•	•	•	•		•	•		•		•	•						
Floor Standing - Concealed				•	•	•	•	•	•		•												
Floor Standing - Exposed	HISTORY .			•	•	•	•	•	•		•												
Fresh Air Processing Unit															•	•		•	•	•		•	•

● 2nd Gen. DC Indoor Units ● 2nd Gen. AC Indoor Units

Notes:

Fresh air processing unit is not available for V4+W. No controller is supplied inside the indoor unit package. Controllers must be purchased separately.

DX Modular Air Handling Unit

Airflow (m ³ /h)		1400	2400	2450	3000	4000	5000	6000	7000	7500	8000	10000	12000	14000	15000	18500	23500	28000	34500
Used for Return Air	11 28.28	•	•				•	•		•		•	•		•	•	•	•	•
Used for Fresh Air	1.1.1			•	•	•	•		•		•	•		•					

Notes:

The DX Modular Air Handling Unit should be used together with Midea DX AHU Control Box.

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Indoor Unit Functions

		Functions	One-way Cassette	Two-way Cassette	Compact Four-way Cassette	Four-way Cassette	Medium Static Pressure Duct	High Static Pressure Duct	Wall Mounted	Ceiling & Floor	Floor Standing	Fresh Air Processing Unit
	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	•	•	•	•	•	•	•	•	•	•
	Quiet operation	All indoor units are quiet operation	•	•	•	•	•	•	•	•	•	•
	Auto cooling-heating changeover ¹	Automatically selects cooling or heating mode to achieve the set temperature	•	•	•	•	•	•	•	•	•	•
Comfort	Digital display on/off	Indoor unit displays can be shut off at night, creating a better environment for rest	•	•	•	•	•	•	•	•	•	•
Connort	Buzzer sound on/off	The buzzer sound of the indoor unit can be turned off to create a quieter environment	•	•	•	•	•	•	•	•	•	•
	Heat stratification compensation	The heat stratification compensation function in HEAT mode obtains a value that more closely reflects the true temperature of the air conditioned space	•	•	•	•	•	•	•	•	•	•
	Two thermistors control	The indoor temperature can be checked using the thermistor in the remote controller as well as from the indoor unit	•	•	•	•	•	•	•	•	•	•
	0.5°C/1°C setting temperature adjustment	Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control	•	•	•	•	•	•	•	•	•	•
	Air filter	Removes airborne dust particles to ensure a steady supply of clean air	•	•	•	•	•	•	•	•	•	•
Health	Fresh air intake	A reserved outside air intake port allows outdoor air to be introduced directly into the unit	• (45-71)	•	(AC series)× (DC series)	•	•	×	×	×	×	•
	Dirty filters indicator signal	The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter	•	•	•	•	•	•	•	•	•	•
	Vertical swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution	5 steps setting+auto	5 steps setting+auto	5 steps setting+auto	5 steps setting+auto	×	×	5 steps setting+auto	5 steps setting+auto	×	×
	Horizontal swing	Possibility to select automatic horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution	Manually set fixed angle+auto (45-71)	×	×	×	×	×	×	Manually set fixed angle+auto	×	×
	Fan speed steps	3 or 7 fan speeds can be selected to optimize comfort levels	3+auto (AC series) 7+auto (DC series)		3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)	7+auto	3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)
Air flow	Individual louver control ²	Individual louver control via the wired remote controller makes it simple to fix the position of each flap individually	×	×	×	• (360° panel)	×	×	×	×	×	×
	Auto fan speed	Automatically controls rotation speed of fan depending on indoor load to achieve efficiency and comfort simultaneously	•	•	•	•	•	•	•	•	•	•
	Soft wind mode	Supply air against the ceiling to create windless environment	×	×	×	•	×	×	×	×	×	×
	Adjustable ESP	ESP can be adjusted over a wide range to ensure constant airflow	×	×	×	×	•	•	×	×	●(Concealed) ×(Exposed)	•
	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	•	•	•	•	•	٠	•	•	•	•
Remote control &	Wired remote control	Wired remote control to remotely control your indoor unit	•	•	•	•	•	•	•	•	•	•
timer	Group control	Up to 16 indoor units can be in a group control system	•	•	•	•	•	•	 (DC series) × (AC series) 	•		•
	Centralized control	Centralized control to control several indoor units from one single point	•	•	•	•	•	•		•	•	•
	°C/°F setting	Temperature unit °C or °F can be set according to your usage habits	•	•	•	•	•	•	•	•	•	•
	Energy saving ³	Using Infrared Sensor Controller automatically turns indoor units on or off upon sensing that the room is occupied or unoccupied, ensuring climate control whilst minimizing energy consumption	•	•	•	•	•	•	•	•	•	•
	Auto-restart	The unit restarts automatically at the original settings after power failure	•	•	•	•	•	•	•	•	•	•
	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies	•	•		•	•			•	•	•
Other	Drain pump	Facilitates condensation draining from the indoor unit		•		•	•	0	×	×	×	0
functions	Fan only	The air conditioner can be used as fan, blowing air without cooling or heating	•	•		•	•		•	•	•	
	· ·	Long-distance startup or shutoff the system	0	0	0	0	0	0	0	0		0
	Long-distance alarm function		0	0	0	0	0	0	0	0	0	0
		Multiple protections make the unit run more reliably		•								
	Multiple protections						_	•				
	Easy cleaning	The unit is easy cleaning thanks to the rational design	•	•	•	•	•	•	•	-		•

Note: • : equipped as standard; • : customization option; •: without this function 1. Please contact your local dealer for detailed information. 2. The indoor units must be customized before order so as to use 360° panel with individual louver control, inproper combinations may cause malfunction. 3. Energy saving function needs to be realized with the infrared sensor controller.

One-way Cassette



Meeting corner location requirements and at the same time maintaining the required visual appearance.

Key Features

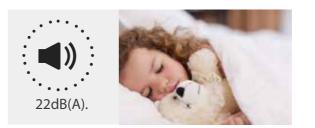
One-way Ca	ssette	DC Series	AC Series
	Quiet operation	•	•
Comfort	0.5°C/1°C setting temperature adjustment	•	•
Comion	Digital display on/off	•	•
	Buzzer sound on/off	•	•
	Fresh air intake	• (45 to 71)	• (45 to 71)
Health	Dirty filters indicator signal	•	•
A	Multiple fan speeds	7+auto	3+auto
Air flow	Multiple steps vertical swing	5+auto	5+auto
Easy	Minimized height	•	•
installation	High-lift drain pump	Rated head: 1200mm Raise height: 750mm	Rated head: 1200mm Raise height: 750mm

Note: •: equipped as standard

COMFORT

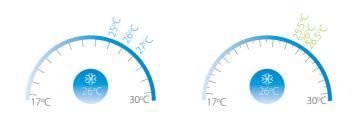
Quiet Operation

The One-way Cassette's optimized, low resistance air outlets reduce noise levels to as low as 22dB(A).



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.



Digital Display On/Off

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



Buzzer Sound On/Off

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



HEALTH

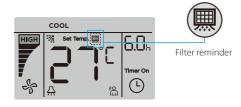
Fresh Air Intake

A reserved outside air intake port allows outdoor fresh air to be introduced directly into the unit, negating the need for a separate ventilation system.



Dirty Filters Indicator Signal

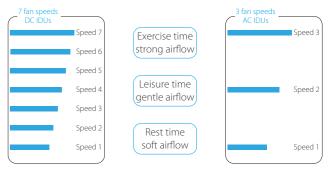
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

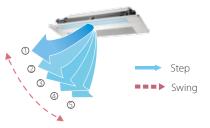
Multiple Fan Speeds

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



Multiple Steps Vertical Swing

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

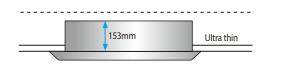


Indoor Units

EASY INSTALLATION

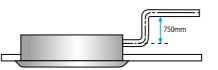
Easy Installation

The slim, compact design make the One-way Cassette ideal for interiors with limited ceiling space. Models 18 to 36 are just 153mm high whilst models 45 to 71 are 189mm high.





A drain pump with a 750mm raise height is fitted as standard, simplifying installation of the drain piping.



Specifications - DC Series

Model			MI2-18Q1DHN1	MI2-22Q1DHN1	MI2-28Q1DHN1	MI2-36Q1DHN1				
Power supply				1-phase, 220-2	240V, 50/60Hz					
	Capacity	kW	1.8	2.2	2.8	3.6				
Cooling ¹	Capacity	kBtu/h	6.1	7.5	9.6	12.3				
	Power input	W	25	25	30	30				
	Capacity	kW	2.2	2.6	3.2	4.0				
Heating ²	Capacity	kBtu/h	7.5	8.9	10.9	13.6				
	Power input	W	25	25	30	30				
Airflow rate ³		m³/h	380/355/330/30	0/286/263/240	460/440/410/38	30/355/330/300				
Sound pressure lev	/el ⁴	dB(A)	30/28/27/20	6/25/24/22	37/36/35/34/32/31/30	38/37/35/34/32/31/30				
	Net dimensions ⁵ (WxHxD)	mm	1054×153×425							
Indoor unit	Packed dimensions (WxHxD)	mm	1155×245×490							
	Net/Gross weight	kg	11.8/	/15.3	12.3	/15.8				
	Net dimensions (W×H×D)	mm		1180×	25×465					
Panel	Packed dimensions (W×H×D)	mm		1232×	107×517					
	Net/Gross weight	kg	3.5/5.2							
D:	Liquid/Gas pipe	mm	Φ6.35/Φ12.7							
Pipe connections	Drain pipe	mm		OD	Φ25					

Model			MI2-45Q1DHN1	MI2-56Q1DHN1	MI2-71Q1DHN1				
Power supply				1-phase, 220-240V, 50/60Hz					
	Capacity	kW	4.5	5.6	7.1				
Cooling ¹		kBtu/h	15.4	19.1	24.2				
	Power input	W	40	48	60				
	Capacity	kW	5.0	6.3	8.0				
Heating ²	Capacity	kBtu/h	17.1	21.5	27.3				
	Power input	W	40	48	60				
Airflow rate ³		m³/h	693/662/638/600/556/510/476	792/763/728/688/643/589/549	933/873/815/749/689/637/592				
Sound pressure lev	/el ⁴	dB(A)	39/37/36/35/34/32/31	41/39/38/37/36/35/33	43/41/40/39/37/36/35				
	Net dimensions⁵ (WxHxD)	mm		1275×189×450					
Indoor unit	Packed dimensions (WxHxD)	mm		1370×295×505					
	Net/Gross weight	kg	16.1/20.4	16.4/20.7	17.6/22.4				
	Net dimensions (W×H×D)	mm		1350×25×505					
Panel	Packed dimensions (W×H×D)	mm		1410×95×560					
	Net/Gross weight	kg		4/5.4					
Liquid/Gas pipe		mm	Φ6.35/Φ12.7	/Ф15.9					
Pipe connections	Drain pipe	mm	OD Φ25						

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

3. Each model's 7 airflow rate options are listed in order, from highest to lowest.

4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.

Specifications - AC Series

50Hz Series

Model			MDV-D18Q1/N1-D(B)	MDV-D22Q1/N1-D(B)	MDV-D28Q1/N1-D(B)	MDV-D36Q1/N1-D(B)	MDV-D45Q1/N1-D(B)	MDV-D56Q1/N1-D(B)	MDV-D71Q1/N1-D(B	
Power supply					1	phase, 220-240V, 5	0Hz			
Cooling ¹	Capacity	kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1	
cooling	Input	W	41	41	41	41	48	48	60	
Heating ²	Capacity	kW	2.2	2.6	3.2	4	5	6.3	8	
Heating	Input	W	41	41	41	41	48	48	60	
Indoor fan motor	Туре					AC				
	Quantity					1				
Airflow rate (H/M/L) m ³ /h		523/404/275	523/404/275	573/456/315	573/456/315	693/600/476	792/688/549	933/749/592		
Sound pressure level (H/M/L) ³ dB(A)		37/34/30	37/34/30	39/37/34	39/37/34	41/39/35	42/40/36	44/41/37		
Refrigerant type			R410A							
	Dimension ⁴ (WxHxD)	mm		1054	×153×425		1275×189×450			
Indoor unit	Packing (WxHxD)	mm		1155	×245×490		1370×295×505			
	Net/Gross weight	kg	12	.5/16	13/16.5		18.5/22.8	18.8/23.1	19.5/23.8	
	Dimension (WxHxD)	mm		1180)×25×465			1350×25×505		
Panel	Packing (WxHxD)	mm		1232	×107×517			1410×95×560		
	Net/Gross weight	kg		3.	5/5.2			4/5.4		
Pipe	Liquid pipe	mm			Φ6.35			Φ9.53		
connections	Gas pipe	mm			Φ12.7			Φ15.9		
CONTRECTIONS	Drain pipe	mm				OD Φ25				

Specifications - AC Series

60Hz Series

Model			MDV-D18Q1/VN1-D(B)	MDV-D22Q1/VN1-D(B)	MDV-D28Q1/VN1-D(B)	MDV-D36Q1/VN1-D(B)	MDV-D45Q1/VN1-D(B)	MDV-D56Q1/VN1-D(B)	MDV-D71Q1/VN1-D(B		
Power supply					1	phase, 220-240V, 6	0Hz				
Cooling ²	Capacity	kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1		
Cooling-	Input	W	41	41	41	41	54	60	75		
Heating ²	Capacity	kW	2.2	2.6	3.2	4	5	6.3	8		
rieating	Input	W	41	41	41	41	54	60	75		
Indoor fan	Туре					AC					
motor	Quantity										
Refrigerant type				R410A							
Airflow rate (H/M/L) m ³ /h			523/	404/275	573/	456/315	693/600/476	792/688/549	933/749/592		
Sound pressure l	evel (H/M/L) ³	dB(A)	37/34/30	37/34/30	39/37/34	39/37/34	41/39/35	42/40/36	44/41/37		
	Dimension ⁴ (WxHxD)	mm		1054	×153×425		1275×189×450				
Indoor unit	Packing (WxHxD)	mm		1155	×245×490		1370×295×505				
	Net/Gross weight	kg	12	.5/16	13/16.5		18.5/22.8	18.8/23.1	19.5/23.8		
	Dimension (WxHxD)	mm		1180)×25×465			1350×25×505			
Panel	Packing (WxHxD)	mm		1232	×107×517			1410×95×560			
	Net/Gross weight	kg		3.	5/5.2			4/5.4			
Dima	Liquid pipe	mm			Φ6.35			Φ	9.53		
Pipe	Gas pipe	mm			Φ12.7			Ф15.9			
connections	Drain pipe	mm				OD Φ25					

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

3. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.

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



Compact and lightweight two-way airflow, perfect for limited ceiling space applications.

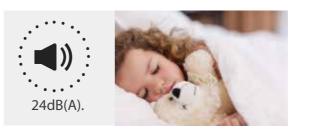
Key Features

Two-way Cassette	e	DC Series	AC Series
	Quiet operation	•	•
Confect	0.5°C/1°C setting temperature adjustment	•	•
Comfort	Digital display on/off	•	•
	Buzzer sound on/off	•	•
	Fresh air intake	•	•
Health	Dirty filters indicator signal	•	•
A Q .	Multiple fan speeds	7+auto	3+auto
Air flow	Multiple steps vertical swing	5+auto	5+auto
– • • – •	Minimized height	•	•
Easy installation	High-lift drain pump	Rated head: 1200mm Raise height: 750mm	Rated head: 1200mm Raise height: 750mm

COMFORT

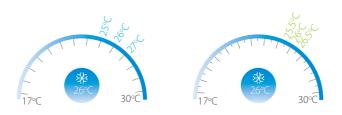
Quiet Operation

The Two-way Cassette's optimized, low resistance air outlets reduce noise levels to as low as 24dB(A).



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.



Digital Display On/Off

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



Buzzer Sound On/Off

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



Note: •: equipped as standard

HEALTH

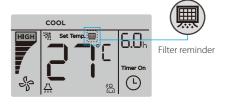
Fresh Air Intake

A reserved outside air intake port allows outdoor fresh air to be introduced directly into the unit, negating the need for a separate ventilation system.



Dirty Filters Indicator Signal

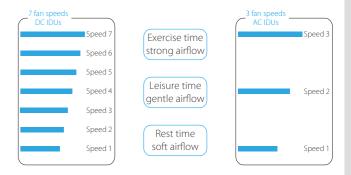
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

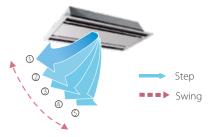
Multiple Fan Speeds

The DC Series supplies 7 indoor fan speeds and AC Series supplies 3 indoor fan speeds to meet the needs of different indoor conditions.



Multiple Steps Vertical Swing

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



EASY INSTALLATION

High Airflow

A high airflow rate ensures even airflow and temperature throughout the room, even in high ceiling installations.



Specifications - DC Series

Model MI2-22Q2DHN1 MI2-28Q2DHN1 MI2-36Q2DHN1 Power supply 1-phase, 220-240V, 50/60Hz kW 2.2 2.8 3.6 Capacity kBtu/h 7.5 12.3 Cooling¹ 9.6 W 35 40 40 Power input kW 2.6 3.2 4.0 Capacity kBtu/h 8.9 10.9 13.6 Heating² W 35 40 40 Power input 654/612/571/530/488/449/410 654/612/571/530/488/449/410 725/679/641/591/554/509/458 Airflow rate³ m³/h 33/31/30/29/27/25/24 33/31/30/29/27/25/24 dB(A) 35/33/32/30/29/27/25 Sound pressure level⁴ 1172×299×591 mm Net dimensions⁵ (WxHxD) Indoor unit 1355×400×675 Packed dimensions (WxHxD) mm 33.5/42.0 Net/Gross weight kg 1430×53×680 Net dimensions (W×H×D) mm 1525×130×765 Panel Packed dimensions (WxHxD) mm 10.5/15 Net/Gross weight kg Liquid/Gas pipe Φ6.35/Φ12.2 mm Pipe connections mm Drain pipe MI2-45Q2DHN1 MI2-71Q2DHN1 Model MI2-56O2DHN1 Power supply 1-phase, 220-240V, 50/60Hz kW 4.5 5.6 71 Capacity kBtu/h 15.4 19.1 24.2 Coolina¹ W 50 69 98 Power input kW 5.0 8.0 6.3 Capacity kBtu/h 17.1 21.5 27.3 Heating² W 50 69 Power input 98 850/792/731/670/631/592/550 980/925/855/800/755/702/670 1200/1115/1068/1000/921/808/770 Airflow rate³ m³/h 37/36/35/34/32/31/30 44/42/41/40/38/36/34 Sound pressure level⁴ dB(A) 39/37/36/35/33/31/30 Net dimensions⁵ (WxHxD) mm 1172×299×591 Indoor unit Packed dimensions (WxHxD) mm 1355×400×675 Net/Gross weight 35/43.5 kg Net dimensions (W×H×D) mm 1430×53×680 Panel Packed dimensions (W×H×D) mm 1525×130×765 Net/Gross weight kg 10.5/15 Φ9.53/Φ15.9 Liquid/Gas pipe mm Φ6.35/Φ12.7

Notes

Pipe connections

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

mm

2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Each model's 7 airflow rate options are listed in order, from highest to lowest.

Drain pipe

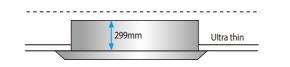
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).

Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber

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

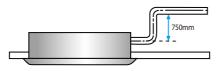
Easy Installation

The slim, compact design make the Two-way Cassette ideal for interiors with limited ceiling space.



High-lift Drain Pump

A drain pump with a 750mm raise height is fitted as standard, simplifying installation of the drain piping.



Specifications - AC Series

50Hz Series

Model			MDV-D22Q2/N1(B)	MDV-D28Q2/N1(B)	MDV-D36Q2/N1(B)	MDV-D45Q2/N1(B)	MDV-D56Q2/N1(B)	MDV-D71Q2/N1(E			
Power supply					1 phase,	220-240V, 50Hz					
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1			
Cooling	Input	W	57	57	60	92	108	154			
Heating ²	Capacity	kW	2.6	3.2	4	5	6.3	8			
riedting	Input	W	57	57	60	92	108	154			
Indoor fan motor	Туре				A	AC					
Indoor ian motor	Quantity		1								
Refrigerant type				R410A							
Airflow rate (H/M/L) m ³ /h			654/530/410	654/530/410	725/591/458	850/670/550	980/800/670	1200/1000/770			
Sound pressure leve	l (H/M/L) ³	dB(A)	33/29/24	36/32/29	36/32/29	39/35/30	39/35/30	44/40/34			
	Dimension ⁴ (WxHxD)	mm			1172>	<299×591					
Indoor unit	Packing (WxHxD)	mm	1355×400×675								
	Net/Gross weight	kg		34/42.5			36/44.5				
	Dimension (WxHxD)	mm			1430	×53×680					
Panel	Packing (WxHxD)	mm			1525>	<130×765					
	Net/Gross weight	kg			10	.5/15					
Pipe	Liquid pipe	mm		Φ	6.35		Φ9.53				
	Gas pipe	mm		Φ	12.7		Ф15.9				
onnections	Drain pipe	mm			OE) Ф32					

Specifications - AC Series

60Hz Series

Model			MDV-D22Q2/VN1(B)	MDV-D28Q2/VN1(B)	MDV-D36Q2/VN1(B)	MDV-D45Q2/VN1(B)	MDV-D56Q2/VN1(B)	MDV-D71Q2/VN1(B)		
Power supply					1 phase, 1	220-240V, 60Hz				
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1		
cooling.	Input	W	78	78	83	115	133	205		
Lloatin a ²	Capacity	kW	2.6	3.2	4	5	6.3	8		
Heating ²	Input	W	78	78	83	115	133	205		
Indoor fan	Туре			AC						
motor	Quantity					1				
Refrigerant type			R410A							
Airflow rate (H/M/L) m ³ /h			674/509/381	674/509/381	740/577/435	878/689/561	941/776/654	1236/1110/864		
Sound pressure le	evel (H/M/L) ³	dB(A)	33/29/24	36/32/29	36/32/29	39/35/30	39/35/30	44/40/34		
	Dimension ⁴ (WxHxD)	mm	1172×299×591							
Indoor unit	Packing (WxHxD)	mm			1355>	<400×675				
	Net/Gross weight	kg		34/42.5			36/44.5			
	Dimension (WxHxD)	mm			1430	×53×680				
Panel	Packing (WxHxD)	mm			1525>	<130×765				
	Net/Gross weight	kg			10	.5/15				
Dipo	Liquid pipe	mm		Φ	6.35		Φ	9.53		
Pipe connections	Gas pipe	mm		Φ	12.7		Φ	15.9		
connections	Drain pipe	mm			OD	Φ32				
Notes:										

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber

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

Compact Four-way Cassette



Compact design allows installation in shallow ceilings.

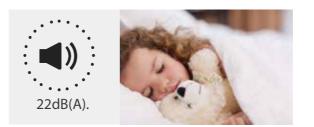
Key Features

Compact Four-way	Cassette	DC Series	AC Series
	Quiet operation	•	•
Constant	0.5°C/1°C setting temperature adjustment	•	•
Comfort	Digital display on/off	•	•
	Buzzer sound on/off	•	•
	Fresh air intake	×	•
Health	Dirty filters indicator signal	×	•
	360° airflow	•	•
Air flow	Multiple fan speeds	7+auto	3+auto
	Multiple steps vertical swing	5+auto	5+auto
	Compact size	•	•
Easy installation	High-lift drain pump	Rated head: 1000mm Raise height: 500mm	Rated head: 1000mm Raise height: 500mm

COMFORT

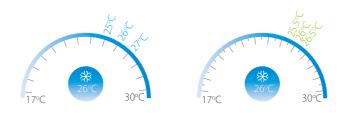
Quiet Operation

The Compact Four-way Cassette's optimized, low resistance air outlets reduce noise levels to as low as 22dB(A).



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.



Digital Display On/Off

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



Buzzer Sound On/Off

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



Note: •: equipped as standard; x: without this function

HEALTH

Fresh Air Intake

A reserved outside air intake port allows outdoor fresh air to be introduced directly into the unit, negating the need for a separate ventilation system.



Dirty Filters Indicator Signal

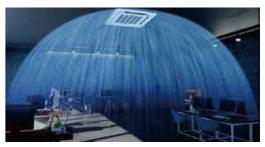
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

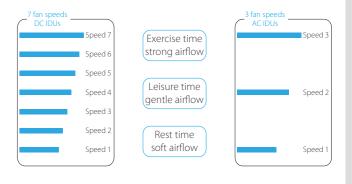
360° Airflow

The Compact Four-way Cassette's 360 ° air outlets provide strong airflow circulation to cool or heat every corner of a room and evenly control temperature.



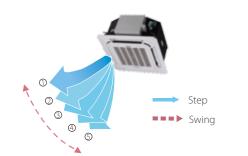
Multiple Fan Speeds

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



Multiple Steps Vertical Swing

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



EASY INSTALLATION

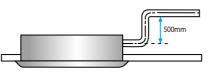
Compact Size

The slim and compact body has reduced the restriction enables the Compact Four-way Cassette successful installation in various ceiling spaces.



High-lift Drain Pump

A drain pump with a 500mm raise height is fitted as standard, simplifying installation of the drain piping.



Specifications - DC Series

Model			MI2-22Q4CDHN1	MI2-28Q4CDHN1		
Power supply			1-phase, 22	20-240V, 50/60Hz		
	Capacity	kW	2.2	2.8		
Cooling ¹	Capacity	kBtu/h	7.5	9.6		
	Power input	W	35	35		
	Capacity	kW	2.4	3.2		
Heating ²	Capacity	kBtu/h	8.2	10.9		
	Power input	W	35	35		
Airflow rate ³		m³/h	414/380/345	/313/288/268/238		
Sound pressure lev	rel ⁴	dB(A)	35/34/3	3/29/26/23/22		
	Net dimensions ⁵ (WxHxD)	mm	630	×260×570		
Indoor unit	Packed dimensions (WxHxD)	mm	700×345×660			
	Net/Gross weight	kg	18/23.8			
	Net dimensions (W×H×D)	mm	647	×50×647		
Panel	Packed dimensions (W×H×D)	mm	715×123×715			
	Net/Gross weight	kg		2.5/4.5		
Pipe connections	Liquid/Gas pipe	mm	Фб.	35/Ф12.7		
Pipe connections	Drain pipe	mm	(DΦ25		
M - 1-1						
Model Power supply			MI2-36Q4CDHN1	MI2-45Q4CDHN1		
Power supply		kW		20-240V, 50/60Hz		
Caslinal	Capacity		3.6	4.5		
Cooling ¹	Davianiani	kBtu/h W	12.3	15.4		
	Power input	kW	40	50		
llestice m ²	Capacity		4.0	5.0		
Heating ²	Davida in a t	kBtu/h W	13.6	17.1		
Airflow rate ³	Power input		40	50		
	14	m³/h dB(A)		/409/380/350/314 5/32/30/29/28		
Sound pressure lev				×260×570		
Indoor unit	Net dimensions ⁵ (WxHxD)	mm		×200×370 ×345×660		
indoor unit	Packed dimensions (WxHxD)	mm				
	Net/Gross weight	kg		9.2/25.0		
Demel	Net dimensions (W×H×D)	mm		×50×647		
Panel	Packed dimensions (W×H×D)	mm		x123x715		
	Net/Gross weight	kg		2.5/4.5		
Pipe connections	Liquid/Gas pipe Drain pipe	mm		35/Ф12.7 DD Ф25		
		mm				

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.

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

Specifications - AC Series 50Hz Series

Model			MDV-D15Q4/N1-A3(B)	MDV-D22Q4/N1-A3(B)	MDV-D28Q4/N1-A3(B)	MDV-D36Q4/N1-A3(B)	MDV-D45Q4/N1-A3(B)		
Power supply					1 phase, 220-240V, 50Hz				
Cooling ¹	Capacity	kW	1.5	2.2	2.8	3.6	4.5		
Cooling.	Input	W	36	50	50	56	56		
Heating ²	Capacity	kW	1.7	2.4	3.2	4	5		
Heating-	Input	W	W 36 50		50	56	56		
Indoor fan	Туре				AC				
motor	Quantity				1				
Refrigerant type			R410A						
Airflow rate (H/M/L) m ³ /h			400/283/208	414/313/238	414/313/238	521/409/314	521/409/314		
Sound pressure	level (H/M/L) ³	dB(A)	35/33/23	36/33/23	36/33/23	42/36/29	42/36/29		
	Dimension ⁴ (WxHxD)	mm		570×260×630					
Indoor unit	Packing (WxHxD)	mm			675×285×675				
	Net/Gross weight	kg		17/20		18.5/	21.5		
	Dimension (WxHxD)	mm			647×50×647				
Panel	Packing (WxHxD)	mm			715×123×715				
	Net/Gross weight	kg			2.5/4.5				
Pipe	Liquid pipe	mm			Φ6.35				
connections	Gas pipe	mm			Φ12.7				
CONTRECTIONS	Drain pipe	mm			ODФ25				

Specifications - AC Series

60Hz Series

Model			MDV-D22Q4/VN1-A3(B)	MDV-D28Q4/VN1-A3(B)	MDV-D36Q4/VN1-A3(B)	MDV-D45Q4/VN1-A3(B		
Power supply				1 phase, 22	0-240V, 60Hz			
Cooling ¹	Capacity	kW	2.2	2.8	3.6	45		
cooling	Input	W	5	50	6	50		
Heating ²	Capacity	kW	2.4	3.2	4	5		
neating	Input	W	50		6	60		
Indoor fan	Туре			AC				
motor	Quantity				1			
Refrigerant type				R4	410A			
Airflow rate (H/N	//L)	m³/h	397/292/215	408/310/231	496/359/263	496/359/263		
Sound pressure	level (H/M/L) ³	dB(A)	36/3	33/23	42/3	36/29		
	Dimension ⁴ (WxHxD)	mm	570×260×630					
ndoor unit	Packing (WxHxD)	mm	675×285×675					
	Net/Gross weight	kg	17.4	/20.4	18.8/21.8			
	Dimension (WxHxD)	mm		647×	50×647			
Panel	Packing (WxHxD)	mm		715×1	123×715			
	Net/Gross weight	kg		2.1	5/4.5			
Pipe	Liquid pipe	mm		Φ	6.35			
connections	Gas pipe	mm		Φ	12.7			
connections	Drain pipe	mm		O	Φ25			

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

3. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.

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

Four-way Cassette



360° airflow for immediate, equal distribution of wider-angle cooling and heating, idea for standard ceilings.

Key Features

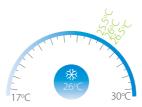
Four-way Cassette		DC Series	AC Series
	Quiet operation	•	•
Comfort	0.5°C/1°C setting temperature adjustment	•	•
connort	Digital display on/off	•	•
	Buzzer sound on/off	•	•
Health	Air filter	• (G3-class) (28-140)	•
	Fresh air intake	•	•
	Dirty filters indicator signal	•	•
	360° airflow	•	•
Air flow	Individual louver control	0	0
	Soft wind	•	•
	Multiple fan speeds	7+auto	3+auto
	Multiple steps vertical swing	5+auto	5+auto
Easy installation	Compact size	•	•
	High ceiling installation	•	•
	High-lift drain pump	Rated head: 1200mm Raise height: 750mm	Rated head: 1200mm Raise height: 750mm

COMFORT

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.





Digital Display On/Off

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



Buzzer Sound On/Off

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



•: equipped as standard; •: customization option

Note:

HEALTH

Optional G3-class Air Filter

The DC Four-way Cassette supports 30Pa external static pressure for the G3-class filter installation. Filtering effect of the G3-class filter reaches up to 80%-90% against coarse dust (particle size > 10 μ m), creating a cleaner living environment.



The optional filter comply with EN779:2012 Note: This function is available for 360° panel only.

Ionizer Sterilization

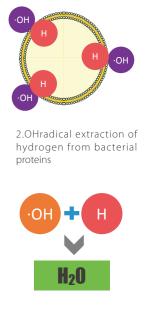
The powerful lonizer protects you from bad odors and harmful bacteria. The circulating sterilization rate is over 96%.



1.Negative ions combine with water molecules to form OH radicals



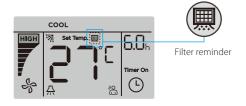
3.Components of bacterial tissues are destroyed and become ineffective (realize sterilization)



4. OH radicals eventually reduce to natural water molecules (pollution-free)

Dirty Filters Indicator Signal

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

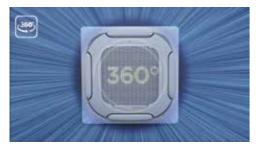


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AIR FLOW

360° Airflow

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



Individual louver control*

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



*The indoor units must be customized before order so as to use 360° panel with individual louver control, inproper combinations may cause malfunction

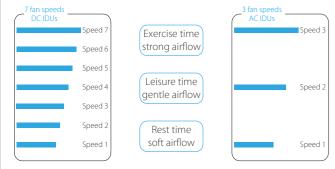
Soft Wind Mode

In soft wind mode, supply air against the ceiling to create windless environment, more comfort.



Multiple Fan Speeds

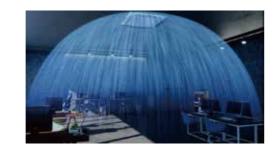
The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



EASY INSTALLATION

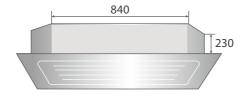
High Ceiling Installation

The Four-way Cassette reserves a super high fan speed for high ceiling installation, it can provide power full cooling and heating up to 4.2m in height from floor.



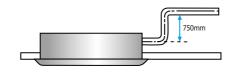
Compact Size

The height of models 28 to 80 are just 230mm whilst models 90 to 160 are 300mm, making the Four-way Cassette idea for standard ceilings.



High-lift Drain Pump

A drain pump with a 750mm raise height is fitted as standard, simplifying installation of the drain piping.



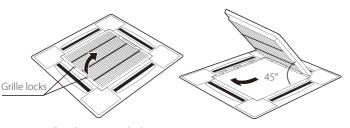
Sub Duct

Connecting a sub-duct enables an indoor unit to be used to also cool a smaller nearby space.



Convenient Panel Installation

The user-friendly design makes the panels very easy to install and simplifies field work.



Simply press two locks to open the grille

Easy to remove the installation cover plate

Specifications - DC Series

Model			MI2-28Q4DHN1	MI2-36Q4DHN1	MI2-45Q4DHN1	MI2-56Q4DHN1	MI2-71Q4DHN1		
Power supply				1	phase, 220-240V, 50/60H	Z			
	Caracity	kW	2.8	3.6	4.5	5.6	7.1		
Cooling ¹	Capacity	kBtu/h	9.6	12.3	15.4	19.1	24.2		
	Power input	W	40	45	50	60	70		
	Caracity	kW	3.2	4.0	5.0	6.3	8.0		
Heating ²	Capacity	kBtu/h	10.9	13.6	17.1	21.5	27.3		
	Power input	W	40	45	50	60	70		
Airflow rate ³		m³/h	801/751/711/658/ 637/611/542	801/751/711/658/ 637/611/542	893/866/804/744/ 714/698/635	893/866/804/744/ 714/698/635	977/937/864/800 778/738/671		
Sound pressure lev	/el ⁴	dB(A)	32/31/30/28/28/26/23 35/34/31/31/30/28/26 35/35/34/31/3						
	Net dimensions ⁵ (WxHxD)	mm	840×230×840						
Indoor unit	Packed dimensions (WxHxD)	mm			955×260×955				
	Net/Gross weight	kg	21.3/25.8	21.3/25.8	23.2/27.6	23.2/27.6	23.2/27.6		
	Net dimensions (W×H×D)	mm			950×54.5×950				
Panel	Packed dimensions (W×H×D)	mm			1035×90×1035				
	Net/Gross weight	kg			5.5/8.2				
D:	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9		
Pipe connections	Drain pipe	mm			OD Φ32	OD \$			

Model			MI2-80Q4DHN1	MI2-90Q4DHN1	MI2-100Q4DHN1	MI2-112Q4DHN1	MI2-140Q4DHN1	MI2-160Q4DHN1	
Power supply					1 phase, 220	-240V, 50/60Hz	·		
	Capacity	kW	8.0	9.0	10.0	11.2	14.0	16.0	
Cooling ¹	Capacity	kBtu/h	27.3	30.7	34.1	38.2	47.8	54.5	
	Power input	W	96	100	150	160	170	170	
	Capacity	kW	9.0	10.0	11.0	12.5	16.0	18.0	
Heating ²	Capacity	kBtu/h	30.7	34.1	37.5	42.7	54.6	61.3	
	Power input	W	96	100	150	160	170	170	
Airflow rate ³ m ³ /h		m³/h	1203/1131/1064/ 977/912/840/774	1349/1294/1230/ 1201/1111/1029/970	1700/1600/1440/ 1250/1200/1150/1100	1700/1600/1440/ 1250/1200/1150/1100	1800/1650/1500/1300/ 1250/1200/1150	2100/1950/1800/1750/ 1600/1450/1350	
Sound pressure lev	/el ⁴	dB(A)	36/35/34/31/31/29/28	37/35/34/31/31/30/28	43/42/40/38/37/35/34	43/42/40/38/37/35/34	45/44/42/41/40/39/37	46/44/42/41/39/38/37	
	Net dimensions ⁵ (WxHxD)	mm	840×230×840	840×300×840				950×300×950	
Indoor unit	Packed dimensions (WxHxD)	mm	955×260×955		955×3	30×955		1050×335×1050	
	Net/Gross weight	kg	23.2/27.6		28.4	4/33.8	30.7/35.8	35.3/41.2	
	Net dimensions (W×H×D)	mm			950×5	4.5×950	1	1050×55.0×1050	
Panel	Packed dimensions (W×H×D)	mm			1035×	90×1035		1115×100×1115	
	Net/Gross weight	kg			5.5	5/8.2		7.4/9.7	
Dine en estimo	Liquid/Gas pipe	mm			Ф9.5	3/Ф15.9			
Pipe connections	Drain pipe	mm		OD \$32					
Notes:									

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Each model's 7 airflow rate options are listed in order, from highest to lowest.

4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).

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

Indoor Units

99

50Hz Series

Model			MDV-D28Q4/N1-E(B)	MDV-D36Q4/N1-E(B)	MDV-D45Q4/N1-E(B)	MDV-D56Q4/N1-E(B)	MDV-D71Q4/N1-E(B)		
Power supply					1 phase, 220-240V, 50H	z			
Cooling ¹	Capacity	kW	2.8	3.6	4.5	5.6	7.1		
cooling	Power input	W	80	80	88	88	88		
Heating ²	Capacity	kW	3.2	4	5	6.3	8		
neating-	Power input	W	80	80	88	88	88		
Indoor fan Type					AC	1			
motor	Quantity				1				
Refrigerant typ	be				R410A				
Airflow rate (H/M/L) m³/h			764/638//554	764/638//554	905/740//651	905/740//651	950/767//663		
Sound pressure	e level (H/M/L)³	dB(A)	32/31/30	32/31/30	36/34/33	36/34/33	38/36/35		
	Dimension ⁴ (WxHxD)	mm		1	840×230×840	1	1		
Indoor unit	Packing (WxHxD)	mm	955×260×955						
	Net/Gross weight	kg	21.	5/26.7		23.7/28.9			
	Dimension (WxHxD)	mm	950×50×950						
Panel	Packing (WxHxD)	mm	1035×89×1035						
	Net/Gross weight	kg			5.8/7.9				
	Liquid pipe	mm		Φ6.35		0	9.53		
Pipe connections	Gas pipe	mm		Φ12.7		Φ15.9			
	Drain pipe	mm	ODΦ32						
			1						
Model			MDV-D80Q4/N1-E(B)	MDV-D90Q4/N1-E(B)	MDV-D100Q4/N1-E(B)	MDV-D112Q4/N1-E(B)	MDV-D140Q4/N1-E(B		
Power supply					1 phase, 220-240V, 50H				
Cooling ¹	Capacity	kW	8	9	10	11.2	14		
	Power input	W	110	140	165	165	176		
Heating ²	Capacity	kW	9	10	11.1	12.5	16		
Heating	Power input	W	110	140	165	165	176		

1332/1129/908

43/39/38

28.7/34.1

AC

R410A

1651/1304/1127

45/42/40

28.7/34.1

950×50×950 1035×89×1035

5.8/7.9

Φ9.53

Φ15.9

ODΦ32

1651/1304/1127

45/42/40

28.7/34.1

840×300×840 955×330×955

1658/1335/1130

46/41/39

30.9/36.3

Notes:

Panel

Indoor fan motor

Refrigerant type

Indoor unit

Pipe connections

Airflow rate (H/M/L)

Sound pressure level (H/M/L)³

Type

Quantity

Dimension⁴ (WxHxD)

Packing (WxHxD)

Net/Gross weight

Packing (WxHxD)

Net/Gross weight

Liquid pipe

Gas pipe

Drain pipe

Dimension (WxHxD)

Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

1200/1021/789

42/39/37

840×230×840

955×260×955

23.7/28.9

m³/h

dB(A)

mm

mm

kg

mm

mm

kg

mm

mm

mm

3. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.

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

Specifications - AC Series

60Hz Series

Model			MDV-D28Q4/VN1-E(B)	MDV-D36Q4/VN1-E(B)	MDV-D45Q4/VN1-E(B)	MDV-D56Q4/VN1-E(B)	MDV-D71Q4/VN1-E(B)	MDV-D80Q4/VN1-E(B)				
Power supply					1 phase, 22	20-240V, 60Hz						
,	Capacity	kW	2.8	3.6	4.5	5.6	7.1	8				
Cooling ¹	Input	W	80	80	88	88	105	120				
	Capacity	kW	3.2	4	5	6.3	8	9				
Heating ²	Input	W	80	80	88	88	105	120				
Indoor fan	Туре				A	AC	1	I				
motor	Quantity					1						
Refrigerant type	e			R410A								
Airflow rate (H/I	/M/L)	m³/h	791/674/596	791/674/596	942/777/662	942/777/662	1235/1013/805	1235/1013/805				
Sound pressure	e level (H/M/L) ³	dB(A)	30/25/22	30/25/22	35/31/27	35/31/27	43/37/31	43/37/31				
Dimension ⁴ (WxHxD) mm						230×840	1	I				
Indoor unit	Packing (WxHxD)	mm		955×260×955								
	Net/Gross weight	kg	21.	.5/26.7		23.	.7/28.9					
	Dimension (WxHxD)	mm			950×	50×950						
Panel	Packing (WxHxD)	mm	1035×89×1035									
	Net/Gross weight	kg	5.8/7.9									
	Liquid pipe	mm		Φ6.35			Φ9.53					
Pipe connections	Gas pipe	mm		Ф12.7			Φ15.9					
	Drain pipe	mm			OD	Ф32						
				1 5(0)								
Model Power supply			MDV-D90Q4/VN	II-E(B) MDV	-D100Q4/VN1-E(B)	MDV-D112Q4/VI	IN I-E(B) MDV-	MDV-D140Q4/VN1-E(B)				
rower supply	Capacity	1444	9			220-240V, 60Hz		14				
Cooling ¹	Capacity	kW W	187		200	200		14 220				
	Input Capacity	kW	187		11.1	12.5	16					
Heating ²	Input	W	10		200	200		220				
Indoor for	Туре	v v	10/		200	AC	I	220				
Indoor fan motor	Quantity					1						
Refrigerant type			R410A									
Airflow rate (H/I		m³/h	1333/1158/9	157		/1219/1139	1	692/1243/1157				
Sound pressure		dB(A)	43/38/32		45	5/37/35		46/38/37				
	Dimension ⁴ (WxHxD)	mm		I	840>	×300×840	1					
Indoor unit	Packing (WxHxD)	mm			955>	×330×955						
	Net/Gross weight	kg			28.7/34.1			30.9/36.3				
	Dimension (WxHxD)	mm			950	x50×950	I					
Panel	Packing (WxHxD)	mm	1035×89×1035									
	Net/Gross weight	kg			5	5.8/7.9						
0.	Liquid pipe	mm			(Ф9.53						
Pipe connections	Gas pipe	mm			(Ф15.9						
	Drain pipe	mm			0	D						

Model							MDV D71044(N11 5/D)						
Model			MDV-D28Q4/VN1-E(B)	MDV-D36Q4/VN1-E(B)	MDV-D45Q4/VN1-E(B)	MDV-D56Q4/VN1-E(B) 0-240V, 60Hz	MDV-D71Q4/VN1-E(B)	MDV-D80Q4/VN1-E(B)					
Power supply								-					
Cooling ¹	Capacity	kW	2.8	3.6	4.5	5.6	7.1	8					
	Input	W	80	80	88	88	105	120					
Heating ²	Capacity	kW	3.2	4	5	6.3	8	9					
5	Input	W	80	80	88	88	105	120					
Indoor fan motor	Туре					C							
ΠΟΙΟΙ	Quantity												
Refrigerant typ			R410A										
Airflow rate (H/		m³/h	791/674/596	791/674/596	942/777/662	942/777/662	1235/1013/805	1235/1013/805					
Sound pressure level (H/M/L) ³ dB(A)			30/25/22	30/25/22	35/31/27	35/31/27	43/37/31	43/37/31					
	Dimension ⁴ (WxHxD)	mm			840×2	30×840							
ndoor unit	Packing (WxHxD)	mm		955×260×955									
	Net/Gross weight	kg	21.	5/26.7		23.	7/28.9						
	Dimension (WxHxD)	mm			950×5	50×950							
Panel	Packing (WxHxD)	mm		1035×89×1035									
	Net/Gross weight	kg			5.8	/7.9							
Liquid pipe mm				Φ6.35			Φ9.53						
Pipe connections	Gas pipe	mm		Φ12.7			Φ15.9						
	Drain pipe	mm			OD	Ф32							
Model			MDV-D90Q4/VN	1-E(B) MDV	-D100Q4/VN1-E(B)	MDV-D112Q4/VI	N1-E(B) MDV-	D140Q4/VN1-E(B)					
Power supply						220-240V, 60Hz							
	Capacity	kW	9 10			11.2		14					
Cooling ¹	Input	W	187		200	200		220					
	Capacity	kW	10		11.1	12.5		16					
Heating ²	Input	W	187		200	200		220					
ndoor fan	Туре	1				AC							
motor	Quantity					1							
Refrigerant typ	e				F	410A							
Airflow rate (H/	/M/L)	m³/h	1333/1158/9	57	1634/	1219/1139	1	692/1243/1157					
Sound pressure	e level (H/M/L) ³	dB(A)	43/38/32		45	/37/35		46/38/37					
	Dimension ⁴ (WxHxD)	mm		I	840>	<300×840	1						
Indoor unit	Packing (WxHxD)	mm			955>	<330×955							
	Net/Gross weight	kg			28.7/34.1			30.9/36.3					
	Dimension (WxHxD)	mm			950	950×50×950							
		mm			1035	×89×1035							
Panel	Packing (WxHxD)		5.8/7.9										
Panel	Packing (WxHxD) Net/Gross weight	kg											
	-				(D9.53							
Panel Pipe connections	Net/Gross weight	kg			(

Notes:

Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
 Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Medium Static Pressure Duct



Slim, compact design for limited space with duct distribution to the indoor space. **Key Features**

Medium Static P	ressure Duct	DC Series	AC Series		
	Quiet operation	•	•		
Comfort	0.5°C/1°C setting temperature adjustment	•	•		
Comion	Digital display on/off	•	•		
	Buzzer sound on/off	•	•		
	Air filter	(G3-class)	(G3-class)		
Health	Innovative puro-air kit	•	•		
	Fresh air intake	•	•		
	Dirty filters indicator signal	•	•		
Air flow	Adjustable ESP	10-steps	×		
All HOW	Multiple fan speeds	7+auto	3+auto		
	Compact size	•	•		
Easy installation	Stylish air discharge panel	(17 to 71)	○ (17 to 71)		
Easy installation	Flexible air inlet port installation	•	•		
	High-lift drain pump	Rated head: 1200mm Raise height: 750mm	Rated head: 1200mm Raise height: 750mm		

Note:

•: equipped as standard; o: customization option; ×: without this function

COMFORT

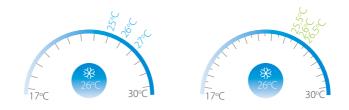
Quiet Operation

The Medium Static Pressure Duct indoor unit utilizes centrifugal blowers, reducing noise levels to as low as 23dB(A), and is an excellent choice for hotels and other noise-sensitive locations.



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.



Digital Display and Buzzer Sound On/Off

Indoor unit displays can be shut off at night and buzzer sound can be set off to not disturb the user, creating a better environment for rest.



HEALTH

Optional G3-class Air Filter

G3-class filter is optional for Medium Static Pressure Duct installation. Filtering effect of the G3-class filter reaches up to 80%-90% against coarse dust (particle size > $10 \ \mu$ m), creating a cleaner living environment.



The optional filter comply with EN779:2012

Innovative Puro-air Kit

Puro-Air kit, powered by OSRAM's UVC lamps, can effectively kill bacteria, viruses and odors of indoor air to provide a healthy and safe indoor environment. It is also innovatively designed so that it could prevent UV damage to the eyes, skin, and respiratory tract.

Puro-Air Kit Protectors of health and safety

m Germany -OSRAM quality UV light source



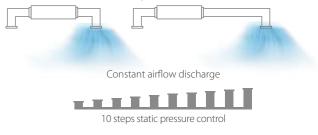


*The indoor unit needs to be customized in order to use the Puro-air Kit.

AIR FLOW

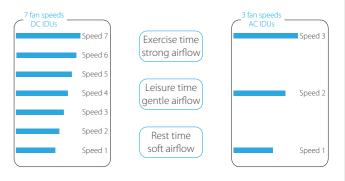
Static Pressure 10 Steps Control

Depending on the installation environment, Medium Static Pressure Duct is controlled the static pressure up to 10 steps via wired remote controller, for providing comfortable environment suitable for any environment.



Multiple Fan Speeds

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.

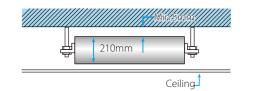


Indoor Units

EASY INSTALLATION

Compact Size

Models 22 to 71 are just 210mm high whilst models 80 to 112 are 270mm high and model 140 to 160 are 300mm high.



Stylish Air Discharge Panel

Stylish air discharge panel can be integrated with any decoration style (optional for models 17 to 71).



Specifications - DC Series Standard Series

Model			MI2-22T2DHM	V1		MI2-28T2DHN1	MI2	-36T2DHN1	
Power supply					1	phase, 220-240V, 50/60H;			
	Consta	kW	2.2			2.8	-	3.6	
Cooling ¹	Capacity	kBtu/h	7.5			9.6		12.3	
	Power input	W	40			40	45		
	Consti	kW	2.6		3.2			4.0	
Heating ²	Capacity	kBtu/h	8.2			10.9		13.6	
	Power input		40			40		45	
Airflow rate ³		W m³/h		520/480/440/40	0/360/3	330/300	580/540/50	0/460/430/400/370	
External static pres	isure	Pa			-,, -	10 (0~70)	300/310/30	6, 100, 100, 100, 570	
Sound pressure lev	/e ⁴	dB(A)		32/31/29/28/26/25/23 33/32/31/30/28/27/25					
	Net dimensions ⁵ (WxHxD)	mm		780×210×500					
Indoor unit						870×285×525			
	Net/Gross weight	mm kg				18/21			
	Liquid/Gas pipe	mm				Φ6.35/ Φ12.7			
Pipe connections	Drain pipe	mm				OD 025			
	Dialitipipe					00 423			
Model			MI2-45T2DHM	V1		MI2-56T2DHN1	MI2	-71T2DHN1	
Power supply					1	phase, 220-240V, 50/60H			
	Capacity	kW	4.5			5.6		7.1	
Cooling ¹	Capacity	kBtu/h	15.4			19.1		24.2	
5	Power input		92			92		98	
	Capacity	kW	5.0			6.3	8.0		
Heating ²	Capacity	kBtu/h	17.1		21.5			27.3	
5	Power input	W	92		92			98	
Airflow rate ³		m³/h	800/740/680/620/54	40/480/400	830	/790/750/710/660/620/5	80 1000/960/90	00/840/780/720/680	
External static pres	sure	Pa				10 (0~70)			
Sound pressure lev	/e ⁴	dB(A)	36/34/32/31/29	/27/25		36/34/33/32/30/29/28	37/35/	33/32/30/29/28	
	Net dimensions ⁵ (WxHxD)	mm	1000×210×50					20×210×500	
Indoor unit	Packed dimensions (WxHxD)	mm	1090x285					35×285×525	
	Net/Gross weight	kg			5/25			25.7/30.2	
	Liquid/Gas pipe	mm	Φ6.35/Φ12		/		Φ9.53/Φ15.9		
Pipe connections	Drain pipe	mm	+0.55, +11			OD Φ25			
	Diampipe								
Model			MI2-80T2DHN1	MI2-90T2DH	N1	MI2-112T2DHN1	MI2-140T2DHN1	MI2-160T2DHN1	
Power supply					1	phase, 220-240V, 50/60F	z		
	Capacity	kW	8.0	9.0		11.2	14.0	16.0	
Cooling ¹	Capacity	kBtu/h	27.3	30.7		38.2	47.8	54.6	
5	Power input	W	110	120		200	250	250	
		kW	9.0	10.0		12.5	15.5	18.0	
Heating ²	Capacity	kBtu/h	30.7	34.1		42.7	52.9	61.4	
	Power input	W	110	120		200	250	250	
		2.4	1260/11000/11000	14 000 10 10 10 10 10	700	1500/1430/1360/1290/	1960/1860/1760/1660	/ 2300/2100/2000/1900/	
Airflow rate ³		m³/h	1260/1180/1100	/1020/940/860/	/80	1210/1140/1080	1560/1460/1360	1750/1600/1450	
		Pa		20 (10~1	00)			2~150)	
Sound pressure lev		dB(A)	37/35/34/	33/31/29/28	.,	39/38/38/37/35/34/33	41/39/38/37/36/35/33		
	Net dimensions ⁵ (WxHxD)	mm	2., 33/3 //.	1230×270	×775		1290×300×865	1490×300×865	
Indoor unit	Packed dimensions (WxHxD)	mm		1355×355			1400×375×925	1605×345×955	
	Net/Gross weight	kg	36,5/44,5	1000000		37/45	46.5/55.5	54/63	
	Liquid/Gas pipe	mm	JU.J/ TT.J			Φ9.53/Φ15.9	10.3/ 33.3	5705	
Pipe connections	Drain pipe	mm				OD Φ25			
	Diani pipe	111111				00 423			

Notes:

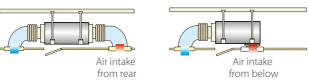
Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 Each model's 7 airflow rate options are listed in order, from highest to lowest.

4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.

5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments. All specifications are measured at standard external static pressure.

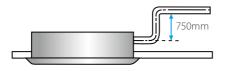
Flexible Air Inlet Port Installation

To provide the flexibility to adapt to differing installation situations, the air inlet may be positioned either on the underside or the rear of the unit.



High-lift Drain Pump

A drain pump with a 750mm raise height is fitted as standard, simplifying installation of the drain piping.



Specifications - DC Series **ESP** Increased Series

Model			MI2-22T2DHN1(A)	MI2-28T2DHN1(A)	MI2-36T2DHN1(A)			
Power supply			1 phase, 220-240V, 50/60Hz					
	Capacity	kW	2.2	3.6				
Cooling ¹	Capacity	kBtu/h	7.5	9.6	12.3			
	Power input	W	45	45	45			
Heating ²	Capacity	kW	2.6	3.2	4.0			
	Capacity	kBtu/h	8.2	10.9	13.6			
	Power input	W	45	45	45			
Airflow rate ³		m³/h	580/540/500/460/430/400/370					
External static pres	sure	Pa	10 (10~80)					
Sound pressure lev	/el ⁴	dB(A)	33/32/31/30/28/27/25					
	Net dimensions ⁵ (W×H×D)	mm		780x210x500				
Indoor unit	Packed dimensions (W×H×D)	mm		870×285×525				
	Net/Gross weight	kg		18/21				
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7					
	Drain pipe	mm						

Model			MI2-45T2DHN1(A)	MI2-56T2DHN1(A)	MI2-71T2DHN1(A)	MI2-90T2DHN1(A)			
Power supply				1 phase, 220-2	240V, 50/60Hz	<u></u>			
	Caracity	kW	4.5	5.6	7.1	9.0			
Cooling ¹	Capacity	kBtu/h	15.4	19.1	24.2	30.7			
-	Power input	W	97	97	103	150			
	Capacity	kW	5.0	6.3	8.0	10.0			
Heating ²	Capacity	kBtu/h	17.1	21.5	27.3	34.1			
	Power input	W	97	97	103	150			
Airflow rate ³		m³/h	910/850/790/730/670/610/550	1000/945/885/825/765/705/635	1270/1200/1130/1060/990/920/850	1710/1600/1490/1380/1270/1160/1060			
External static pres	sure	Pa	40 (30~150)						
Sound pressure lev	rel ⁴	dB(A)	38/36/35/34/32/30/28	39/38/37/35/33/31/29	38/36/34/32/31/29/28	41/40/38/37/35/33/32			
	Net dimensions ⁵ (W×H×D)	mm	1010x2	70x635	1230×270×775				
Indoor unit	Packed dimensions (W×H×D)	mm	1145x3	55x705	1355×3	50×795			
	Net/Gross weight	kg	29/	/34	36.5/44.5	37/45			
Dina connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		Φ9.53/Φ15.9				
Pipe connections	Drain pipe	mm		OD	Φ25				

Model			MI2-112T2DHN1(A)	MI2-140T2DHN1(A)	MI2-160T2DHN1(A)			
Power supply			1 phase, 220-240V, 50/60Hz					
	Capacity	kW	11.2	14.0	16.0			
Cooling ¹	Capacity	kBtu/h	38.2	47.8	54.6			
	Power input	W	205	260	250			
Heating ²	Capacity	kW	12.5	15.5	18.0			
	Capacity	kBtu/h	42.7	52.9	61.4			
	Power input	W	205	260	250			
Airflow rate ³		m³/h	1870/1760/1660/1560/1460/1365/1275	2320/2210/2110/2010/1900/1800/1700	2300/2100/2000/1900/1750/1600/1450			
External static pres	ssure	Pa	40 (30~150)					
Sound pressure le	vel ⁴	dB(A)	40/38/37/36/35/34/33	43/42/41/40/39/38/37	42/41/39/38/37/35/34			
	Net dimensions ⁵ (W×H×D)	mm	1290x3	300x865	1490×300×865			
Indoor unit	Packed dimensions (W×H×D)	mm	1400x3	375x925	1605×345×955			
	Net/Gross weight	kg	46.5	/55.5	54/63			
Dina connections	Liquid/Gas pipe	mm						
Pipe connections	Drain pipe	mm						

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

3. Each model's 7 airflow rate options are listed in order, from highest to lowest.

Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.

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

All specifications are measured at standard external static pressure.

4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).

50Hz Series

Model			MDV-D22T2/N1-DA5(B)	MDV-D28T2/N1-DA5(B)	MDV-D36T2/N1-DA5(B)	MDV-D45T2/N1-DA5(B)	MDV-D56T2/N1-DA5(B)				
Power supply	r			1 phase, 220-240V,50Hz							
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5	5.6				
Cooling	Input	W	57	57	61	98	103				
Heating ²	Capacity	kW	2.6	3.2	4	5	6.3				
neating-	Input	W	57	57	61	98	103				
Indoor fan	Туре										
motor	Quantity		1								
Refrigerant type					R410A						
Airflow rate (H	H/M/L)	m³/h	550/397/309	550/397/309	605/442/351	800/573/479	800/573/479				
External static	pressure (Std(Min~Max))	Pa	10(0~30)	10(0~30)	10(0~30)	10(0~30)	10(0~30)				
Sound pressu	ire level (H/M/L) ³	dB(A)	31/24/21	31/24/21	35/28/24	36/29/26	36/29/27				
	Dimension ⁴ (WxHxD)	mm		778x210x500		997x210x500					
Indoor unit	Packing (WxHxD)	mm		870×285×525		1115×2	285×525				
	Net/Gross weight	kg		17.5/20	22	/25					
	Liquid pipe	mm		¢		Φ9.53					
Piping connections	Gas pipe	mm		¢		Φ15.9					
	Drain pipe	mm			OD Φ25						

Model			MDV-D71T2/N1-DA5(B)	MDV-D80T2/N1-BA5(B)	MDV-D90T2/N1-BA5(B)	MDV-D112T2/N1-BA5(B)	MDV-D140T2/N1-BA5(B)					
Power supply	/	ĺ	1 phase, 220-240V,50Hz									
Cooling ¹	Capacity	kW	7.1	8	9	11.2	14					
cooling	Input	W	140	198	200	313	274					
Heating ²	Capacity	kW	8	9	10	12.5	15.5					
rieating	Input	W	140	198	200	313	274					
ndoor fan	Туре			AC								
notor	Quantity		1									
Refrigerant type					R410A							
Airflow rate (H	H/M/L)	m³/h	985/738/630	1345/1165/1013	1345/1165/1013	1800/1556/1400	1905/1636/1400					
External static	pressure (Std(Min~Max))	Pa	10(0~30)	20(10~50)	20(10~50)	40(10~80)	40(10~100)					
Sound pressu	ure level (H/M/L) ³	dB(A)	36/30/27	45/40/37	45/40/37	48/42/38	48/43/39					
	Dimension ⁴ (WxHxD)	mm	1218x210x500		1230×270×775		1290×300×865					
ndoor unit	Packing (WxHxD)	mm	1335x285x525		1355×350×795		1400×375×925					
	Net/Gross weight	kg	27.5/31	37.5/43	37.5/43	37.5/43	46.5/55.5					
	Liquid pipe	mm		Ф9.53								
Piping connections	Gas pipe	mm			Φ15.9							
connections	Drain pipe	mm			OD Φ25							

Notes: 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber. 4. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments. All specifications are measured at standard external static pressure.

Specifications - AC Series

60Hz Series

Model			MDV-D22T2/VN1-DA5(B)	MDV-D28T2/VN1-DA5(B)	MDV-D36T2/VN1-DA5(B)	MDV-D45T2/VN1-DA5(B)	MDV-D56T2/VN1-DA5(B			
Power supply	/				1 phase, 220-240V,60H	Z				
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5	5.6			
cooling.	Input	W	66	72	77	100	100			
Heating ²	Capacity	kW	2.6	3.2	4	5	6.3			
rieating	Input	W	66	72	77	100	100			
Indoor fan	Туре				AC	1				
motor	Quantity		1							
Refrigerant type				R410A						
Airflow rate (S	SH/H/M/L)	m³/h	538/456/375	538/456/375	597/514/429	811/684/575	811/684/575			
External static	pressure (Std(Min~Max))	Pa	10(10~30)							
Sound pressu	ire level (H/M/L) ³	dB(A)	36/35/32	36/35/32	39/38/34	39/38/34	39/38/34			
	Dimension ⁴ (WxHxD)	mm		780x210x500		1000	1000x210x500			
Indoor unit	Packing (WxHxD)	mm		870×285×525		1115	×285×525			
	Net/Gross weight	kg		17.5/20		22	/25			
	Liquid pipe	mm		1	Φ9.53					
Pipe connections	Gas pipe	mm		Ф12.7						
	Drain pipe	mm			OD Φ25		1			

Model			MDV-D71T2/VN1-DA5(B)	MDV-D80T2/VN1-BA5(B)	MDV-D90T2/VN1-BA5(B)	MDV-D112T2/VN1-BA5(B)	MDV-D140T2/VN1-BA5(B)				
Power sup	oply				1 phase, 220-240V,60H	Z					
Cooling ¹	Capacity	kW	7.1	8	9	11.2	14				
cooling	Input	W	125	133	134	378	352				
Heating ²	Capacity	kW	8	9	10	12.5	15.5				
	Input	W	125	133	134	378	352				
Indoor far	Туре			AC							
motor	Quantity			1							
Refrigerant type				R410A							
Airflow rat	te (SH/H/M/L)	m³/h	1029/934/781	1345/1165/1013	1345/1165/1013	1800/1556/1400	1905/1636/1400				
External sta	atic pressure (Std(Min~Max))	Pa	10(10~30)	20(10~50)	20(10~50)	40(10~80)	40(10~100)				
Sound pre	essure level (H/M/L) ³	dB(A)	41/39/35	45/40/37	45/40/37	48/42/38	48/43/39				
	Dimension ⁴ (WxHxD)	mm	1220x210x500		1230×270×775		1290×300×865				
Indoor	Packing (WxHxD)	mm	1335×285×525		1355×350×795		1400×375×925				
unit	Net/Gross weight	kg	27.5/31		37.5/43		46.5/55.5				
	Liquid pipe	mm									
Pipe connection	s Gas pipe	mm									
	Drain pipe	mm			OD Φ25						

Notes: 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber. 4. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments. All specifications are measured at standard external static pressure.

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High Static Pressure Duct



High external static pressure with long duct distribution, ideal for large sized spaces.

Key Features

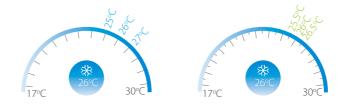
High Static Pressu	ire Duct	DC Series	AC Series	
	Quiet operation	•	•	
Constant	0.5°C/1°C setting temperature adjustment	•	•	
Comfort	Digital display on/off	•	•	
	Buzzer sound on/off	•	•	
	Air filter	G3-class)	● ○ (G3-class)	
Health	Innovative puro-air kit	0	0	
	Dirty filters indicator signal	•	•	
Air flow	Adjustable ESP	20-steps	×	
AIT HOW	Multiple fan speeds	7+auto	3+auto	
	Compact size	•	•	
Food in stallation	Flexible duct design	•	•	
Easy installation	Double-skin drainage pan	•	•	
	High-lift water pump box	0	0	

Note: •: equipped as standard; •: customization option; •: without this function

COMFORT

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.



Digital Display On/Off

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



Buzzer Sound On/Off

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



HEALTH

Innovative Puro-air Kit

Puro-Air kit, powered by OSRAM's UVC lamps, can effectively kill bacteria, viruses and odors of indoor air to provide a healthy and safe indoor environment. It is also innovatively designed so that it could prevent UV damage to the eyes, skin, and respiratory tract.

Puro-Air Kit

Protectors of health and safety



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

nany -OSRAM quality UV light source

Ozone -Free UV leakage-Free

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

Optional G3-class Air Filter

G3-class filter is optional for High Static Pressure Duct installation. Filtering effect of the G3-class filter reaches up to 80%-90% against coarse dust (particle size > $10 \ \mu$ m), creating a cleaner living environment.

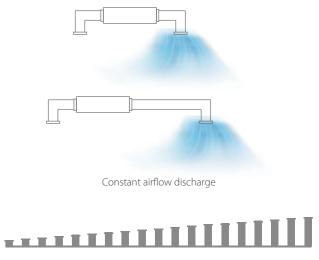


The optional filter comply with EN779:2012

AIR FLOW

Static Pressure 20 Steps Control

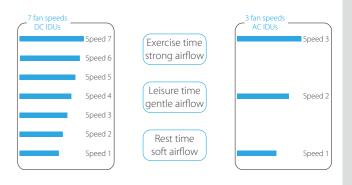
Depending on the installation environment, High Static Pressure Duct is controlled the static pressure up to 20 steps via wired remote controller, for providing comfortable environment suitable for any environment.



²⁰ steps static pressure control

Multiple Fan Speeds

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.

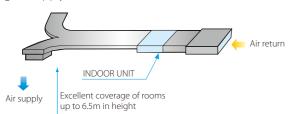


Indoor Units

EASY INSTALLATION

Flexible Duct Design

High Static Pressure Duct supplies a wide static pressure from 30Pa to 400Pa which can support short to long duct with high ceiling air supply.



Specifications - DC Series

Model	Model		MI2-71T1DHN1	MI2-80T1DHN1	MI2-90T1DHN1	MI2-112T1DHN1		
Power supply			1-phase, 220-240V, 50/60Hz					
	Constitution	kW	7.1	8.0	9.0	11.2		
Cooling ¹ Capacity	Capacity	kBtu/h	24.2	27.3	30.7	38.2		
-	Power input	W	180	180	220	380		
Heating ² Capacity	kW	8.0	9.0	10.0	12.5			
	kBtu/h	27.3	30.7	34.1	42.7			
	Power input	W	180	180	220	380		
Airflow rate ³		m³/h	1360/1327/1293/1260		1420/1373/1327/1280	1870/1783/1697/1610		
Amowhate		111 / 11	/1227/1	193/1160	/1233/1187/1140	/1523/1437/1350		
External static		Pa	100 (30~ 200)					
Sound pressu	re level ⁴	dB(A)	42/41/40/40/39/39/38		45/44/43/42/41/40/39	48/47/46/45/43/42/41		
Net dimensions ⁵ (WxHxD) mm			965×423×690					
Indoor unit	Packed dimensions(WxHxD)	mm			1090×440×768			
Net/Gross wei	Net/Gross weight	kg	41	/47	48/55	48/55		
Pipe	Liquid/Gas pipe	mm	Φ9.53/Φ15.9					
connections	Drain pipe	mm			OD Φ25			

Model		MI2-140T1DHN1	MI2-160T1DHN1	MI2-200T1DHN1	MI2-250T1DHN1		
Power supply				1-phase, 220-240V, 50/60Hz			
		kW	14.0	16.0	20.0	25.0	
Cooling ¹	Capacity	kBtu/h	47.8	54.6	68.2	85.3	
5	Power input	W	420	700	990	1200	
	Canaaitu	kW	16.0	17.0	22.5	26.0	
Heating ²	leating ² Capacity	kBtu/h	54.6	58.0	76.8	88.7	
	Power input	W	420	700	990	1200	
Airflow rate ³	· · · · · · · · · · · · · · · · · · ·	2.0	2240/2133/2027/1920	2660/2530/2400/2270	4330/4230	/4130/4030	
AINOW Tale		m³/h	/1813/1707/1600	/2140/2010/1880	/3930/3830/3730		
External static	pressure	Pa	100 (3	170(20~250)			
Sound pressur	re level ⁴	dB(A)	45/44/43/42/41/40/40	46/45/44/43/42/41/40	51/50/50/	49/49/48/47	
	Net dimensions ⁵ (WxHxD)	mm	1322×	1322×423×691			
Indoor unit	Packed dimensions(WxHxD)	mm	1436×	450×768	1509×	550×990	
	Net/Gross weight	kg	68	130/142			
Pipe	Liquid/Gas pipe	mm	Φ9.53	Ф9.53/Ф15.9			
connections	Drain pipe	mm	OD	Φ25	OD Φ32		

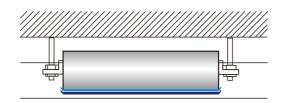
Model			MI2-280T1DHN1	MI2-400T1DHN1	MI2-450T1DHN1	MI2-560T1DHN1		
Power supply			1-phase, 220-240V, 50/60Hz					
	Course in	kW	28.0	40.0	45.0	56.0		
Cooling ¹	Capacity	kBtu/h	95.0	136.5	153.6	191.1		
5	Power input	W	1200	1800	1800	2272		
C 1		kW	31.5	45.0	56.0	63.0		
Heating ² Capacity	kBtu/h	107.5	153.6	191.1	215.0			
	Power input	W	1200	1800	1800	2272		
Airflow rate ³		m³/h	4330/4230/4130/4030 /3930/3830/3730	6500/6150/ /5100/47		7400/7000/6600/6200 /5800/5400/5000		
External static	pressure	Pa	170(20~250)	300(10	0~400)	300(100~400)		
Sound pressui	re level ⁴	dB(A)	51/50/49/49/48/48/47	60/59/58/	57/55/54/52	59/58/57/56/55/53/51		
	Net dimensions ⁵ (WxHxD)	mm	1454×515×931	2010×6	i80×905	2010×680×905		
Indoor unit Packed dimensions(WxHxD)		mm	1509×550×990	2095×8	300×964	2095×800×964		
	Net/Gross weight	kg	130/142	220/	/245	218/248		
Pipe	Liquid/Gas pipe	mm	Φ12.7/Φ22.2 Φ15.9/Φ28.6		/Ф28.6	Φ15.9/Φ28.6		
connections	Drain pipe	mm		OD	Φ32			

Notes:

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

Double-skin Drainage Pan

A double-skin drainage pan provides double protection for ceilings.



Specifications - AC Series 50Hz Series

Model	Model		MDV-D71T1/N1-B(B)	MDV-D80T1/N1-B(B)	MDV-D90T1/N1-B(B)	MDV-D112T1/N1-B(B)	MDV-D140T1/N1-B(B)	MDV-D160T1/N1-B(B)			
Power supply	у				1 phase,	220-240V,50Hz					
Cooling ¹	Capacity	kW	7.1	8	9	11.2	14	16			
cooling.	Input	W	263	263	423	524	724	940			
Heating ²	Capacity	kW	8	9	10	12.5	16	17			
Heating-	Input	W	263	263	423	524	724	940			
Indoor fan	Туре					AC					
motor	Quantity					1					
Refrigerant ty	ype				F	R410A					
Airflow rate (SH/H/M/L)	m³/h	1395/1315/1248/1204	1361/1285/1217/1175	1801/1687/1643/1431	2063/1939/1716/1533	2965/2561/2207/1905	3417/2875/2587/2383			
External static	pressure (Std(Min~Max))	Pa	25(25~ 196)	37(37~ 196)	37(37~ 196)	50(50~ 196)	50(50~ 196)	50(50~ 196)			
Sound pressu	ure level (SH/H/M/L) ³	dB(A)	48/46/44/43	48/46/45/43	52/49/47/45	52/49/47/46	53/50/48/46	54/52/50/48			
	Dimension ⁴ (WxHxD)	mm		965×4	423×690		1322×4	123×691			
Indoor unit	Packing (WxHxD) mm 1090x440x768			1436×4	450×768						
	Net/Gross weight	kg	45/50	45/50	46.5/52.4	48/53	67/73	67/73			
	Liquid pipe	mm		Ф9.53							
Piping connections Gas pipe		mm		Ф15.9							
	Drain pipe mm				0	D Ф25					
Model			MDV-D200T1/N1-B(B) MDV-D250T1/N1-E	B(B) MDV-D280T1/N1	-B(B) MDV-D400T1/N1	(B) MDV-D450T1/N1(B) MDV-D560T1/N1(B)			
Power supply	у		1 phase, 220-240V,50Hz								
Cooling ¹	Capacity	kW	20 25		28	28 40		56			
cooling	Input	W	1408	1408	1408	2100	2100	2800			
11	Capacity	kW	22.5	26	31.5	45	50	63			
Heating ²	Input	W	1408	1408	1408	2100	2100	2800			
Indoor fan	Туре					AC	AC				
motor	Quantity			2			3				
Refrigerant ty	ype					R410A					
Airflow rate (S	SH/H/M/L)	m³/h		4600/3765/2900/2	100	7500/5800/4310/30	090 7500/5800/4310/309	0 8400/5859/4300/3100			
External static	pressure (Std(Min~Max))	Pa		250(50~300)			300(50~400)				
	ure level (SH/H/M/L) ³	dB(A)		57/56/52/47		60/58/54/49	60/58/54/49	61/56/51/46			
	Dimension ⁴ (WxHxD)	mm		57/50/52/47 1454×515×931			2010×680×905				
Indoor unit	Packing (WxHxD)	mm	4500,550,000				2095×800×964				
	Net/Gross weight	kg		124/135		202/233	202/233	202/233			
	Liquid pipe	mm		Φ12.7		202/233	Φ15.9	202/233			
Piping	Caraina			Φ22.2							
connections	Gas pipe	mm		ΨΖΖ.Ζ			Ф28.6				
	Drain pipe	mm	OD 032								

Model		MDV-D71T1/N1-B(B)	MDV-D80T1/N1-B(B)	MDV-D90T1/N1-B(B)	MDV-D112T1/N1-B(B)	MDV-D140T1/N1-B(B)	MDV-D160T1/N1-B(B)			
Power supply	у		1 phase, 220-240V,50Hz							
Cooling ¹	Capacity	kW	7.1	8	9	11.2	14	16		
cooning	Input	W	263	263	423	524	724	940		
Heating ²	Capacity	kW	8	9	10	12.5	16	17		
Input	Input	W	263	263	423	524	724	940		
Indoor fan	Туре					AC				
motor	Quantity					1				
Refrigerant t	ype				F	R410A				
Airflow rate (SH/H/M/L)	m³/h	1395/1315/1248/1204	1361/1285/1217/1175	1801/1687/1643/1431	2063/1939/1716/1533	2965/2561/2207/1905	3417/2875/2587/2383		
External static	: pressure (Std (Min~Max))	Pa	25(25~ 196)	37(37~ 196)	37(37~ 196)	50(50~ 196)	50(50~ 196)	50(50~ 196)		
Sound press	ure level (SH/H/M/L) ³	dB(A)	48/46/44/43	48/46/45/43	52/49/47/45	52/49/47/46	53/50/48/46	54/52/50/48		
	Dimension ⁴ (WxHxD)	mm		965×4	123×690		1322×4	423×691		
Indoor unit	unit Packing (WxHxD) mm 1090x440x768			1436×4	450×768					
	Net/Gross weight	kg	45/50	45/50	46.5/52.4	48/53	67/73	67/73		
	Liquid pipe	mm								
Piping connections	Gas pipe	mm	Ф15.9							
	Drain pipe	mm			С	D Ф25				
Model			MDV-D200T1/N1-B(8	3) MDV-D250T1/N1-B	(B) MDV-D280T1/N1	-B(B) MDV-D400T1/N1	(B) MDV-D450T1/N1(B) MDV-D560T1/N1(B)		
Power supply	у		1 phase, 220-240V,50Hz							
Cooling ¹	Capacity	kW	20	25	25 28		45	56		
coomig	Input	W	1408	1408	1408	2100	2100	2800		
Lloatin a ²	Capacity	kW	22.5	26	31.5	45	50	63		
Heating ²	Input	W	1408	1408	1408	2100	2100	2800		
Indoor fan	Туре					AC				
motor	Quantity			2			3			
Refrigerant t	ype		R410A							
Airflow rate (SH/H/M/L)	m³/h		4600/3765/2900/2	100	7500/5800/4310/30	090 7500/5800/4310/309	0 8400/5859/4300/3100		
External static	pressure (Std(Min~Max))	Pa		250(50~300)			300(50~400)			
Sound press	ure level (SH/H/M/L) ³	dB(A)		57/56/52/47		60/58/54/49	60/58/54/49	61/56/51/46		
	Dimension ⁴ (WxHxD)	mm		1454×515×931						
Indoor unit	Packing (WxHxD)	mm		1509×550×990			2095×800×964			
	Net/Gross weight	kg		124/135		202/233	202/233	202/233		
	Liquid pipe	mm		Φ12.7			Φ15.9			
Piping .	Caraina	mm		Φ22.2			Φ28.6			
connections				+	(D Φ32	+20.0			
	Drain pipe	mm			C	D Φ32	32			

Notes:

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. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber. 4. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments. All specifications are measured at standard external static pressure.

Specifications - AC Series 60Hz Series

Liquid pipe

Gas pipe

mm

mm

Model MDV-	Model MDV-			MDV-D80T1/VN1-B(B)	MDV-D90T1/VN1-B(B)	MDV-D112T1/VN1-B(B)	MDV-D140T1/VN1-B(B)	MDV-D160T1/VN1-B(B)		
Power supply					1 phase	e, 220-240V,60Hz				
Cooling ¹	Capacity	kW	7.1	8	9	11.2	14	15		
Cooling	Input	W	414	402	409	409	527	532		
Heating ²	Capacity	kW	8	9	10	12.5	16	16.5		
rieating	Input	W	414	402	409	409	527	532		
Indoor fan	Туре			AC						
motor	Quantity			1						
Refrigerant typ	pe		R410A							
Airflow rate (SH	H/H/M/L)	m³/h	1614/1507/1406/1310	1589/1483/1386/1292	2089/1977/1729/1569	2029/1914/1694/1544	2892/2683/2472/2339	2892/2683/2472/2339		
External static p	oressure (Std(Min~Max))	Pa	25(25~196)	37(37~ 196)	37(37~ 196)	50(50~196)	50(50~196)	50(50~196)		
Sound pressur	re level (SH/H/M/L) ³	dB(A)	48/46/45/44	48/46/45/44	52/49/47/44	52/49/47/46	53/50/48/47	54/52/50/49		
Dimension⁴ (WxHxD) mm			965	×423×690	1	1322	×423×691			
Indoor unit	Packing (WxHxD)	mm		109	0×440×768		1436	×450×768		
	Net/Gross weight	kg	46.5/52	46.5/52	48/53	48/53	67/73	67/73		

CONNECTIONS										
	Drain pipe	mm	OD \$25							
Model MDV-			MDV-D200T1/VN1-B(B)	MDV-D250T1/VN1-B(B)	MDV-D280T1/VN1-B(B)	MDV-D400T1/VN1(B)	MDV-D450T1/VN1(B)	MDV-D560T1/VN1(B)		
Power supply					1 phase, 22	20-240V,60Hz	•			
Cooling ¹	Capacity	kW	20	25	28	40	45	56		
cooling	Input	W	1670	1670	1670	2833	2833	3243		
Heating ²	Capacity	kW	22.5	26	31.5	45	50	63		
	Input	W	1670	1670	1670	2833	2833	3243		
Indoor fan	Туре		AC							
motor	Quantity			2			3			
Refrigerant typ	e		R410A							
Airflow rate (SH	I/H/M/L)	m³/h		5000/4385/3700/3000)	7700/6377/5200/4100 8300/6637/5300/43				
External static p	ressure (Std(Min~Max))	Pa	250(50~300)			300(50~400)				
Sound pressure	e level (SH/H/M/L) ³	dB(A)	59/57/54/50			61/58/54/50 60/57/54/52				
	Dimension ⁴ (WxHxD)	mm		1454×515×931		2010×680×905				
Indoor unit	Packing (WxHxD)	mm		1509×550×990			2095×800×964			
	Net/Gross weight	kg		124/135		202/233	202/233	202/233		
Liquid pipe		mm		Φ12.7			Φ15.9			
Pipe connections	Gas pipe	mm		Φ22.2		Φ28.6				
	Drain pipe	mm			OD	Ф32				

Φ9.53

Φ15.9

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. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber. 4. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments. All specifications are measured at standard external static pressure.



Stylish panel, ideal for rooms with no or narrow ceilings.

Key Features

Wall Mounted		DC Series	AC Series	
	Quiet operation	•	•	
Constant.	0.5°C/1°C setting temperature adjustment	•	•	
Comfort	Digital display on/off	•	•	
	Buzzer sound on/off	•	•	
Health	Air filter	•	•	
	Dirty filters indicator signal	•	•	
A: . () .	Multiple fan speeds	7+auto	7+auto	
Air flow	Multiple steps vertical swing	5+auto	5+auto	
	Compact size	•	•	
E	Pure white stylish panel	4 options	4 options	
Easy installation	Exposed installation, no need ceilings	•	•	
	Flexible pipe outlet direction	•	•	

•: equipped as standard

Pipe connections

115

COMFORT

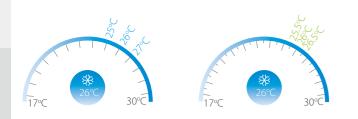
Quiet Operation

The minimum noise level of Wall Mounted is as low as 29dB(A), idea for hotels and other noise-sensitive locations.



Indoor Units

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.



Digital Display On/Off

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



Buzzer Sound On/Off

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



HEALTH

Dirty Filters Indicator Signal

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



AIR FLOW

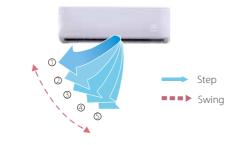
Multiple Fan Speeds

Both DC and AC Series come with 7 indoor fan speed options to meet the needs of different indoor conditions.



Multiple Steps Vertical Swing

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



EASY INSTALLATION

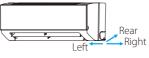
Pure White Stylish Panel

Pure white stylish panel with four options (M2, M9, M10 and M11), perfect fusion in all kinds of decoration.



Flexible Pipe Outlet Direction

Multi-outlet pipe method for both refrigerant pipe and drain pipe: left/right/rear, more flexible for installation.



Specifications - DC Series

Model			MI2-22GDHN1	MI2-28GDHN1			
Power supply			1 phase, 220-240V, 50/60Hz				
	Capacity	kW	2.2		2.8		
Cooling1	Capacity	kBtu/h	7.5		9.6		
	Power input	W	28		28		
	Capacity	kW	2.4		3.2		
leating ²		kBtu/h	8.2		10.9		
	Power input	W	28		28		
Airflow rate ³		m³/h	422/411/402/393/380/36		402/386/370/353/338/316		
ound pressure lev	1	dB(A)	31/30/30/29/29/2		31/30/30/30/29/29/29		
	Net dimensions ⁵ (WxHxD)	mm		835×280×203			
ndoor unit	Packed dimensions (WxHxD)	mm		915×353×300			
	Net/Gross weight	kg	8.4/10.9		9.5/11.9		
pipe connections	Liquid/Gas pipe	mm		Φ6.35/Φ12.7			
	Drain pipe	mm		OD Φ16			
4.1.1							
Model			MI2-36GDHN1	MI2-45GDHN1	MI2-56GDHN1		
ower supply	1	114/	26	1 phase, 220-240V, 50/60Hz	5.6		
Cooling'	Capacity	kW	3.6	4.5	5.6		
	Device in prot	kBtu/h W	12.3	15.4	19.1		
	Power input	kW	4.0	5.0	6.3		
Heating ²	Capacity	kBtu/h	4.0	5.0	21.5		
	Power input	W KDLU/II	30	40	45		
Airflow rate ³	Fowerinput	m³/h	656/628/591/573/544/515/488	594/563/535/507/478/450/424	747/713/685/648/613/578/547		
Sound pressure level ⁴		dB(A)	33/32/32/31/31/30/30	35/34/33/33/32/31/31	38/37/36/36/35/34/34		
ound pressure iev		,	53/32/32/31/31/30/30	990×315×223	38/37/30/30/33/34/34		
ndoor unit	Net dimensions ⁵ (WxHxD) Packed dimensions (WxHxD)	mm	1075x395x300				
	Net/Gross weight	kg	11.4/14.0		12.8/15.4		
	Liquid/Gas pipe	mm		/Ф12.7	Φ9.53/Φ15.9		
Pipe connections	Drain pipe	mm	0.55	OD Φ16	Ψ9.55/Ψ15.9		
Nodel			MI2-71GDHN1	MI2-80GDHN1	MI2-90GDHN1		
ower supply				1 phase, 220-240V, 50/60Hz			
	Capacity	kW	7.1	8.0	9.0		
Cooling ¹	Capacity	kBtu/h	24.2	27.3	30.7		
	Power input	W	55	55	82		
	Capacity	kW	8.0	9.0	10.0		
leating ²		kBtu/h	27.3	30.7	34.1		
	Power input	W	55	55	82		
irflow rate ³		m³/h	1195/1130/1065/1005/940/875/809	1195/1130/1065/1005/940/875/809	1421/1300/1125/1067/1005/934/86		
ound pressure lev		dB(A)	44/43/42/39/38/37/36	44/43/42/39/38/37/36	48/46/45/43/41/40/38		
	Net dimensions ⁵ (WxHxD)	mm		1194×343×262			
ndoor unit	Packed dimensions (WxHxD)	mm		1265×420×345			
	Net/Gross weight	kg		17.0/20.4			
Liquid/Gas pipe			Φ9.53/Φ15.9				
Pipe connections	Liquid/Gas pipe Drain pipe	mm		OD Φ16			

Model			MI2-22GDHN1		MI2-28GDHN1		
Power supply				1 phase, 220-240V, 50/60Hz			
	Caracity	kW	2.2		2.8		
Cooling ¹	Capacity	kBtu/h	7.5		9.6		
2	Power input	W	28		28		
	Capacity	kW	2.4		3.2		
eating ²	Capacity	kBtu/h	8.2		10.9		
5	Power input	W	28		28		
irflow rate ³		m³/h	422/411/402/393/380/36	8/356 417/	402/386/370/353/338/316		
ound pressure lev	/el ⁴	dB(A)	31/30/30/30/29/29/2	9	31/30/30/30/29/29/29		
	Net dimensions ⁵ (WxHxD)	mm		835×280×203			
ndoor unit	Packed dimensions (WxHxD)	mm		915×353×300			
	Net/Gross weight	kg	8.4/10.9		9.5/11.9		
	Liquid/Gas pipe	mm		Φ6.35/Φ12.7			
ipe connections	Drain pipe	mm		OD Φ16			
	Dianipipe						
Nodel			MI2-36GDHN1	MI2-45GDHN1	MI2-56GDHN1		
Power supply			1012-300DF1141	1 phase, 220-240V, 50/60Hz	MI2-300D1101		
ower supply		kW	3.6	4.5	5.6		
ooling1	Capacity	kBtu/h	12.3	15.4	19.1		
oonng	Power input	W	30	40	45		
			5.0	6.3			
Heating-	Capacity	kBtu/h	13.6	17.1	21.5		
	Power input	W	30	40	45		
irflow rate ³	i ower input	m³/h	656/628/591/573/544/515/488	594/563/535/507/478/450/424	747/713/685/648/613/578/547		
		dB(A)	33/32/32/31/31/30/30	35/34/33/33/32/31/31	38/37/36/36/35/34/34		
ound pressure let	Net dimensions ⁵ (WxHxD)	mm	55/52/52/51/50/50	990×315×223	50/57/50/50/57/54		
ndoor unit	Packed dimensions (WxHxD)	mm	1075x395x300				
	Net/Gross weight	kg	11.4/14.0		8/15.4		
	Liquid/Gas pipe	mm		/Ф12.7	Φ9.53/Φ15.9		
ipe connections	Drain pipe	mm	φ0.55,	OD Φ16	Ψ9.55/Ψ15.9		
	Diairi pipe	11011		00 010			
Nodel			MI2-71GDHN1	MI2-80GDHN1	MI2-90GDHN1		
ower supply				1 phase, 220-240V, 50/60Hz			
		kW	7.1	8.0	9.0		
ooling ¹	Capacity	kBtu/h	24.2	27.3	30.7		
5	Power input	W	55	55	82		
		kW	8.0	9.0	10.0		
leating ²	Capacity	kBtu/h	27.3	30.7	34.1		
5	Power input	W	55	55	82		
irflow rate ³		m³/h	1195/1130/1065/1005/940/875/809	1195/1130/1065/1005/940/875/809	1421/1300/1125/1067/1005/934/86		
		dB(A)	44/43/42/39/38/37/36	44/43/42/39/38/37/36	48/46/45/43/41/40/38		
				1194×343×262			
ndoor unit	Packed dimensions (WxHxD)	mm		1265×420×345			
		kg		17.0/20.4			
	Net/Gross weight						
Pipe connections	Liquid/Gas pipe Drain pipe	mm		Φ9.53/Φ15.9 OD Φ16			

Model			MI2-22GDHN1		MI2-28GDHN1		
Power supply			1 phase, 220-240V, 50/60Hz				
	Casasity	kW	2.2		2.8		
Cooling ¹	Capacity	kBtu/h	7.5		9.6		
5	Power input	W	28		28		
	Capacity	kW	2.4		3.2		
leating ²	Capacity	kBtu/h	8.2		10.9		
-	Power input	W	28		28		
Airflow rate ³		m³/h	422/411/402/393/380/36	8/356 417/	402/386/370/353/338/316		
ound pressure lev	vel ⁴	dB(A)	31/30/30/30/29/29/2	9	31/30/30/30/29/29/29		
	Net dimensions ⁵ (WxHxD)	mm		835×280×203			
Indoor unit Packed dimensions (WxHxD)		mm		915×353×300			
	Net/Gross weight	kg	8.4/10.9		9.5/11.9		
	Liquid/Gas pipe	mm		Φ6.35/Φ12.7			
Pipe connections	Drain pipe	mm		OD Φ16			
Model			MI2-36GDHN1	MI2-45GDHN1	MI2-56GDHN1		
ower supply				1 phase, 220-240V, 50/60Hz			
oner supply	-	kW	3.6	4.5	5.6		
Cooling ¹	Capacity	kBtu/h	12.3	15.4	19.1		
oomig	Power input	W	30	40	45		
		kW	4.0	5.0	6.3		
Heating ²	Capacity	kBtu/h	13.6	17.1	21.5		
icating	Power input	W	30	40	45		
Airflow rate ³	1 ower input	m³/h	656/628/591/573/544/515/488	594/563/535/507/478/450/424	747/713/685/648/613/578/547		
Sound pressure level ⁴		dB(A)	33/32/32/31/31/30/30	35/34/33/33/32/31/31	38/37/36/36/35/34/34		
	Net dimensions ⁵ (WxHxD)	mm		990×315×223			
ndoor unit	Packed dimensions (WxHxD)	mm	1075x395x300				
	Net/Gross weight	kq	11.4/14.0 12.8/15.4				
	Liquid/Gas pipe	mm		/Ф12.7	Φ9.53/Φ15.9		
Pipe connections	Drain pipe	mm		OD Φ16	49.00,410.0		
Nodel			MI2-71GDHN1	MI2-80GDHN1	MI2-90GDHN1		
ower supply				1 phase, 220-240V, 50/60Hz	1112 200021111		
		kW	7.1	8.0	9.0		
Cooling ¹	Capacity	kBtu/h	24.2	27.3	30.7		
	Power input	W	55	55	82		
		kW	8.0	9.0	10.0		
leating ²	Capacity	kBtu/h	27.3	30.7	34.1		
	Power input	W	55	55	82		
irflow rate ³		m³/h	1195/1130/1065/1005/940/875/809	1195/1130/1065/1005/940/875/809	1421/1300/1125/1067/1005/934/86		
ound pressure lev	vel ⁴	dB(A)	44/43/42/39/38/37/36	44/43/42/39/38/37/36	48/46/45/43/41/40/38		
	Net dimensions ⁵ (WxHxD)	mm					
ndoor unit	Packed dimensions (WxHxD)	mm		1265×420×345			
	Net/Gross weight	kq		17.0/20.4			
		ing in	Φ9.53/Φ15.9				
		mm					
Pipe connections	Liquid/Gas pipe Drain pipe	mm		Φ9.53/Φ15.9 OD Φ16			

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 Each model's 7 airflow rate options are listed in order, from highest to lowest.
 Each model's 7 sound pressure levels are listed in order from highest to lowest. Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber. 5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Exposed Installation, No Need Ceilings

The Wall Mounted can be installed against a wall, no need ceilings, simplifying installation.



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Specifications - AC Series 50Hz Series

Model			MDV-D22G/N1-M	MDV-D28G/N1-M	MDV-D36G/N1-M	MDV-D45G/N1-M		
Power supply				1 phase, 220-240V, 50Hz				
Cooling	Capacity	kW	2.2	2.8	3.6	4.5		
Cooling ¹	Input	W	29	29	31	45		
Heating ²	Capacity	kW	2.4	3.2	4	5		
Heating-	Input	W	29	29	31	45		
Indoor fan	Indoor fan Type			ļ	AC			
motor Quantity			1					
Refrigerant type			R410A					
Airflow rate ³		m³/h	446/429/424/409/394/382/373	457/445/433/421/419/410/402	447/429/399/369/339/333/303	648/618/582/563/546/505/476		
Sound pressure le	evel ⁴	dB(A)	34/33/33/32/32/31/31	33/33/32/32/31/31/31	36/35/34/33/32/32/32	37/36/34/34/33/32/31		
	Dimension ⁵ (WxHxD)	mm		835×280×203		990×315×223		
Indoor unit	Packing (WxHxD)	mm		915x353x300		1075x395x300		
	Net/Gross weight	kg	8.5/11.0	8.5/11.0	9.7/12.2	13.8/16.4		
Pipe connections	Liquid pipe	mm	Φ6.35					
	Gas pipe	mm		Ф12.7				
	Drain pipe	mm		OD	Φ16			

Model	Model		MDV-D56G/N1-M	MDV-D71G/N1-M	MDV-D80G/N1-M	MDV-D90G/N1-M			
Power supply			1 phase, 220-240V, 50Hz						
Cooling ¹	Capacity	kW	5.6	7.1	8	9			
cooling	Input	W	54	77	77	90			
Heating ²	Capacity	kW	6.3	8	9	10			
	Input	W	54	77	77	90			
Indoor fan	Indoor fan Type			A	C				
motor Quantity			1						
Refrigerant type	2		R410A						
Airflow rate ³		m³/h	798/764/723/691/665/627/595	1240/1171/1107/1045/976/914/869	1248/1194/1119/1056/993/914/863	1427/1403/1303/1232/1186/1096/1043			
Sound pressure	e level ⁴	dB(A)	42/41/40/39/38/37/36	48/47/45/44/42/39/38 48/47/45/43/42/39/38		52/51/50/49/47/45/43			
	Dimension ⁵ (WxHxD)	mm	990×315×223		1194×343×262				
Indoor unit	Packing (WxHxD)	mm	1075x395x300		1265x420x345				
	Net/Gross weight	kg	13.8/16.4	17.4/20.8	17.6/21.0	17.6/21.0			
	Liquid pipe	mm		Φ9	.53				
Pipe connections	Gas pipe	mm		Φ1	5.9				
	Drain pipe	mm		OD Φ16					

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

3. Each model's 7 airflow rate options are listed in order, from highest to lowest.

4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).

Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.

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

Specifications - AC Series 60Hz Series

Model			MDV-D22G/VN1-M	MDV-D28G/VN1-M	MDV-D36G/VN1-M	MDV-D45G/VN1-M		
Power supply				1 phase, 220-240V, 60Hz				
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5		
Cooling	Input	W	29	29	31	45		
Hosting ²	Capacity	kW	2.4	3.2	4	5		
Heating ²	Input	W	29	29	31	45		
Indoor fan Type				ŀ	AC			
motor	Quantity		1					
Refrigerant type	Refrigerant type		R410A					
Airflow rate ³		m³/h	446/429/424/409/394/382/373	457/445/433/421/419/410/402	447/429/399/369/339/333/303	648/618/582/563/546/505/476		
Sound pressure lev	vel ⁴	dB(A)	34/33/33/32/32/31/31	33/33/32/32/31/31/31	36/35/34/33/32/32/32	37/36/34/34/33/32/31		
	Dimension ^s (WxHxD)	mm		835×280×203				
Indoor unit	Packing (WxHxD)	mm		915x353x300		1075x395x300		
	Net/Gross weight	kg	8.5/11.0	8.5/11.0	9.7/12.2	13.8/16.4		
Liquid pipe		mm		Φ	5.35			
Pipe connections	Gas pipe	mm						
	Drain pipe	mm		OD	Φ16			

Model			MDV-D56G/VN1-M	MDV-D71G/VN1-M	MDV-D80G/VN1-M	MDV-D90G/VN1-M		
Power supply				1 phase, 220-240V, 60Hz				
Cooling ¹ Capacity		kW	5.6	7.1	8	9		
Cooling	Input	W	54	77	77	90		
Heating ²	Capacity	kW	6.3	8	9	10		
Heating	Input	W	54	77	77	90		
Indoor fan Type Quantity				A	-			
			1					
Refrigerant type			R410A					
Airflow rate ³		m³/h	798/764/723/691/665/627/595	1240/1171/1107/1045/976/914/869	248/1194/1119/1056/993/914/863	1427/1403/1303/1232/1186/1096/1043		
Sound pressure le	vel ⁴	dB(A)	42/41/40/39/38/37/36	48/47/45/44/42/39/38	48/47/45/43/42/39/38	52/51/50/49/47/45/43		
	Dimension ⁵ (WxHxD)	mm	990×315×223		1194×343×262			
Indoor unit	Packing (WxHxD)	mm	1075x395x300		1265x420x345			
	Net/Gross weight	kg	13.8/16.4	17.4/20.8	17.6/21.0	17.6/21.0		
Pipe connections	Liquid pipe	mm	Ф9.53					
	Gas pipe	mm		Φ1	5.9			
	Drain pipe	mm	OD Φ16					

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

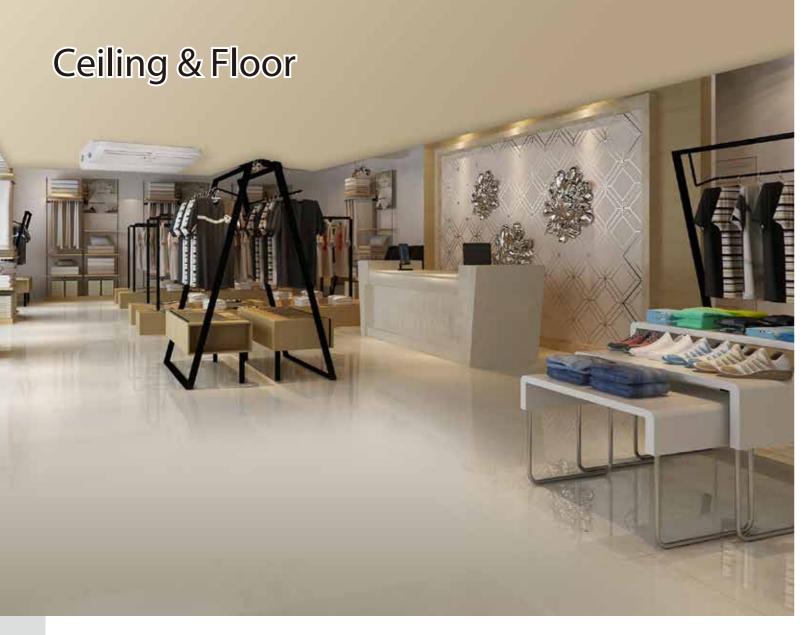
3. Each model's 7 airflow rate options are listed in order, from highest to lowest.

4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).

Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.

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

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Two installation options are available: horizontally against the ceiling or vertically against the floor/wall, idea for wide rooms with no ceilings.

Key Features

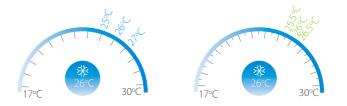
Ceiling & Floor		DC Series	AC Series
	Quiet operation	•	•
Comfort	0.5°C/1°C setting temperature adjustment	•	•
Comfort	Digital display on/off	•	•
	Buzzer sound on/off	•	•
Health	Air filter	•	•
Health	Dirty filters indicator signal	•	•
	Multiple fan speeds	7+auto	3+auto
Air flow	Multiple steps vertical swing	5+auto	5+auto
	Horizontal swing	•	•
	Pure white stylish panel with slim design	•	•
Easy installation	Exposed installation, easy installation and maintenance	•	•
	Two installation options	•	•

Note: •: equipped as standard

COMFORT

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.



Digital Display On/Off

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



Buzzer Sound On/Off

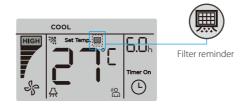
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



HEALTH

Dirty Filters Indicator Signal

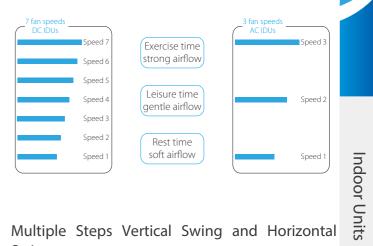
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

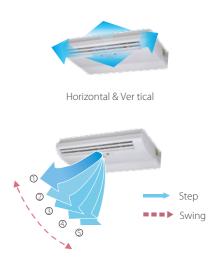
Multiple Fan Speeds

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



Swing

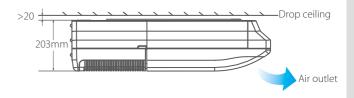
Vertical air flow direction can be adjusted 5 steps and horizontal air flow direction can be adjusted manually, both vertical and horizontal can be set auto swing.



EASY INSTALLATION

Pure White Stylish Panel with Slim Design

Pure white stylish panel with slim design, perfect fusion in all kinds of decoration.



Indoor Units

Exposed Installation, Easy Installation and Maintenance

The Ceiling & Floor unit is exposed installation, it is easy installation and maintenance. It can be serviced through the bottom of the machine, easy to access the key components of the unit.



Specifications - DC Series

Two Installation Options

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



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

Model			MI2-36DLDHN1	MI2-45DLDHN1	MI2-56DLDHN1	MI2-71DLDHN1	
Power supply	Power supply		1 phase, 220-240V, 50/60Hz				
	Capacity	kW	3.6	4.5	5.6	7.1	
Cooling ¹	Capacity	kBtu/h	12.3	15.4	19.1	24.2	
	Power input	W	49	115	115	115	
Capacity Heating ²	Capacity	kW	4.0	5.0	6.3	8.0	
		kBtu/h	13.6	17.1	21.5	27.3	
	Power input	W	49	115	115	115	
Airflow rate ³		m³/h	550/525/500/480/460/440/420	800/750/700/650/600/550/500			
Sound pressure lev	/el ⁴	dB(A)	40/39/38/38/37/36/36 43/42/41/41/39/38/38				
	Net dimensions ⁵ (WxHxD)	mm		990×660>	<203		
Indoor unit	Packed dimensions (WxHxD)	mm		1089×744	×296		
	Net/Gross weight	kg	27/33 28/34				
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ1	2.7	Φ9.53/	Φ15.9	
	Drain pipe	mm		OD Φ1	б		

Model			MI2-80DLDHN1	MI2-90DLDHN1	MI2-112DLDHN1	MI2-140DLDHN1	MI2-160DLDHN1	
Power supply			1 phase, 220-240V, 50/60Hz					
	C	kW	8.0	9.0	11.2	14.0	16.0	
Cooling ¹	Capacity	kBtu/h	27.2	30.7	38.2	47.8	54.6	
	Power input	W	130	130	180	180	288	
		kW	9.0	10.0	12.5	15.0	18.0	
Heating ²	Capacity	kBtu/h	30.7	34.1	42.7	51.2	61.4	
	Power input	W	130	130	180	180	288	
Airflow rate ³		m³/h	1280/1245/1210/1170/1130/1085/1050		1890/1830/1765/1700/1660/1620/1580		2300/2240/2180/2100/ 2005/1950/1800	
Sound pressure lev	/el ⁴	dB(A)	45/44/43/43/42/41/40		47/46/45/45/44/43/42 50/49/48/47/46		50/49/48/47/46/45/44	
	Net dimensions ⁵ (WxHxD)	mm	1280×6	60×203		1670×680×244		
Indoor unit	Packed dimensions (WxHxD)	mm	1379×7	44×296	1915×760×330			
Net/Gross weight	Net/Gross weight	kg	35,	/41	48/58			
	Liquid/Gas pipe	mm			Φ9.53/Φ15.9			
Pipe connections	Drain pipe	mm			OD Φ16			

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

3. Each model's 7 airflow rate options are listed in order, from highest to lowest.

4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Floor standing: Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.

Ceiling mounted: Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.

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

Specifications - AC Series 50Hz Series

Model			MDV-D36DL/N1-C(B)	MDV-D45DL/N1-C(B)	MDV-D56DL/N1-C(B)	MDV-D71DL/N1-C(B)		
Power supply				1 phase, 220-240V,50Hz				
Cooling ¹		kW	3.6	4.5	5.6	7.1		
Cooling	Input	W	49	120	122	125		
Heating ²	Capacity	kW	4	5	6.3	8		
rieating	Input	W	49	120	122	125		
Indoor fan Type				AC				
motor	Quantity		1					
Refrigerant type			R410A					
Airflow rate (H/M/	(L)	m³/h	650/570/500 800/600/500					
Sound pressure le	evel (H/M/L) ³	dB(A)	40/38/36 43/41/38					
	Dimension ⁴ (WxHxD)	mm		990×20)3×660			
Indoor unit	Packing (WxHxD)	mm		1089×2	96×744			
	Net/Gross weight	kg	26/32		28/34			
Piping connections	Liquid pipe	mm	Фб.	35	Ф9.	53		
	Gas pipe	mm	Φ1.	2.7	Φ15.9			
	Drain pipe	mm		ODO	D25			

Model			MDV-D80DL/N1-C(B)	MDV-D90DL/N1-C(B)	MDV-D112DL/N1-C(B)	MDV-D140DL/N1-C(B)		
Power supply			1 phase, 220-240V,50Hz					
Capacity		kW	8	9	11.2	14		
Cooling ¹	Input	W	130	130	182	182		
Heating ²	Capacity	kW	9	10	12.5	15		
	Input	W	130	130	182	182		
Indoor fan Type Quantity				A	C I			
			1		2			
Refrigerant type	1		R410A					
Airflow rate (H/M/	(L)	m³/h	1200/900/700		1980/1860/1730			
Sound pressure le	evel (H/M/L) ³	dB(A)	45/43/40		47/45/42			
	Dimension ⁴ (WxHxD)	mm	1280×	203×660	1670×244×680			
Indoor unit	Packing (WxHxD)	mm	1379×	296×744	1764×329×760			
	Net/Gross weight	kg	34.	5/41	54/59			
	Liquid pipe	mm		Φ9	9.53			
Piping connections	Gas pipe	mm		Φ1	015.9			
	Drain pipe	mm	OD		Φ25			

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Floor standing: Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.

Ceiling mounted: Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber. 4. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Indoor Units

Specifications - AC Series

60Hz Series

Model			MDV-D36DL/VN1-C(B)	MDV-D45DL/VN1-C(B)	MDV-D56DL/VN1-C(B)	MDV-D71DL/VN1-C(B	
Power supply				1 phase, 22	20-240V,60Hz		
Cooling ¹		kW	3.6	4.5	5.6	7.1	
Cooling	Input	W	50	148	148	148	
Lloatin a ²	Capacity	kW	4	5	6.3	8	
Heating ²	Input	W	50	148	148	148	
Indoor fan Type motor Quantity				A	C		
			1				
Refrigerant type			R410A				
Airflow rate (H/M	I/L)	m³/h	600/480/400	750/650/550	750/650/550	750/650/550	
Sound pressure l	evel (H/M/L) ³	dB(A)	40/38/36	43/41/38	43/41/38	43/41/38	
	Dimension⁴ (WxHxD)	mm		990×2	03×660		
Indoor unit	Packing (WxHxD)	mm		1089x2	96x744		
	Net/Gross weight	kg	26/32	28/34	28/34	28/34	
	Liquid pipe	mm	Фб.	35	Φ9.	53	
Pipe connections	Gas pipe	mm	Ф12	2.7	Φ15.9		
	Drain pipe	mm		OD	Φ25		

Model			MDV-D80DL/VN1-C(B)	MDV-D90DL/VN1-C(B)	MDV-D112DL/VN1-C(B)	MDV-D140DL/VN1-C(B)		
Power supply			1 phase, 220-240V,60Hz					
Cooling	Capacity	kW	8	9	11.2	14		
Cooling ¹	Input	W	183	183	245	245		
Llasting?	Capacity	kW	9	10	12.5	15		
Heating ²	Input	W	183	183	245	245		
Indoor fan			AC					
motor			1		2			
Refrigerant type	Refrigerant type		R410A					
Airflow rate (H/N	1/L)	m³/h	1200/900/700	1200/900/700	1980/1860/1730	1980/1860/1730		
Sound pressure I	level (H/M/L) ³	dB(A)	45/43/40	45/43/40	47/45/42	47/45/42		
	Dimension ⁴ (WxHxD)	mm	1280×	203×660	1670 x244x680			
Indoor unit	Packing (WxHxD)	mm	1379x	296x744	1764x3	329x760		
	Net/Gross weight	kg	34.5/41	34.5/41	54/59	54/59		
	Liquid pipe	mm		Ф9.	D9.53			
Pipe connections	Gas pipe	mm		Φ1	15.9			
	Drain pipe	mm		OD	Φ25			

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Floor standing: Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.

Ceiling mounted: Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.

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

Floor Standing



existing facilities in a variety of applications.

Key Features

Floor Standing	
	Quiet operation
Comfort	0.5°C/1°C setting temperature adjustment
Comion	Digital display on/off
	Buzzer sound on/off
Health	Air filter
nealth	Dirty filters indicator signal
Air flow	Adjustable ESP
AIT HOW	Multiple fan speeds
	Pure white stylish panel with slim design
Easy installation	Exposed installation, easy installation and main
	Multiple Appearance Options
Note:	

•: equipped as standard

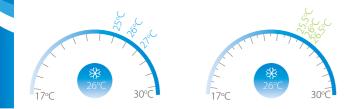
Floor standing unit with multi casing options can be installed quickly and easily in new or



COMFORT

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.



Digital Display On/Off

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



Buzzer Sound On/Off

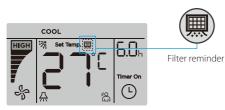
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



HEALTH

Dirty Filters Indicator Signal

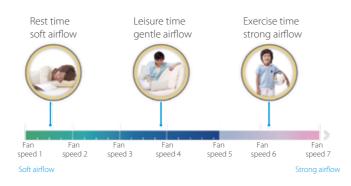
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

Multiple Fan Speeds

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



EASY INSTALLATION

Multiple Appearance Options

The Floor Standing Unit has three appearance options to meet different installation requirement, the F3B (concealed) unit is designed to be concealed in walls while the F4 (front air intake) and F5 (underside air intake) offer a choice of air intake options.





F4 (front air intake)



F5 (underside air intake)

Specifications - DC Series

Concealed

Model name			MI2-22F3DHN1(A)	MI2-28F3DHN1(A)	
Power supply			1 phase, 220-2	240V, 50/60Hz	
courte al	Capacity	kW	2.2	2.8	
Cooling	Power input	W	35	35	
2	Capacity	kW	2.4	3.2	
Heating ² Power input		W	35	35	
External static pressure Pa		Pa	0~60		
Air flow rate m ³ /h		m³/h	473/464/454/449/439/431/426	473/464/454/449/439/431/426	
Sound pressure leve	1 ³	dB(A)	36/35/34/33/31/30/29 36/35/34/33/31/30/2		
	Net dimensions (W×H×D)	mm	915×470×200	915×470×200	
ndoor unit	Packed dimensions (W×H×D)	mm	985×555×255	985×555×255	
	Net/Gross weight	kg	17.7/21.4	17.7/21.4	
Refrigerant type			R410A		
Pipe connections	Liquid/Gas side	mm	Φ6.4/Φ12.7	Φ6.4/Φ12.7	
	Drain piping	mm	Φ18.5	Φ18.5	

Model name			MI2-36F3DHN1(A)	MI2-45F3DHN1(A)	
Power supply			1 phase, 220-240V, 50/60Hz		
c t l	Capacity	kW	3.6	4.5	
Cooling ¹	Power input	W	40	44	
11	Capacity	kW	4	5	
Heating ²	Power input	W	41	46	
External static pressure Pa		0~60			
Air flow rate m ³ /h		524/503/488/471/450/427/408	636/611/584/557/533/507/483		
Sound pressure leve	³	dB(A)	37/36/35/34/32/31/30	37/36/35/34/32/31/30	
	Net dimensions (W×H×D)	mm	915×470×200	1133×470×200	
Indoor unit	Packed dimensions (W×H×D)	mm	985×555×255	1205×555×255	
	Net/Gross weight ko		18.3/22.1	21.4/25.8	
Refrigerant type		R410A			
Pipe connections	Liquid/Gas side	mm	Φ6.4/Φ12.7	Φ6.4/Φ12.7	
	Drain piping	mm	Ф18.5	Φ18.5	

Model name			MI2-56F3DHN1(A)	MI2-71F3DHN1(A)	MI2-80F3DHN1(A)	
Power supply			1 phase, 220-240V, 50/60Hz			
c	Capacity	kW	5.6	7.1	8	
Cooling ¹	Power input	W	45	53	62	
	Capacity	kW	6.3	8	9	
Heating ²	Power input	W	47	57	64	
External static pressure Pa		0~60				
Air flow rate m ³ /h		781/756/738/717/683/651/624	928/893/865/834/803/770/739	928/893/865/834/803/770/739		
Sound pressure leve	1 ³	dB(A)	41/39/37/35/33/32/31	44/42/40/39/37/35/33	44/42/40/39/37/35/33	
	Net dimensions (W×H×D)	mm	1253×566×200	1253×566×200	1253×566×200	
Indoor unit	Packed dimensions (W×H×D)	mm	1325×650×255	1325×650×255	1325×650×255	
	Net/Gross weight	kg	25.5/31.2	27.3/33.0	27.3/33.0	
Refrigerant type		R410A				
Pipe connections	Liquid/Gas side	mm	Φ6.4/Φ12.7	Φ9.5/Φ15.9	Φ9.5/Φ15.9	
	Drain piping	mm	Φ18.5	Φ18.5	Ф18.5	

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. Fan motor speed and air flow rate are from the highest to the lowest, total 7 rates for each model.
 Sound pressure level is from highest level to lowest level, total 7 levels for each model. semi-anechoic chamber.

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

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Indoor Units

Specifications - DC Series

Exposed

Model name			MI2-22F4DHN1(A)	MI2-28F4DHN1(A)	
-			MI2-22F5DHN1(A)	MI2-28F5DHN1(A)	
Power supply			1 phase, 220-	240V, 50/60Hz	
Cooling ¹	Capacity	kW	2.2	2.8	
Cooling	Power input	W	35	35	
llestin 2	Capacity	kW	2.4	3.2	
Heating ²	Power input	W	35	35	
External static pressure		Pa (F4)	0-	-10	
external static pressure		Pa (F5)	0-	-10	
Air flow rate		m³/h	507/490/482/466/449/450/435	507/490/482/466/449/450/435	
		m³/h	498/486/475/464/453/441/430	498/486/475/464/453/441/430	
Sound pressure level ³		dB(A)(F4)	39/38/37/37/36/36/35	39/38/37/37/36/36/35	
sound pressure level		dB(A)(F5)	37/37/36/36/36/35/35	37/37/36/36/36/35/35	
	Net dimensions (W×H×D)	mm (F4)	1020×495×200	1020×495×200	
	Net differisions (WXLIXD)	mm (F5)	1020×495×200	1020×495×200	
Unit	Packed dimensions (W×H×D)	mm (F4)	1125×595×285	1125×595×285	
Unit	Facked differisions (WXTIXD)	mm (F5)	1125×595×285	1125×595×285	
	Not/Gross weight	kg (F4)	22.5/29.3	22.5/29.3	
Net/Gross weight		kg (F5)	22.5/28.2	22.5/28.2	
Refrigerant type			R410A		
Pipe connections	Liquid/Gas side	mm	Φ6.4/Φ12.7	Φ6.4/Φ12.7	
ripe connections	Drain piping	mm	Φ18.5	Φ18,5	

Model name			MI2-36F4DHN1(A)	MI2-45F4DHN1(A)	
Model Hallie			MI2-36F5DHN1(A)	MI2-45F5DHN1(A)	
Power supply			1 phase, 220-1	240V, 50/60Hz	
Cooling ¹	Capacity	kW	3.6	4.5	
Cooling	Power input	W	40	44	
Heating ²	Capacity	kW	4	5	
Heating	Power input	W	41	46	
Sytemal static process		Pa (F4)	0-	-10	
External static pressure	<u>.</u>	Pa (F5)	0-10		
Air flow rate		m³/h	532/512/501/483/466/435/414	689/663/639/608/575/560/526	
		m³/h	508/491/474/458/441/424/407	692/665/637/610/582/555/528	
		dB(A)(F4)	39/39/38/37/35/34/33	44/43/42/41/40/39/37	
Sound pressure level ³		dB(A)(F5)	38/38/37/36/36/35/34	41/40/39/38/37/36/35	
	Net dimensions (W×H×D)	mm (F4)	1020×495×200	1240×495×200	
	INEL dIMENSIONS (WXHXD)	mm (F5)	1020×495×200	1240×495×200	
Jnit	Packed dimensions (W×H×D)	mm (F4)	1125×595×285	1345×595×285	
JTIIL	Packed dimensions (WXHXD)	mm (F5)	1125×595×285	1345×595×285	
	Net/Carescusielet	kg (F4)	23.3/30.0	27.7/34.3	
Net/Gross weight		kg (F5)	23.3/29.0	27.7/33.8	
Refrigerant type			R410A		
)ing connections	Liquid/Gas side	mm	Φ6.4/Φ12.7	Φ6.4/Φ12.7	
Pipe connections	Drain piping	mm	Φ18.5	Φ18.5	

Model name			MI2-56F4DHN1(A)	MI2-71F4DHN1(A)	MI2-80F4DHN1(A)	
Model name			MI2-56F5DHN1(A)	MI2-71F5DHN1(A)	MI2-80F5DHN1(A)	
Power supply				1 phase, 220-240V, 50/60Hz		
Castinal	Capacity	kW	5.6	7.1	8	
Cooling	Power input	W	45	53	62	
Heating ²	Capacity	kW	6.3	8	9	
Heating	Power input	W	47	57	64	
Extornal static prossure		Pa (F4)		0-10		
External static pressure Pa		Pa (F5)	0-10			
Air flow rate -		m³/h	934/904/888/860/821/786/7	1054/1011/992/955/924/88	1054/1011/992/955/924/88	
		m³/h	811/785/759/732/706/680/6	930/895/860/825/790/755/7	930/895/860/825/790/755/7	
Sound pressure level ³		dB(A)(F4)	43/43/42/42/41/40/40	47/46/45/45/44/43/43	47/46/45/45/44/43/43	
sound pressure level		dB(A)(F5)	39/38/38/38/37/37/36	41/40/40/39/38/38/37	41/40/40/39/38/38/37	
	Net dimensions (W×H×D)	mm (F4)	1360×591×200	1360×591×200	1360×591×200	
		mm (F5)	1360×591×200	1360×591×200	1360×591×200	
Unit	Packed dimensions (W×H×D)	mm (F4)	1465×695×285	1465×695×285	1465×695×285	
UTIIL		mm (F5)	1465×695×285	1465×695×285	1465×695×285	
	Net/Gross weight	kg (F4)	31.8/41.3	34.5/43.3	34.5/43.3	
	Net/Gloss weight	kg (F5)	31.8/39.7	34.5/42.3	34.5/42.3	
Refrigerant type				R410A		
Pipe connections	Liquid/Gas side	mm	Φ6.4/Φ12.7	Φ9.5/Φ15.9	Φ9.5/Φ15.9	
ripe connections	Drain piping	mm	Φ18.5	Φ18.5	Φ18.5	

Notes:

Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

3. Fan motor speed and air flow rate are from the highest to the lowest, total 7 rates for each model. 4. Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured at 1 m in front of the unit and at a height of 1.5 m in a semi-anechoic chamber.

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



Integrated with ventilation and air processing, combining fresh air treatment and air conditioning via single system.

Key Features

Fresh Air Processing Unit		DC Series with large airflow	DC Series with small airflow
	100% fresh air processing unit	•	•
	Discharge Air temperature control	•	•
Comfort	Quiet operation	•	•
Comfort	0.5°C/1°C setting temperature adjustment	•	•
	Digital display on/off	•	•
	Buzzer sound on/off	•	•
Health	Air filter	● ○ (G3-class)	● (G3-class)
	Dirty filters indicator signal	•	•
Air flow	Adjustable ESP	20-steps	20-steps
AIT HOW	Multiple fan speeds	7+auto	7+auto
	Wide operation range	-10~43°C	-10~50°C
Easy installation	Flexible duct design	•	•
	High-lift water pump box	0	0

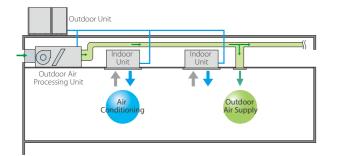
•: equipped as standard; o: customization option;

COMFORT

100% Fresh Air Processing Unit

Both fresh air filtration and heating/cooling can be achieved in a single system.

Indoor units and the Fresh Air Processing Unit can be connected to the same refrigerant system, increasing design flexibility and greatly reducing total system costs.



Discharge Air Temperature Control

Different from the normal indoor unit adopts return air temperature control, the fresh air processing unit adopts discharge air temperature control, thereby reducing the air conditioning load.

Target return air temperature control



Target discharge air temperature control

Digital Display On/Off

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



Buzzer Sound On/Off

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



HEALTH

Optional G3-class Air Filter

G3-class filter is optional for Fresh Air Processing Unit installation. Filtering effect of the G3-class filter reaches up to 80%-90% against coarse dust (particle size > 10 μ m), creating a cleaner living environment.

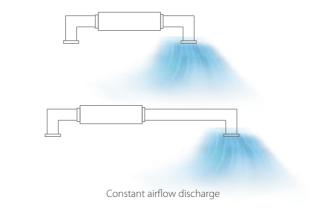


The optional filter comply with EN779:2012

AIR FLOW

Static Pressure 20 Steps Control

Depending on the installation environment, Medium Static Pressure Duct is controlled the static pressure up to 20 steps via wired remote controller, for providing comfortable environment suitable for any environment.



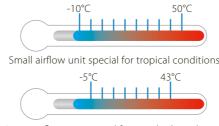


20 steps static pressure control

EASY INSTALLATION

Wide Operation Range

The Fresh Air Processing Unit can be installed practically anywhere. The unit operates at outdoor ambient up to 50°C in cooling mode and down to -10°C in heating mode.



Large airflow unit special for standard conditions

Specifications - DC Series (with large airflow)

Model		MI2-125FADHN1	MI2-140FADHN1	MI2-200FADHN1		
Power supply			1-phase, 220-240V, 50/60Hz			
	Creatity	kW	12.5	12.5 14.0		
Cooling ¹	Capacity	kBtu/h	42.6	47.8	68.2	
	Power input	W	480	480	850	
		kW	10.5	12.0	12.8	
Heating ²	Capacity	kBtu/h	36.0	41.0	43.7	
	Power input	W	480	480	850	
Airflow rate ³		m³/h	2000/1917/1833/1750/1667/1583/1500		3000/2833/2667/2500/2333/2167/2000	
External static	External static pressure P		150(100~250)		200(100~400)	
Sound pressu	ire level ⁴	dB(A)	48/47/46/45/44/43/42		50/49/48/47/46/44/43	
	Net dimensions ⁵ (WxHxD)	mm	1322×	423×691	1454×515×931	
Indoor unit	Packed dimensions (WxHxD)	mm	1436×450×768 1509×550		1509×550×990	
	Net/Gross weight	kg	68	/76	130/142	
Pipe	Liquid/Gas pipe	mm	Ф9.53	y/Ф15.9	Φ12.7/Φ22.2	
connections	Drain pipe	mm	OD	Φ25	OD	
Operating ten	nperature range	°C	Heatir	ng: -5 to 16; Cooling: 20 to 43; Fan only: 1	6 to 20	

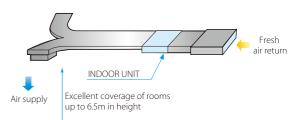
1. Outdoor temperature 33°C DB, 28°C WB;equivalent refrigerant piping length 7.5m with zero level difference. 2. Outdoor temperature 0°C DB, -2.9°C WB;equivalent refrigerant piping length 7.5m with zero level difference. 3. Each model's 7 airflow rate options are listed in order, from highest to lowest.

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

All specifications are measured at standard external static pressure. The Fresh Air Processing Unit can be used either independently or in conjunction with other types of indoor unit. If used independently, the total capacity of the Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units. If used in conjunction with other types of indoor unit, the total capacity of the indoor units and Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units and the total capacity of the Fresh Air Processing Units must not exceed 30% of that of the outdoor units.

Flexible Duct Design

Fresh Air Processing Unit supplies a wide static pressure from 30Pa to 400Pa which can support short to long duct with high ceiling air supply.



Specifications - DC Series (with large airflow)

Model			MI2-250FADHN1	MI2-280FADHN1	MI2-450FADHN1	MI2-560FADHN1	
Power supply			1-phase, 220-240V, 50/60Hz				
		kW	25.0	28.0	45.0	56.0	
Cooling ¹	Capacity	kBtu/h	85.3	95.5	153.6	191.1	
	Power input	W	850	850	1080	2272	
	Guide	kW	16.0	18.0	28.0	39.0	
Heating ²	Capacity	kBtu/h	54.6	61.4	95.6	133.1	
	Power input	W	850	850	1080	2272	
Airflow rate ³ m ³ /		m³/h	3000/2833/2667/2500 /2333/2167/2000		4200/3967/3733/3500 /3267/3033/2800	6000/5665/5330/5000 /4665/4330/4000	
External static	pressure	Pa	200(100~400)		300(100~ 400)	300(100~ 400)	
Sound pressu	re level ⁴	dB(A)	50/49/48/47/46/44/43		58/56/55/53/51/49/48	59/57/56/55/53/51/50	
	Net dimensions ⁵ (WxHxD)	mm	1454×5	15×931	2010×680×905	2010×680×905	
ndoor unit	Packed dimensions (WxHxD)	mm	1509×5	50×990	2095×800×964	2095×800×964	
ndoor unit	Net/Gross weight	kg	130	/142	195/215	218/248	
Pipe	Liquid/Gas pipe	mm	Ф12.7	/Φ22.2	Φ15.9/Φ28.6	Φ15.9/Φ28.6	
connections	Drain pipe	mm		OD	Ф32		
Operating tem	nperature range	°C		Heating: -5 to 16; Cooling:	20 to 43; Fan only: 16 to 20		

Notes:

1. Outdoor temperature 33°C DB, 28°C WB;equivalent refrigerant piping length 7.5m with zero level difference.

2. Outdoor temperature 0°C DB, -2.9°C WB;equivalent refrigerant piping length 7.5m with zero level difference.

3. Each model's 7 airflow rate options are listed in order, from highest to lowest.

4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).

Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.

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

All specifications are measured at standard external static pressure.

The Fresh Air Processing Unit can be used either independently or in conjunction with other types of indoor unit. If used independently, the total capacity of the Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units. If used in conjunction with other types of indoor unit, the total capacity of the indoor units and Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units and the total capacity of the Fresh Air Processing Units must not exceed 30% of that of the outdoor units.

Specifications - DC Series (with small airflow)

			1	1	1	
Model			MI2-140FADHN1-S	MI2-224FADHN1-S	MI2-280FADHN1-S	
Power supply			1-phase, 220-240V, 50/60Hz			
		kW	14.0	22.4	28.0	
Cooling ¹	Capacity	kBtu/h	47.8	76.4	95.5	
	Power input	W	150	250	300	
		kW	8.9	13.9	17.4	
Heating ²	Capacity	kBtu/h	30.4	47.4	59.4	
Power input		W	150	250	300	
Airflow rate ³ m ³ /h		1080/1035/990/945/900/855/810	1680/1583/1487/1390/1293/1197/1100	2100/2030/1960/1890/1820/1750/1680		
External static	External static pressure ⁴ Pa		180 (30~250)	220 (100~350)	200 (100~400)	
Sound pressur	e level ^s	dB(A)	42/41/40/39/38/37/36	47/46/45/44/43/42/40	47/46/45/45/44/43/42	
	Net dimensions (W×H×D)	mm	1150×457×970	1270×490×1100		
Indoor unit	Packed dimensions (W×H×D)	mm	1285×470×1095	1415×51	5×1235	
	Net/Gross weight kg		67/80	81/	97	
Pipe	Liquid/Gas pipe	mm	Φ9.5/Φ15.9	Φ12.7/	Φ22.2	
connections	Drain pipe mm OD Φ25		OD Ф33			
Operating terr	nperature range	°C	Heating: -10 to 16; Cooling: 20 to 50; Fan only: 5 to 43			

Notes:

1. Outdoor temperature 33°C DB, 28°C WB;equivalent refrigerant piping length 7.5m with zero level difference. 2. Outdoor temperature 0°C DB, -2.9°C WB;equivalent refrigerant piping length 7.5m with zero level difference.

3. Each model's 7 airflow rate options are listed in order, from highest to lowest.

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

All specifications are measured at standard external static pressure.

The Fresh Air Processing Unit can be used either independently or in conjunction with other types of indoor unit. If used independently, the total capacity of the Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units. If used in conjunction with other types of indoor unit, the total capacity of the indoor units and Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units and the total capacity of the Fresh Air Processing Units must not exceed 30% of that of the outdoor units.

Midea DX Modular Air Handling Unit

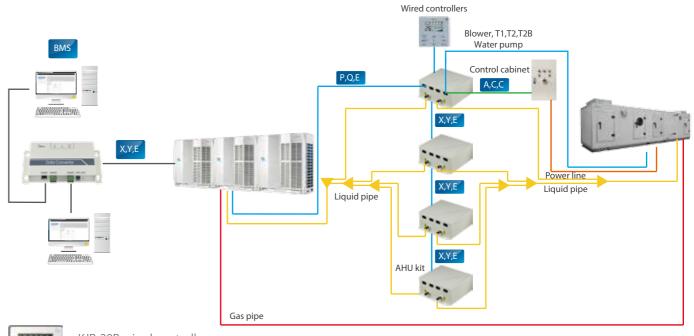


Function Specifications

unction Section	Size (mm)	
ir inlet	Section length = 600	1. Patented chassis st rue
rimary filter	Section length = 100	Interior uses hig aluminium mate
ub-Hepa filter	Standard bag length = 381, section length = 500	Split-type with s from composite
)X coil	Section length = 600/800	2. High performance hea
lectric heating	Section length = 300	
lectrostatic dedusting	Section length = 400	- A
lumidifying	/	3. High efficiency centrif
an	/	
ligh efficiency filter	Section length = 500	
low equalization	Section length = 700	4. Inclining drain pan for
loise reduction	Section length = 600	

Control Systems

The DX Modular Air Handling Unit should be used together with Midea DX AHU Control Box.





KJR-29B wired controller:

1. The wired controller features multiple modes, timed on/off, and temperature setting;

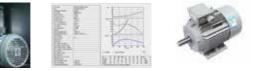
Starter panel:

2. Thermal relay protection, emergency stop, and status indicator;

3. Fire alarm and fire control linkage.



ifugal fan and high quality motor for optimal working point and efficiency of the fan



or quick condensate drainage



2. Alarm and real-time monitoring ensures reliable operation of the unit.

1. Manual/automatic switch, remote control and motor speed control (DC motor);

Control System Customization

Features of control products			Constant temp. and humidity	Purifying	Fresh air pretreatment
	Cooling and h	leating type	Cooling-only/Heat pump	Cooling-only/Heat pump	Cooling-only/Heat pump
	Control	object	Return air	Return air	Fresh air
		Scope	17°C~26°C	17°C~26°C	/
6 I	Temp.	Accuracy	Cooling-only ±1°C / Heat pump ±2°C	±2°C	/
Control accuracy		Scope	17°C~26°C	17°C~26°C	/
	Humidity	Accuracy	±5%	±10%	/
	Mast	er controller type	PLC or DDC	SCM	SCM
	O	perating mode	Auto/Cool/ Heat/Fan	Auto/Cool/ Heat/Fan	Cool/Heat/ Fan
	Au	itomatic on/off	Yes	Yes	Yes
	RS48	5 monitoring port	Yes	Yes	Yes
	ODU powe	er supply circuit breaker	None	Yes	None
	Dis	infection device	Optional	No	None
	Man- machine interface		Resistance touchscreen	LCD wired controller	LCD wired controller
		Туре		25s	255
		Local touchscreen	7" (default)	None	None
		External touchscreen	None	No	None
	Monitoring dry contact	Remote start/stop	Yes	Yes	Yes (75HP and larger)
		Operating status indicator	Yes	Yes	None
Control cabinet		Fault status indicator	Yes	Yes	None
		Fire damper interlock	Yes	Yes	Yes
		Fire-fighting monitoring interlock	Yes	Yes	Yes
		Exhaust fan	Yes	Yes	No
	Interlocked	Wheel heat recovery interlock	Yes	No	No
	passive dry	Wheel dehumidifier interlock	Yes	No	No
	contact	Ozone disinfection	Yes	No	No
		UV disinfection	Yes	No	No
		Electrostatic precipitator	Yes	No	No
	Protection Functions	Air flow failure protection (Including differential pressure switch)	Yes	Yes	Yes
		Electric heater over-tem perature power-off protection	Yes	Yes	Yes (configured when unit with e-heater is available)
		Primary/Medium/High efficiency filter alarm (excluding differential pressure switch)	Yes	Yes	None
		Hot water coil anti-freezing switch	Optional	No	None
		Steam heating overheating protection	Optional	No	None
		Emergency stop button	Cabinet door	Cabinet door + AHU cabinet	None

Air cleaning option

HEPA filter



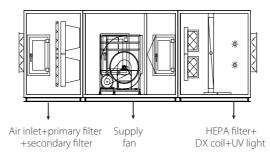


Photocatalyst filter



Solution 1:

Applicable for all fresh air purposes for ordinary cases.

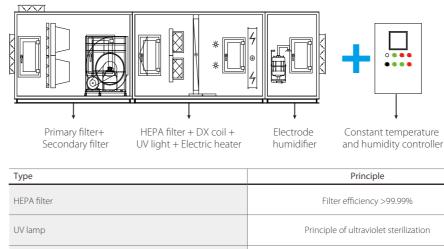


Solution 2:

Photocatalyst filter

Electrostatic filter

Applicable for hospitals, clinics and temporary hospitals.



Note:

The above listed are standard configurations for product control. For custom requirements, consult Midea.

UV lamp



Electrostatic filte





Principle	Advantage
Filter efficiency >99.99%	Large pressure loss
Principle of ultraviolet sterilization	High bactericidal properties
Photochemical decomposition and oxidation technology	High efficient way of sterilization and removal of gaseous pollutants and odour
High voltage electrostatic adsorption	Highly efficient way of dust removal and sterilization

Function Selections

Name		Standard	Customized			
	Thickness	25mm	50mm			
Panel	Innet Skin	0.5mm,Galvanized Steel	Stainless Steel(Thickness:0.5/0.7/1.0), Pre-coated Steel(Thickness:0.5/1.0)			
	Outer Skin	0.5mm,Pre-coated Steel	Stainless Steel(Thickness:0.5/0.7/1.0)			
	Fin Material	Aluminium	Hydrophilic AL			
	Header Material	Seamless Steel Tube	Copper Tube			
	Coil Frame	Gl	SUS304			
Coil	Has Moisture Eliminator	×	AL Grid,AL,Stainless Steel			
	Drain Pan Material	GL Spray	SUS304			
	Steam Heater	Steel Pipe	Stainless Steel Pipe			
	Accessories	×	UV Lamp,Flange components,Thermometer,Hygrothermograph,U Trap,			
	Motor Brand	BeiDe	WanNan,Siemens,WEG,ABB, Non-Standard Motor Brand			
Motor	Frequency Type	Single Speed	Variable Frequency Motor,Explosion-Proof Motor ,EC motor, Double speed motor			
	Efficiency	IE3	IE4			
	Accessories	×	Belt guard, Winding protection, NSK/SKF bearing			
	Blower Brand	Yilida	Kruger,Wolter,Ebm-Papst EC Fan,Comefri Plug Fan,Aiehl-abegg Plug Fan,Non- Standard Blower Brand			
Fan	Blade Type	Forward Curved	Backward curved,Airfoil,Explosion-proof,Plug Fan			
	Accessories	×	NSK/SKF bearing,Pressure Switch,Thermometer,Hygrothermograph,Star-delta starting ark,Frequency Converter,EC fan air flow controller,EC fan junction box,Inl grid			
Humidiffer	Humidifier Type	×	Evaporative Humidifier,Water Spray Humidifier,Water Mist Humidifier,Electrode Boiler Humidifier,Electrical Heating Element Humidifier,Dry Steam Humidifier,Wa Spray,			
	Accessories	×	UV lamp, Thermometer, Hygrothermograph, Humidity Transmitter			
	Filter Brand	×	G2~H14			
	Filter Frame	G2~G4:AL,More thanF5:Galvanized Steel	AL			
Filter	Frame Material	Galvanized Steel	Stainless Steel			
	Special filter	×	Chemical filter,UV lamp,Air Purifier,Photocatalyst filter			
	Accessories	×	Manometer,Pressure Switch			
Elements I leader	Heater Type	PTC				
Electric Heating	Accessories	×	Thermometer			
	Device type	×	Heat Wheel,Heat Plate,Heat pipe,			
Heat Recovery	Accessories	×	Pressure Switch,Thermometer			
Silencer	Silencer Type	Resistance Type	Silencer Size:400mm,700mm,1000mm			
	General customization	×	Direct Starting ark,Star-delta Starting Ark,Frequency Converter			
controller	Non-standard custom	×	Constant temperature and humidity control cabinet,Constant temperature cont cabinet,Humidity control cabinet,MBS,etc.			
	Accessories	×	VSD,Water Valve			
	Anti-corrosion customization	spray	SUS Fastener,Nano protective coating for coil			
Other	Unit Base	Base Height:80mm	100mm,160mm,200mm			
Others	Outdoor Location	×	Has Roof,Tuyere shutter			
	Accessories	×	Lamp,Lamp Control Box,Inspection Window,GL Damper,AL Damper,Danper Han			

Parameters of Air-cooled DX Constant Temperature/Purifying Unit

Model	IDU air flow	r (m³/h)	1400	2400	5000	6000	7500	10000	12000	15000	18500	23500	28000	34500
	IDU model	IDU model (modulus)		0608	0810	0813	1013	1115	1117	1218	1521	1622	1923	2026
System	Rated cooling capacity (kW)		7.5	15	25.5	30	41	52	62	79	104	124	156	186
parameters	Rated heatir	ng capacity (kW)	8	16	28.5	34.1	44	55	68	83	110	136	165	204
0011	Compressor		Enhanced vapour injection DC inverter scroll compressor											
ODU	Throttling m	node	Electronic expansion valve											
Refrigerant	R410A charge amount (kg)		2.1	2.1×2	3.4×2	3.6×2	4.35×2	6.7×2	7.2×2	4.35×4	6.7×4	7.2×4	6.7×6	7.2×6
	Connection	methods	Welding or flaring connection											
Connecting pipe	Dimension	Liquid pipe(mm)	Ø6.35	Ø6.35×2	Ø9.52×2	Ø9.52×2	Ø12.7×2	Ø12.7×2	Ø12.7×2	Ø12.7×4	Ø12.7×4	Ø12.7×4	Ø12.7×6	Ø12.7×6
	Dimension	Gas pipe(mm)	Ø15.9	Ø15.9×2	Ø15.9×2	Ø15.9×2	Ø19.1×2	Ø22.2×2	Ø25.4×2	Ø19.1×4	Ø22.2×4	Ø25.4×4	Ø22.2×6	Ø25.4×6

Notes: 1. Rated cooling capacity is measured under nominal air flow conditions with an indoor dry bulb/wet bulb temperature of 24/17°C and an outdoor dry bulb/wet bulb temperature of 35/24°C. 2. Rated heating capacity is measured under nominal air flow conditions with an indoor dry bulb/wet bulb temperature of 20/15°C and an outdoor dry bulb/wet bulb temperature of 7/6°C. 3. Performance test for piping conditions: the equivalent refrigerant pipe is 7.5m long. 4. The ODU carries R410A when delivered from the factory. During installation and based on the liquid pipe length, the correct amount of refrigerant should be added. 5. Matched ODUs: VRF series such as VS series, V6 series, See the manual for specific ODU specifications.

Parameters of Air-cooled DX Fresh Air Handling Unit

	IDU air flow (m³/h)		2450	3000	4000	5000	7000	8000	10000	14000	
Model	IDU model (modulus)		0610	0711	0813	0814	1015	1017	1119	1319	
C	Rated cooling capacity (kW)		25.5	30	41	51	61	81	105	121	
System parameters	Rated heating capacity (kW)		28.5	34.1	41.5	55	68	83	110	135	
0011	Compressor		Enhanced vapour injection DC inverter scroll compressor								
ODU	Throttling m	ode	Electronic expansion valve								
Refrigerant	R410A charg	e amount (kg)	3.4×2	3.6×2	4.35×2	6.7×2	7.2×2	4.35×4	6.7×4	7.2×4	
	Connection methods			Welding or flaring connection							
Connecting pipe	Dimension	Liquid pipe(mm)	Ø9.52×2	Ø9.52×2	Ø12.7×2	Ø12.7×2	Ø12.7×2	Ø12.7×4	Ø12.7×4	Ø12.7×4	
	Dimension	Gas pipe(mm)	Ø15.9×2	Ø15.9×2	Ø19.1×2	Ø22.2×2	Ø25.4×2	Ø19.1×4	Ø22.2×4	Ø25.4×4	

Notes:
 Rated cooling capacity is measured under nominal air flow conditions with an outdoor dry bulb/wet bulb temperature of 34/28°C.
 Rated heating capacity is measured under nominal air flow conditions with an outdoor dry bulb/wet bulb temperature of 7/6°C (no frost).
 Performance test for piping conditions: the equivalent refrigerant pipe is 7.5m long; The ODU carries R410A when delivered from the factory. During installation and based on the liquid pipe length, the correct amount of refrigerant should be added.
 Operating temperature: cooling; 20°C to 43°C; heating: -5°C to +16°C.
 Matched ODUs: VRF series such as V5 series, V6 series. See the manual for specific ODU specifications.

HRV

Heat Recovery Ventilator (HRV)

Wide Capacity Range

The HRV has AC Series and DC Series options. The airflow is from 200m³/h to 2000m³/h which can meet the requirements of most scenarios.



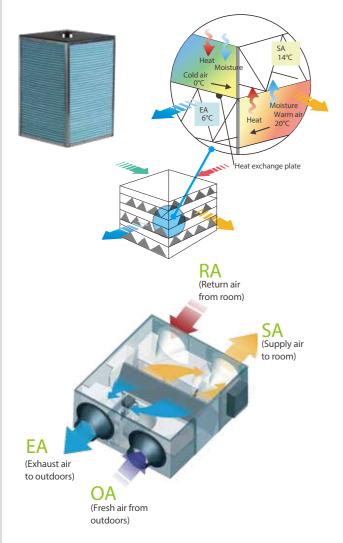


200/300/400/500/800/1000m3/h

1500/2000m³/h

Energy Saving, Heat Recovery for Both Heat and Humidity

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

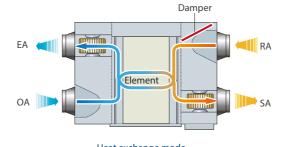


Multiple Operation Modes

Multiple operation modes: Auto, Bypass, Heat recovery, Free cooling mode (available for DC Series Only), Air supply mode and Exhaust mode (available for AC Series Only).

Heat exchange mode

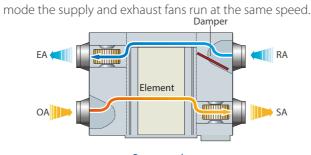
The flows of incoming and outgoing air pass close to each other, allowing heat transfer between the two channels. During summer, incoming air is cooled by the indoor air being exhausted and in winter, incoming air is warmed.



Heat exchange mode

Bypass mode

In mild climates or seasons, where temperature and humidity differences between indoors and outdoors are small, the HRV can work as a conventional ventilation fan. In standard bypass



Bypass mode

Air supply mode

Air supply mode is where the supply fan is set to run faster than the exhaust fan, which is useful in mild climate installations with high fresh air ventilation requirements.

Exhaust mode

Exhaust mode is where the exhaust fan is set to run faster than the supply fan, which is useful in mild climate installations with large amounts of exhaust air to be expelled.

Auto mode

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

Free Cooling Mode

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



High Efficiency Filter

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

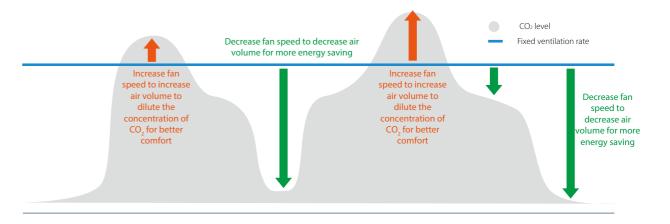




M5-class filter

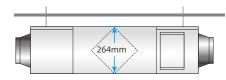
CO₂ Sensor Option

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



Easy Installation

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



Wide Range of Controllers

The HRV has its special wired controller KJR-27B for standard functions control and compatible with group controller WDC-120G/WK for new functions (CO2 sensor function, differential pressure sensor function) control. It also can be centralized control with VRF system through centralized controller and network control with VRF system through Midea BMS gateways.



HRV

HRV

Specifications - DC Series

Model		HRV-D200(B)	HRV-D300(B)	HRV-D400(B)	HRV-D500(B)		
Power supply		1-phase, 220-240V~50Hz					
Input power (H/M/L)(F7+M5)	W	80/40/25	100/55/35	110/70/40	150/95/50		
Nominal Temperature Efficiency (standard G4) (H/M/L)	%	79.5/81.1/83.5	75.5/78.8/82.5	77.7/79.0/81.3	80.6/82.2/85.5		
Nominal Enthalpy Efficiency (standard G4) (H/M/L)	%	75.0/77.5/79.6	72.1/75.0/79.3	73.5/75.3/78.0	74.0/76.6/80.5		
Nominal Temperature Efficiency (F7+M5) (H/M/L)	%	81.8/85.4/87.5	80.4/81.8/83.5	79.2/81.1/83.3	77.2/79.4/82.5		
Nominal Enthalpy Efficiency (F7+M5) (H/M/L)	%	81.2/83.1/85.0	79.4/81.2/84.0	79.6/81.8/84.2	72.3/75.6/78.6		
Fresh air external static pressure (H speed +F7+M5)	Pa	75	70	70	65		
Discharge air external static pressure (H speed +F7+M5)	Pa	100	110	110	110		
Nominal air flow	m³/h	200	300	400	500		
Sound pressure level (H/M/L)	dB(A)	33/29.5/25.5	36.5/33.5/30	36.5/32/28	36/30.5/24.5		
Sound power level (H)	dB	45	48	48	50		
Net dimensions (WxDxH)	mm	1195×801×272	1195×914×272	1276×1204×272	1311×1106×390		
Packed dimensions (WxDxH)	mm	1275×880×420	1275×994×420	1360×1284×420	1390×1244×540		
Net/Gross weight	kg	53.6/63.5	59/75.5	71.5/91.5	74.4/98		
Duct diameter	mm	Ф144	Ф144	Φ198	Φ244		
Operating temperature range	°C		-7 to 43 DB, R	H 80% or lower			

Model	HRV-D800(B)	HRV-D1000(B)	HRV-D1500(B)	HRV-D2000(B)				
Power supply		1-phase, 220-240V~50Hz						
Input power (H/M/L)(F7+M5)	W	320/170/80	420/230/100	680/320/200	950/500/230			
Nominal Temperature Efficiency (standard G4) (H/M/L)	%	78.7/82.1/86.8	82.8/84.0/87.4	75.5/78.6/80.2	77.2/79.5/83.4			
Nominal Enthalpy Efficiency (standard G4) (H/M/L)	%	72.3/75.4/79.0	76.0/76.0/80.1	69.4/71.2/74.8	74.7/77.0/80.6			
Nominal Temperature Efficiency (F7+M5) (H/M/L)	%	74.9/77.1/80.8	75.4/78.0/81.4	83.8/84.6/86.2	78.8/80.5/83.4			
Nominal Enthalpy Efficiency (F7+M5) (H/M/L)	%	71.1/74.4/78.0	67.3/71.1/75.0	74.6/76.2/78.8	71.1/75.0/79.6			
Fresh air external static pressure (H speed +F7+M5)	Pa	100	110	150	160			
Discharge air external static pressure (H speed +F7+M5)	Pa	155	145	180	180			
Nominal air flow	m³/h	800	1000	1500	2000			
Sound pressure level (H/M/L)	dB(A)	42/39/34	44/39/33.5	51.5/46.5/41.5	53/48.5/42.5			
Sound power level (H)	dB	55	54	69	70			
Net dimensions (WxDxH)	mm	1311×1286×390	1311×1526×390	1740×1375×615	1811×1575×685			
Packed dimensions (WxDxH)	mm	1390×1424×540	1390×1670×540	1830×1520×770	1900×1720×845			
Net/Gross weight	kg	80/104	90/112	181.5/213	208.5/245			
Duct diameter mm		Ф244	Ф244	346×326	346×326			
Operating temperature range °C			-7 to 43 DB, RH 80% or lower					

Note:

For the units model of HRV-D200(B)~HRV-D2000(B), there are 3-speed adjustable air-volume (Hi, Med, Low).
 The parameters in the above table are measured at high speed.

Specifications - AC Series

Model		HRV-200	HRV-300	HRV-400	HRV-500	
Power supply	Power supply			1-phase, 220-240V~50Hz & 1-phase, 220V~60Hz	1-phase, 220-240V~50Hz	
Cooling temp. exchange efficiency (H/M/L)	%	55/55/60	55/55/60	55/55/60	55/55/60	
Cooling enthalpy exchange efficiency (H/M/L)	%	50/50/55	50/50/55	50/50/55	50/50/55	
Heating temp. exchange efficiency (H/M/L)	%	60/60/65	60/60/65	60/60/65	65/65/70	
Heating enthalpy exchange efficiency (H/M/L)	%	55/55/60	55/55/60	60/60/65	60/60/65	
Sound pressure level in heat exchange mode (H/M/L)	dB(A)	27/26/20	30/29/23	32/31/25	35/34/28	
Sound pressure level in bypass mode (H/M/L)	dB(A)	28/27/22	31/30/25	33/32/27	36/35/30	
Airflow rate (H/M/L)	m³/h	200/200/150	300/300/225	400/400/300	500/500/375	
External static pressure (H/M/L)	Pa	75/58/35	75/60/40	80/65/43	80/68/45	
Motor type		AC				
Duct diameter	mm	Ф144	Ф144	Ф144	Ф194	
Net dimensions (WxDxH)	mm	866×655×264	944×722×270	944×927×270	1038×1026×270	
Packed dimensions (WxDxH)	mm	960×770×445	1020×810×452	1020×1020×452	1120×1120×452	
Net weight	kg	23	26	31	41	
Gross weight	kg	40	44	52	64	
Operating temperature range	°C	-7 to 43 DB, RH 80% or lower				

Model		HRV-800	HRV-1000	HRV-1500	HRV-2000		
Power supply		1-phase, 220-240V~50Hz & 1-phase, 220V~60Hz 1-phase, 220-240V~50Hz		3-phase, 380-415V~50Hz			
Cooling temp. exchange efficiency (H/M/L)	%	55/55/60	55/55/60	55	55		
Cooling enthalpy exchange efficiency (H/M/L)	%	50/50/55	50/50/55	50	50		
Heating temp. exchange efficiency (H/M/L)	%	65/65/70	65/65/70	65	65		
Heating enthalpy exchange efficiency (H/M/L)	%	60/60/65	60/60/65	60	60		
Sound pressure level in heat exchange mode (H/M/L)	dB(A)	39/38/32	40/39/33	51	53		
Sound pressure level in bypass mode (H/M/L)	dB(A)	40/39/34	41/40/35	52	54		
Airflow rate (H/M/L)	m³/h	800/800/600	1000/1000/750	1500	2000		
External static pressure (H/M/L)	Pa	100/82/54	100/85/58	160	170		
Motor type		AC					
Duct dimensions	mm	Ф242	Φ242	346×326	346×326		
Net dimensions (WxDxH)	mm	1286×1006×388	1286×1256×388	1600×1270×540	1650×1470×540		
Packed dimensions (WxDxH)	mm	1380×1100×573	1400×1370×573	1710×1410×720	1760×1610×720		
Net weight	kg	62	79	163	182		
Gross weight	kg	88	110	224	247		
Operating temperature range	-7 to 43 DB, RH 80% or lower						

Note: 1. Models HRV-200 to HRV-1000 each have have 3 airflow settings; the airflow rates of the HRV-1500 and HRV-2000 are not adjustable. 2. Sound level is measured 1.4m below the center of the unit in an semi-anechoic chamber. 3. Efficiency is measured under the following conditions: Cooling: exhaust air temp 27°C DB, 19.5°C WB; fresh air temp. 35°C DB, 28°C WB. Heating: exhaust air temp 21°C DB, 13°C WB; fresh air temp. 5°C DB, 2°C WB.

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HRV

PURO - AIR KIT

SAFE INDOOR AIR, FROM THE INVISIBLE CARE PURIFICATION SPEED INDUSTRY LEADER

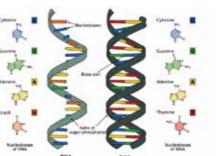
Indoor air pollution is affecting our...

We spend 80% of our time indoors. On average, a person consumes about 8000 liters of air in a day. According to the EPA, indoor air pollution could be five times greater than outdoor air. Over 99% of particles in the air are smaller than 1 micron, and they cannot sink because of their lightweight. When a person sneezes, around 100,000 contagious germs may be sent into the air. Puro-Air kit can effectively remove bacteria, viruses and odors from indoor air to provide a healthy and safe indoor environment. Its innovative design also prevents UV damage to the eyes, skin, and respiratory tract.





UVGI is increasingly widely used in the sterilization of HVAC equipment. W.J.Kowalski and others have obtained the effect of UV sterilization on the concentration of indoor pollutants through experiments. It can be seen that the virus, bacteria and spores exposed to UV irradiation with an intensity of 25 mW / cm2 is significantly reduced. The results show that the microorganisms carried in the air can be killed by applying a certain intensity and time of UV irradiation (200-270nm) under appropriate conditions[1]. [1].HVAC Design Manual for Hospitals and Clinics, ASHRAE







Andrea Bianco, Mara Biasin and others have confirmed through experiments that UV-C irradiation has the potential virucidal effects on SARS-CoV-2. The potential virucidal effects of UV-C irradiation on SARS-CoV-2 were evaluated for different illumination doses and virus concentrations. These results could explain the epidemiological trends of COVID-19 and are important for the development of novel sterilizing methods to contain SARS-CoV-2 infection[2]. [2]Refer to UV-C irradiation is highly effective in inactivating and inhibiting SARS-CoV-2 replication, Andrea Bianco, Mara Biasin



CI FAN WAVE





First Global Tick-mark Certification Of Purification Ac Products

Premium Osram Hns Uv Lamp Made In Europe

99.9% Killing Rate Of Staphylococcus Albus Within 10 Minutes

99.9% Killing Rate Of H1n1 Within 30 Minutes

98.2% Killing Rate Of Natural Airborne Bacteria Within 30 Minutes





Puro-Air Kit

Features:

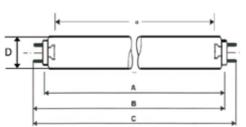
- 1. 2 models, power range from 60W to 120W
- 2. 2 UV lamps and 4 UV lamps are optional
- Application air flow rate of 2 UV lamps model can be up to 2600 m3/h 3.
- Application air flow rate of 4 UV lamps model can be up to 4300 m3/h. 4.
- UVGI high efficient 5.
- Innovative structural design 6.
- Higher safty, Ozone-free and UV leakage-free 7.
- **Flexibility Control** 8.
- Higher reliability 9.
- 10. Higher killing rate for viruses and bacteria,99.9% killing rate of Staphylococcus albus in 10 minutes,99.9%
- killing rate of H1N1and 98% killing rate of natural bacteria in 30 minutes
- **11.** Be widely used in many scenes



Precise	Premium	Powerful	Durable	Reliable
253.7nm	Ozone Free	360°	9000hr	Solid
UV wave length		Coverage Area	80% output	Amalgam

Model	Description	Key component	Box size	Air flow(m ³ /h)
HFB1-P-U02	UV Health function box	2x(UV lamp,230V,30W)	BOXI	2600
HFB1-P-U04	UV Health function box	4x(UV lamp,230V,30W)	BOXI	4300

	BOX Dimension WxHxD(mm)	Air-flow(m ³ /h)	Air velocity(m/s)	Pressure loss(Pa)
HFB1 Puro-Air	1120x418x420	4000	2.44	65
		3500	2.13	50
		3000	1.86	40
		2500	1.52	30
		2000	1.19	20
		1500	0.94	12



Face to F Face to e Face to e Overall le Radiatior Tube dia

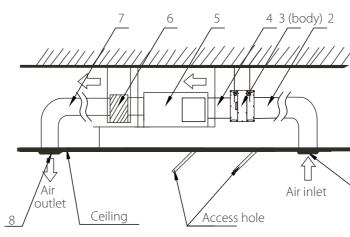
Electrical Data

30 W
96 V
230 V

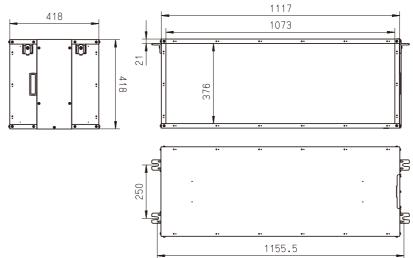
Note: The OSRAM HNS G13 lamp can be purchased from the market for replacement.

Air Duct Installation

- 1. The air inlet flange and air outlet flange are connected to air ducts, respectively.
- 2. Seal the connection parts of the flange and air duct with aluminum foil tape.
- 3. Use screws (prepared on site) to connect the air duct to the unit.



Dimensions (mm)



Geometric Data

Face to Face
Face to end of opposite pin
Face to end of opposite pin
Overall length
Radiation length
Tube diameter
Base G13

Spectral Data

Radiation flux (254nm)	12.0 W
Initial UV-C irradiance	> 0.31 W/m2 @ 2 meter
Lifetime	9000 hrs
UV-C irradiance @ 9000hrs	> 0.24 W/m2 @ 2 meter

A max 894.3 mm

B min 899.3 mm

B max 901.7 mm

C max 908.8 mm

D max 25.5 ± 2 mm

a 824 ± 2 mm

/		Legend
-	1	Air inlet mesh(prepared on site)
	2	Air outlet mesh(prepared on site)
	3	PURO-AIR KIT
-	4	Air duct(prepared on site)
1	5	Master unit of the air conditioner
	6	Air plenum(prepared on site)
	7	Air outlet duct(prepared on site)
	8	Air outlet(prepared on site)

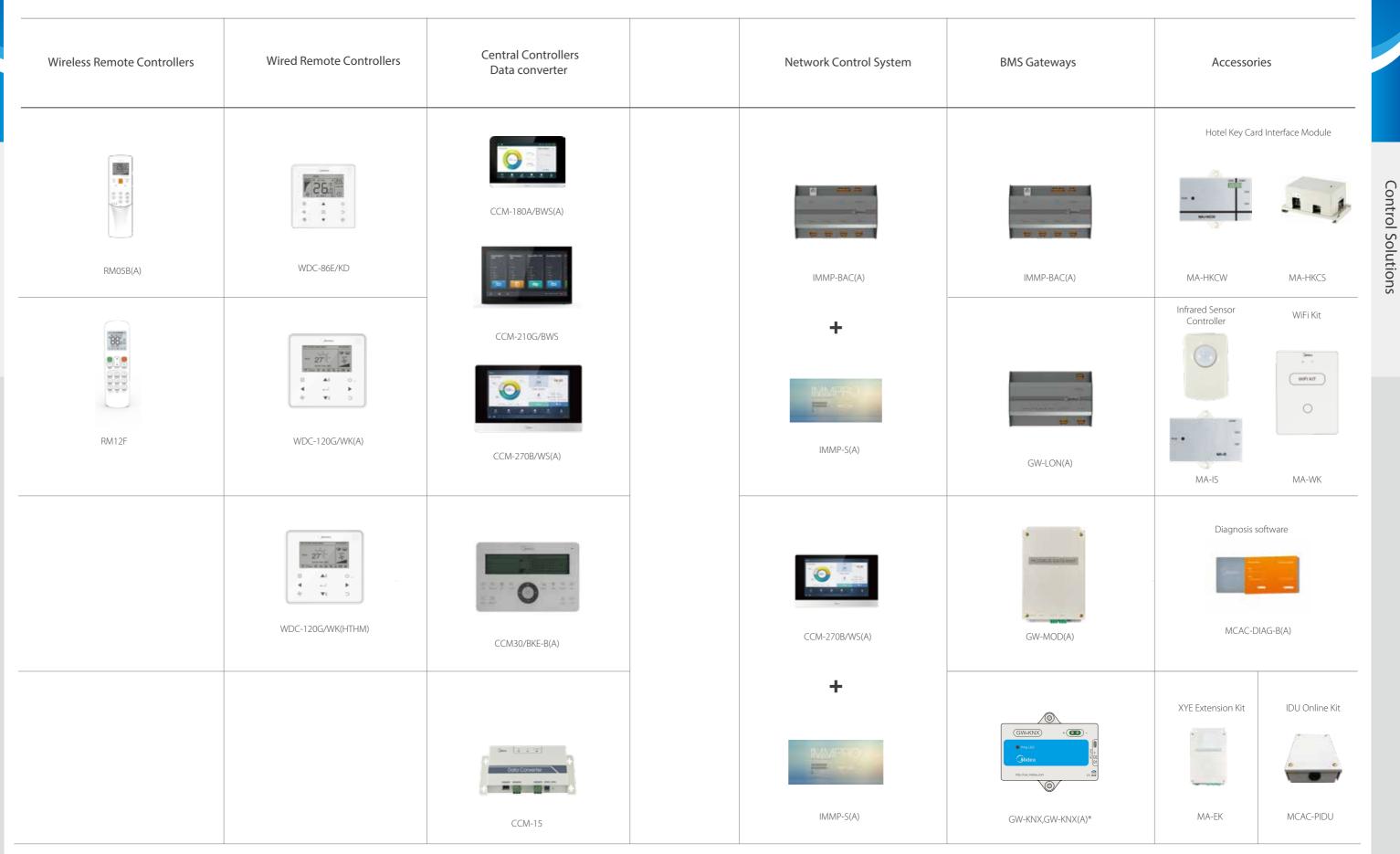
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CONTROL SOLUTIONS

Remote Controllers Wired Controllers Central Controllers Data Converter Network Control System BMS Gateways Accessories



CONTROLLER LINEUP for V6/V6i/V6R/V4+I(10-12HP)/ Mini C



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Note:

1. GW-KNX(A) is only used for High Temperature Hydro Module in V6R systems. 2. The diagnosis software is only compatible with V6/V6i outdoor unit.

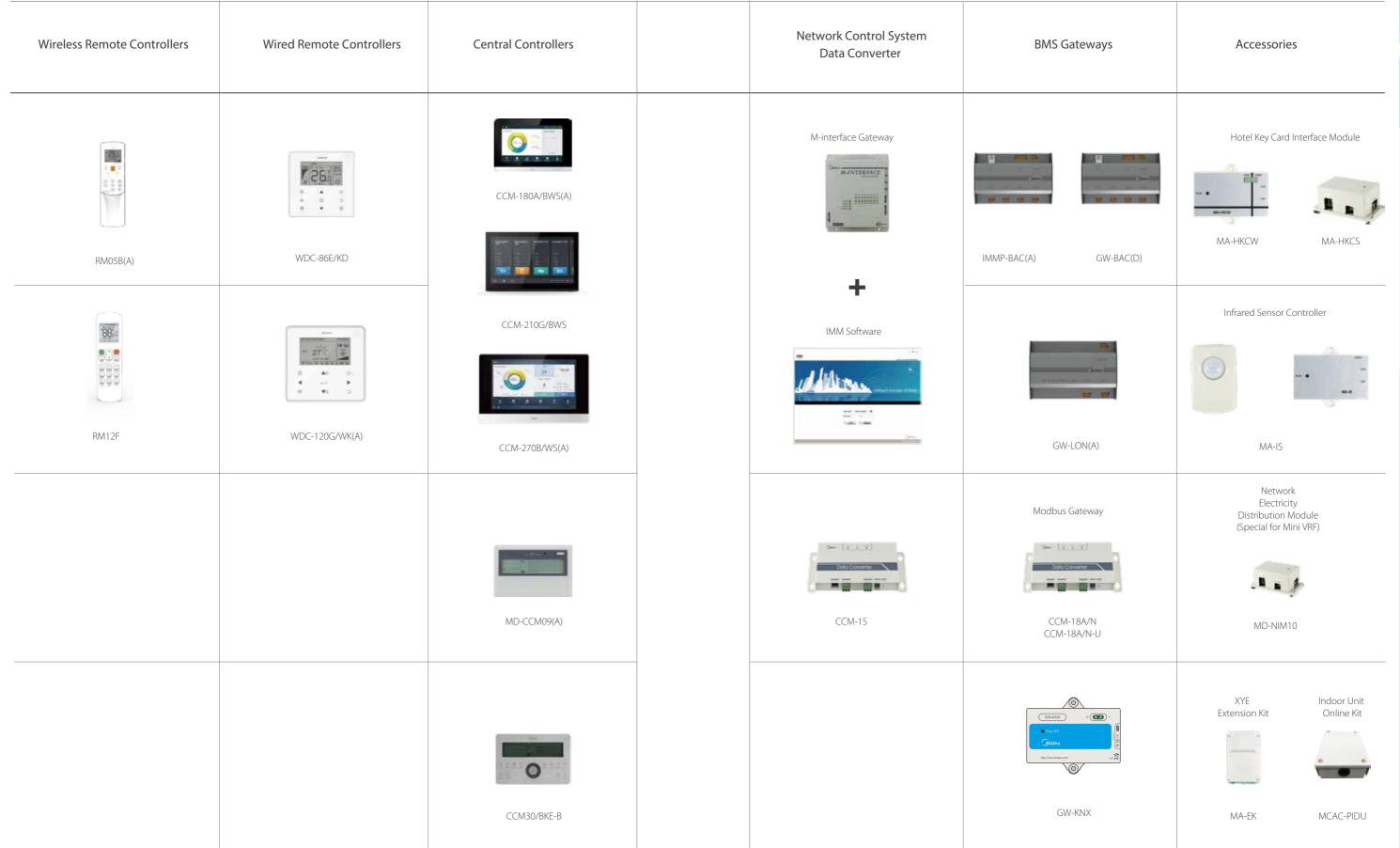
CONTROLLER LINEUP for VC Pro

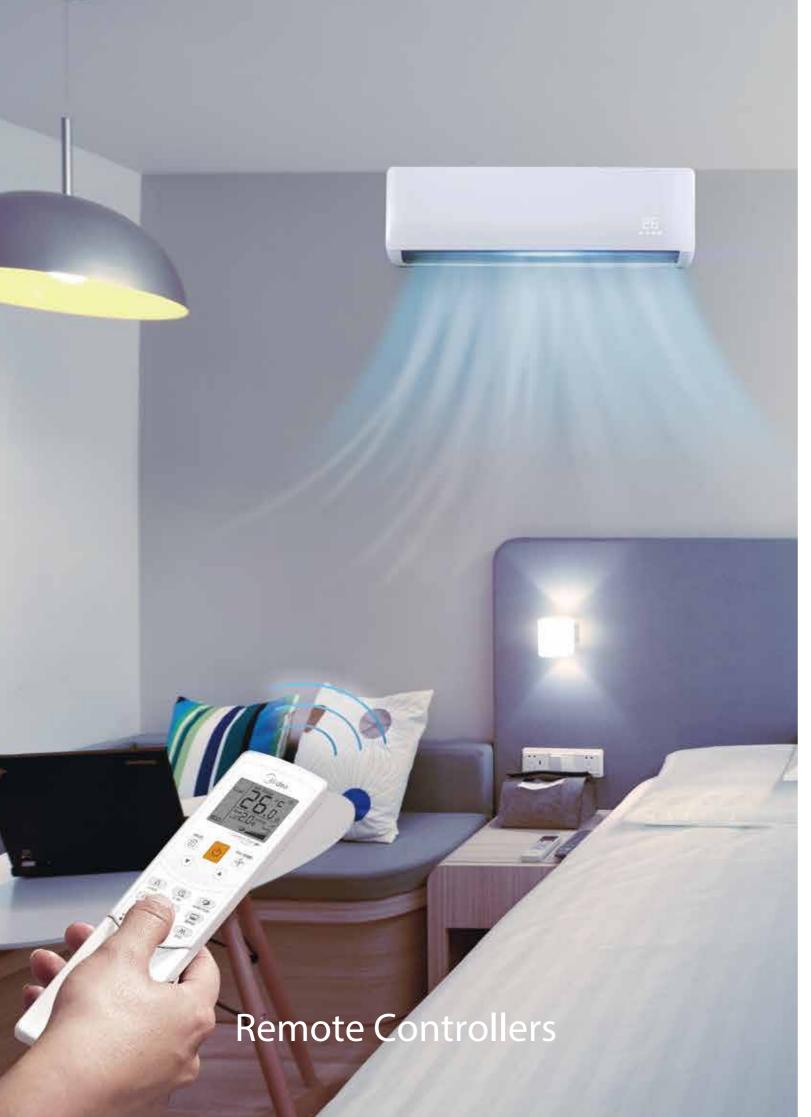
Wireless Remote	Wired Controllers	Central Controllers Data converter	Network Control System	BMS Gatew
		CCM-180A/BWS(A)		
RM12D(C)	WDC-86E/KD		IMMP-BAC(A)	IMMP-BA
	WDC-120G/WK(A)	CCM-210G/BWS CCM-270B/WS(A)	IMMP-S(A)	GW-LO1
		CCM30/BKE-B(A)	CCM-270B/WS(A)	GW-MOI
		CCM-15	T IMMP-S(A)	GW-KNX + Proj table = Top instantiant GW-KNX

Control Solutions



CONTROLLER LINEUP for V4+I(except 10/12HP) V4+W/ Mini VRF- Standard Series





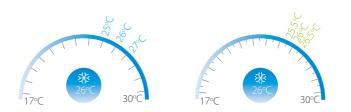
Features

Model	RM05B(A)
On / Off	•
Mode selection	•
Temperature setting	 (0.5°C or 1°C steps)
7-speed fan control	•
Auto swing	•
5-step swing louver	•
Address setting	•
Follow me	×
Eco mode	•
Silent mode	•
Display shut-off	•
Daily timer	•
Keyboard lock	•
Background light	•
Indoor Unit parameter setting	•
Dimensions (H×W×D) (mm)	150×65×20
Batteries	
Indoor unit series	
Note:	

•: equipped as standard; ×: without this function

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.

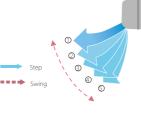


Digital Display On/Off

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



5 Swing Angles for Louver Thanks to the 5 swing angles for indoor unit louver, the air flow direction can be controlled more precisely.



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2nd generation AC/DC IDU

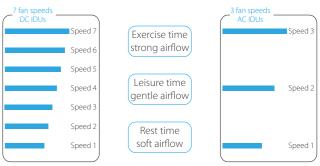
Follow Me

With the follow me function, the indoor unit responds to the temperature measured by the temperature sensor built-in to the wireless remote controller, rather than the temperature sensor in the indoor unit itself, enabling more precise control of the temperature in the user's immediate environment.



Multiple Fan Speed Control

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



Wired Controllers



Features

Model	¥266
	WDC-86E/KD
On / Off	٠
Mode selection	•
Temperature setting	● (0.5°C or 1°C steps)
Dual temperature set points	•
7-speed fan control	•
Auto swing	•
5-step swing louver	•
Address setting	•
Follow me	•
Eco mode	•
Room temperature display	•
°F/°C display	•
Keyboard lock	×
Background light	•
Daily timer	•
Weekly schedule timer	×
Auto restart	•
2 permission levels	×
Bi-directional communication	•
Group control	×
Main or secondary controller setting	•
Display shut-off	•
Silent mode	•
Remote signal receiver	•
Clean filter reminder	•
Extension function	×
Daylight saving time	×
Clock display	×
Dot matrix display	×
Error check function	•
System parameter querying	•
After Hours/Off Timer function	•
Language	English
HRV control	×
Puro-Air Kit control	×
System setting control	•
Dimensions (WxHxD) (mm)	86x86x18
Power supply	18V DC
Indoor unit series Note: •: equipped as standard; ×: without this function	

	T
	WDC-120G/WK (A)
	•
;)	(0.5°C or 1°C steps)
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	English, French, Spanish, Polish,Italian,German, Portuguese, Turkish
	•
	•
	•
	120x120x20
	1 18V DC
2 nd generatio	on AC/DC IDU

•: equipped as standard; x: without this function when the 2nd generation AC indoor units connect to group controller WDC-120G/WK(A), the indoor units need to customize D1 D2 terminals.

Model	WDC-120G/WK(HTHM)
On / Off	•
Mode selection	•
Water Outlet Temperature Control	•
Silent Mode	•
Screen lock	•
Room Temperature Control	•
Multiple Set Points	•
Address setting	•
Disinfection Mode	•
Holiday Home Mode	•
Holiday Away Mode	•
°F/°C display	•
Keyboard lock	•
Background light	•
Daily timer	•
Weekly schedule timer	•
Auto restart	•
Child Lock	•
Bi-directional communication	•
Service Call	•
DHW Temperature Control	•
Parameter Checking	•
Silent mode	•
Remote signal receiver	•
Maximum Power Limitation	•
Operating Parameters Checking	•
Heating Temperature Control	•
Clock display	•
Dot matrix display	•
Error check function	•
Language	English, French, Spanish, Polish
Dimensions (WxHxD) (mm)	120x120x20
Power supply	18V DC
Indoor unit series	High Temperature Hydro Module

•: equipped as standard

Group Control

One controller can be used to unify the settings across up to 16 indoor units.



Note: when the 2nd generation AC indoor units connect to group controller WDC-120G/WK, the indoor units need to customize D1 D2 terminals. Group control is not available for 2nd generation AC Wall Mounted Series.

Main or Secondary Controller Setting

Two controllers can be used together with single indoor unit. Operating mode and settings would be set according to the most recent instruction received. The controller display screens are synchronized so that both displays update when a setting is adjusted.





Two or more indoor units

2 Permission Levels

2 permission levels ensure users can easily access control functions and allow administrators convenient access to operating parameters.



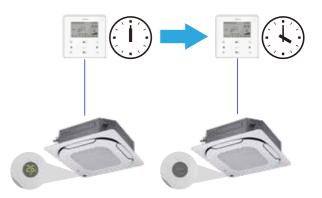
Buzzer Sound On/Off

The buzzer sound of the indoor unit can be turned off to create a quieter environment.



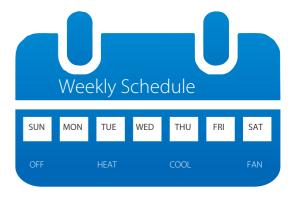
Off Timer Function

We can use the wired controller to set an automatic off timer or after hours function for the indoor unit.



Weekly Schedule Timer

The weekly schedule timer allows users to set multiple schedules each with its own operating mode, temperature settings and fan speeds.



Bi-directional Communication

The wired controller can query the system operating parameters thanks to the new bi-directional communication functionality. In addition, settings including static pressure, cold draft prevention and temperature compensation can be configured on the wired controller.



Note: This function is only available for V6/V6i/VC pro/V6R/V4+I(10-12HP) outdoor unit connected to 2nd generation DC indoor unit.

Central Controllers





Features

Function			
	CCM-180A/BWS(A)	CCM-210G/BWS	CCM-270B/WS(A)
Max. number of indoor units	64	64	384
Max. number of refrigerant systems	8	8	48
Fouch screen	(6.2-inch)	(7-inch)	• (10.1-inch)
Dn/Off	•	•	•
Node selection	•	•	•
Temperature setting		• (0.5°C steps)*	
7-speed fan control		*	
Auto swing	•	•	•
5-step swing louver*	•	•	•
loom temperature display	•	•	•
Holiday setting	•	•	•
C/°F display	•	•	•
chedule management	•	•	•
Clock display	•	•	•
2 permission levels	•	•	•
extension function	•	×	×
ndoor unit type/model recognition		•*	
ndoor unit with capacity larger han 16kW recognition		•*	
HRV Control	•	٠	•
/isual schematic	×	×	•
nergy management	•	•	•
Group management	•	•	•
rror check function	•	•	•*
System parameter querying	•	•	•
JSB output	•	•	•
Report display	Error report	operation record	Error report and operation record
Operation log	×	×	•
AN access	×	×	•
anguage supported	English, Chinese, French, Spanish, Portuguese, Italian, German, Polish, Turkish, Russian, Korean	English, Chinese	English, Chinese, French, Spanish, Portuguese, Italian German, Polish, Turkish, Russian, Korean
Dimensions (W×H×D)(mm)	182×123×34	174×111×26	270×183×27
'ower supply	12V DC	12V DC	24V AC
Outdoor unit series or indoor unit series		All series	1

Note: •: equipped as standard; x: without this function *means this function is only available for V6/V6i/VCpro/V6R/V4+I(10-12HP), Mini C outdoor unit.

Function		
	CCM30/BKE-B CCM30/BKE-B(A)	MD-CCM09(A)
Max. number of indoor units	64	64
Max. number of refrigerant systems	8	8
Touch screen	×	×
On/Off	•	•
Mode selection	•	•
Temperature setting	• (1°C	steps)
7-speed fan control	3-speed fa	n control
Auto swing	•	•
5-step swing louver*	×	×
Room temperature display	•	•
Holiday setting	×	×
°C/°F display	•	•
Schedule management	•	Weekly timer
Clock display	×	×
2 permission levels	×	×
Extension function	×	×
Indoor unit type/model recognition	×	×
Indoor unit with capacity larger than 16kW recognition	ldentify as two or four units	(depend on units model)
HRV Control	•	•
Visual schematic	×	×
Energy management	Mode/Remote c	ontroller limit
Group management	×	×
Error check function	•	•
System parameter querying	•	•
USB output	×	×
Report display	×	×
Operation log	×	×
LAN access	×	×
Language supported	Engli	sh
Dimensions (W×H×D) (mm)	179×119×74	179×119×74
Power supply	198-242V AC	(50/60Hz)
Outdoor unit series or indoor unit series	V6/VC Pro/V4+I(except 10/12HP)/V4+W/ Mini VRF- Standard Series ODU	V4+I(except 10/12HP)/V4+W/ Mini VRF- Standard Series ODU

•: equipped as standard; ×: without this function

*means this function is only available for V6/V6i/VC pro/V6R/V4+I(10-12HP) outdoor unit.

Touch Screen

Colorful touch screen and vivid display make operation more convenient and simple.



Electricity Charge Distribution

The controllers use the patented Midea Calculation Method to estimate the electricity consumption of the outdoor units and then divide it among the indoor units so that the electricity charges can be equitably divided among building occupants.



Energy Management

User can set limits or locks on an indoor unit, such as minimum cooling temperature, maximum heating temperature, fan speed, operation mode, swing lock, remote controller lock and wired controller lock.



Unit Model Recognition

The controller recognizes the model of indoor and outdoor units and different models are represented by different icons.

icos	Model	Scon-	Model
-	Low static pressure and rsiddle static pressure (L-DUCT/M-DUCT)	55	Vertical concessied installation/vertical surface mounting (FS)
-	High static pressure (H-DUCT)		Four-way Cassette
	Purifier (FAPU)	II	Compact Four-way Cassette (COMPACT)
_	Wall mounting (WALL)	-	Celling-floor type (C&F)
	01d 100 (1st Gen, 100)	-	Two-way Cassette
	Die-way Cassetta	13	CONSOLE
	Group control device icon	Ð	New ODU (New generation ODU)

Visual Schematic

By importing floor plans and then dragging and dropping the indoor units to their actual positions on the floor plan, users can create a tailored system schematic which enables monitoring and control of the indoor units through a clear visual representation of the system layout.



Group Management

Units can be viewed according to group, system or location, making unit management clearer and more convenient.

	200 Linns						
Bulling One Unit Doug 1 Unit Doug 2	23°C	23°C	23°C	H BOOK	1 9000 23°C	23°	
ALC FUR	ACUNTRI .	AUGHTEL	ALIANTIN	AC 4 MIT IN	- ACUMTRE	ACCENT OF	
Unit Group 3	= @cox	2 Brook	I 0000		H 400	-	
O Balleg Tara	23°C	23%	23%	23°	23°C	23°	
O Bulley Time	ADAN147	ACLINITIAN	ACUMPUS	ADAMINE	ALLANT-11	42-047-62	
Bulley Four					B 800		
	23°C	23°C	237	23°	23°C	23°C	

Outdoor Unit Configuration

Outdoor unit configuration and settings can be monitored and controlled without having to go outdoors.



Note: This function is only available for V6/V6i/VC pro outdoor unit.

Schedule Management

Daily, weekly or annual schedules can be used to set unit settings such as on/off, operating mode, set temperature, fan speed and swing.

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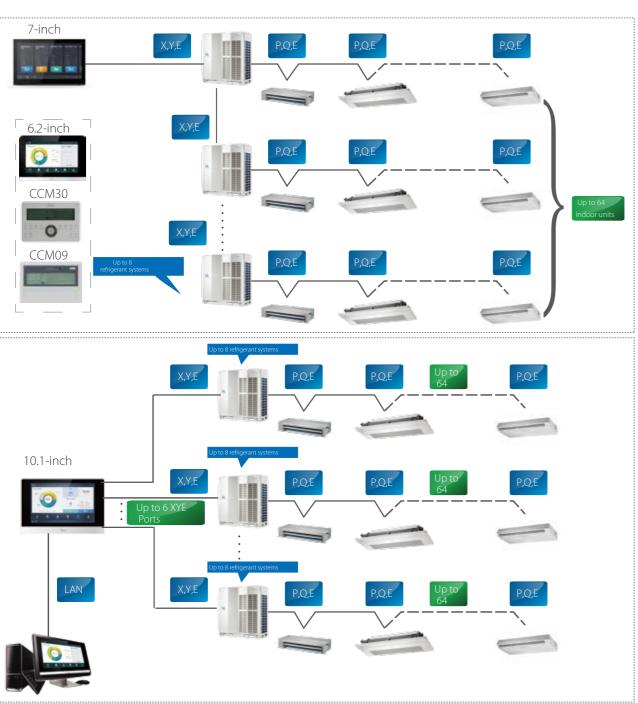
LAN Access

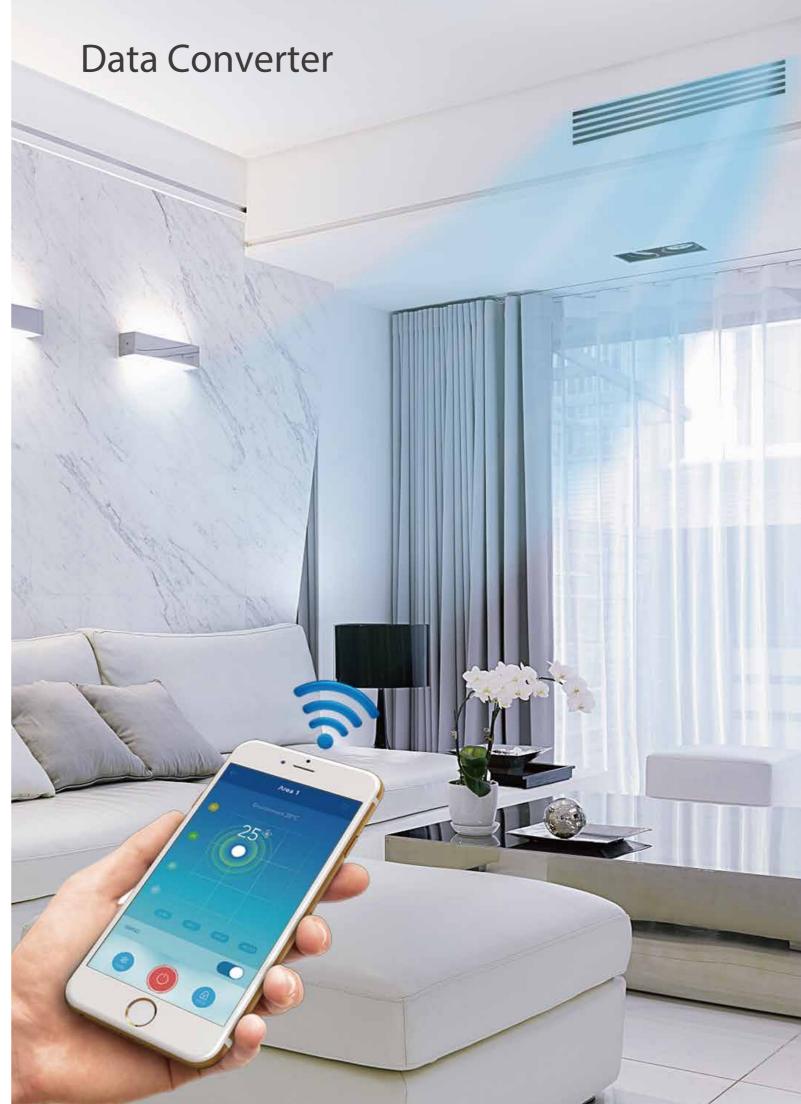
A desktop or laptop PC can be used for browser-based access via a LAN connection.



Wiring Flexibility

The controllers can be connected to the master outdoor unit directly.





Hardware model	CCM-15			
Application scenarios	Mobile Phone Application	Cloud Server Website		
Max. number of CCM-15 for one mobile APP	10	10		
Max. number of indoor units	640	640		
Max. number of refrigerant systems	80	80		
On/Off	•	•		
Mode selection	•	•		
Temperature setting	(1°C steps)	(1°C steps)		
7-speed fan control	×	×		
Auto swing	•	•		
5-step swing louver	×	×		
Room temperature display	•	•		
°C/°F display	•	•		
Weekly timer	•	•		
Indoor unit type recognition	×	×		
Energy management	•	•		
Group management	•	•		
User group management	•	•		
Operation log	•	•		
Device log	•	•		
Login record	•	•		
Error log	×	•		
Configuration	٠	×		
Account registration	•	×		
Virtual	٠	×		
Mode display	٠	•		
Languages supported	English, French, Spanish	English, French, Spanish		
Dimensions (W×H×D) (mm)	187×11	5×28		
Power supply	5V I	DC		
Outdoor unit series	All se	ries*		

Note: •: equipped as standard; ×: without this function *For the V6R series , the CCM-15 is under development.

High Compatibility

Compatible with a variety of operating systems.



User Friendly Interface

Clear, stylish interface designed by leading industrial designers.



Cloud Server Website

In addition to "M-control", users can control air conditioners and query the status of air conditioning equipment anytime and anywhere through the cloud server website.



Virtual Experience

After downloading "M-control", you can experience the operation of the interface through the virtual experience function without registration.



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Easy Configuration

User groups can be joined simply by scanning a QR code.



Convenient Operation

Drag the position of the floating bubbles to change temperature and fan speed.



Anytime Control

Remote access to CCM-15 allows anytime, anywhere control.



Clear Icons

Clear, color-coded icons allow unit operating states to be viewed at a glance.



Group Management

The user can group the air conditioners equipment, and the air conditioner in the same group can be controlled together just with one tap.



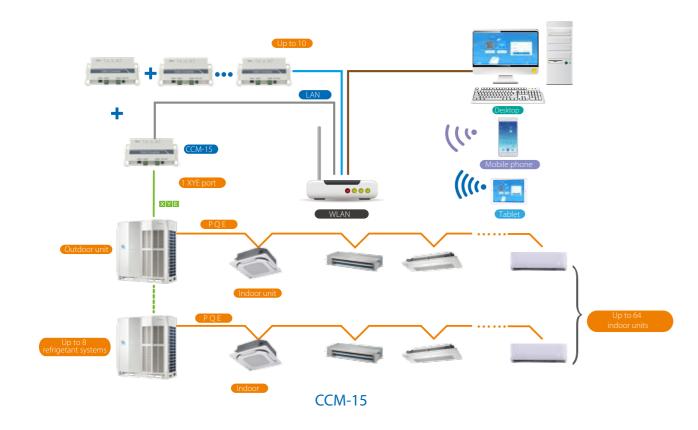
Multiple Language Options

Supports multiple languages so that users of different languages can operate easily.

French English O

Flexibility

The Data Converter can be connected directly to a network of indoor/outdoor units.



2 Permission Levels

Administrators can set different permissions for different

users to facilitate better management of devices.

Network Control System





CCM-270B/WS(A) 10 3840 480 (0.5°C steps)	M-interface 4 1024 16
10 3840 480	4 1024
3840 480	1024
480	
	16
(0.5°C steps)	
	(1°C steps)
•	× (3-speed)
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•	•
•	9 languages
Spanish, Portuguese, Italian, German,	251×319×66
Spanish, Portuguese, Italian, German, rkish, Russian, Korean 270×183×27	
	Spanish, Portuguese, Italian, German, urkish, Russian, Korean 270×183×27

User-friendly Interface

Simple, practical user interface makes for a user-friendly experience even for first-time users.



Outdoor Unit Configuration

Outdoor unit configuration and settings can be monitored and controlled without having to go outdoors.



Note: This function is only available for V6/V6i/VC pro outdoor unit.

Electricity Charge Distribution

The IMMPRO uses the patented Midea Calculation Method to estimate the electricity consumption of the outdoor units and then divide it among the indoor units so that the electricity charges can be equitably divided among building occupants.



Public and Idle Devices

Marking a unit as a public device or idle device ensures the electricity charge distribution is more accurate and reasonable.



Note: •: equipped as standard; ×: without this function

*means this function is only available for V6/V6i/VC pro/V6R/V4+I(10-12HP) outdoor unit.

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Floor Plan

By importing floor plans and then dragging and dropping the indoor units to their actual positions on the floor plan, users can create a tailored system schematic which enables monitoring and control of the indoor units through a clear visual representation of the system layout.



Schedule Management

Daily, weekly or annual schedules can be used to set unit settings such as on/off, operating mode, set temperature, fan speed and swing.

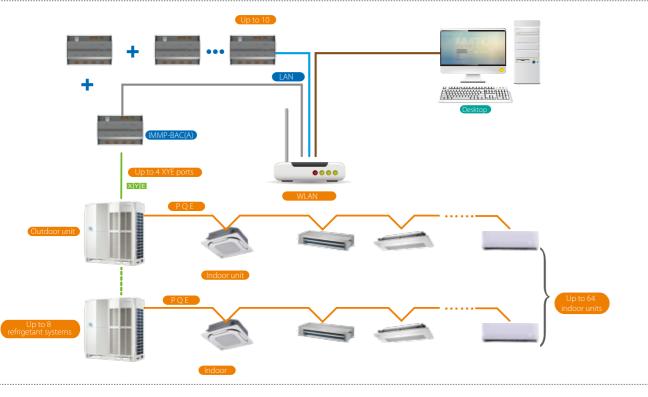


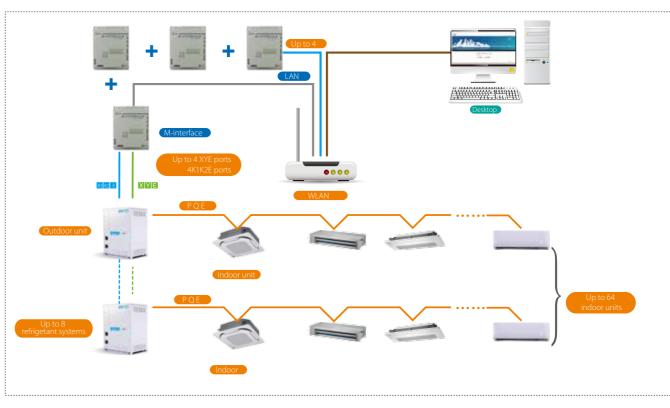
Xpress Installation

With the Xpress Installation wizard, IMMPRO can be installed quickly and easily without requiring support from a technical support engineer.

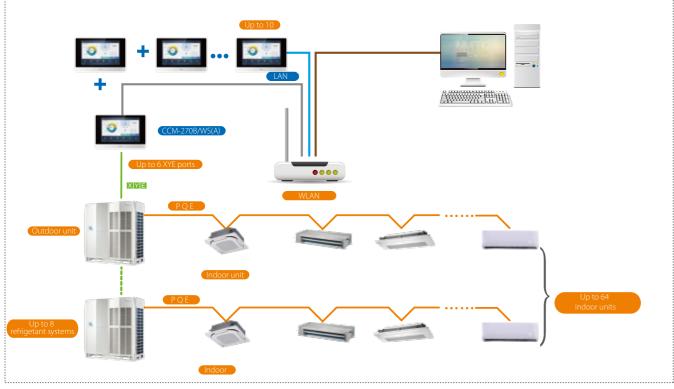


Network Flexibility





IMMP-BAC(A)



CCM-270B/WS(A)

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M-interface

M-BMS MAX

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16-26°C NWwind 2level Cloudy	16-26°C Cloudy	13-25°C Cloudy	15-21°C Cloudy	16-22°C Light rain
II Transient Chai	n Indexes			
Yesterday				Today
21,40	Ou	tdoor temp. 'C	-	19.37
82.27 🛛 🕳		RH %	1.5	81.56
19.30	-	NB temp. °C	-	17.29

19.30	WB temp. °C emp	17.29
18.28	Dew-point temp. C	16.15
13.30	Moisture content grkg	11.60
2.32	Total power kW	1.26
0.00	Cooling capacity kW	0.00

Real-Time Monitoring Data



Plant Room Power Data



Monitoring and control of Midea's VRF air conditioners can be integrated into building management systems, enabling air conditioning to be monitored alongside lighting, power, protocols: BACnet, LonWorks,Modbus

fire, access and security systems. Midea's gateway devices provide full compatibility with the leading BMS

and KNX.

FEFER

BMS Gateway

BACnet Gateway

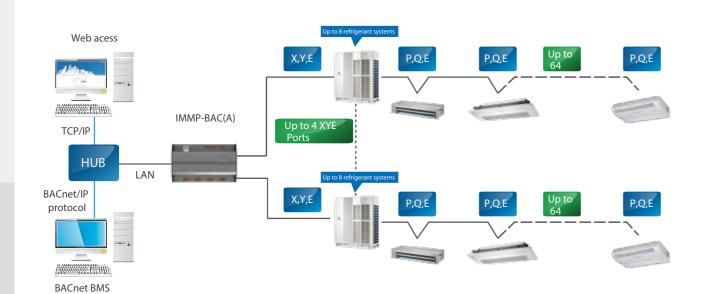
Features

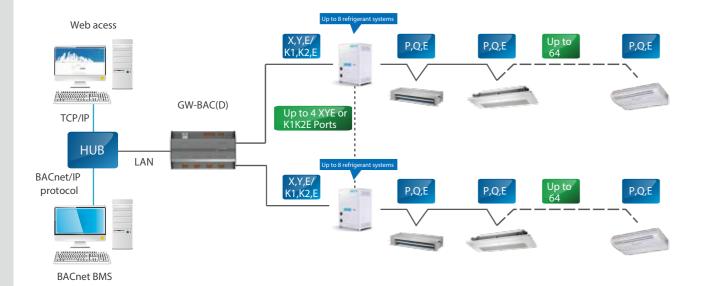
Full Integration

The Bacnet Gateway allows Midea VRF systems to be monitored and controlled alongside other building management technology that use the BACnet protocol such as access control, fire detection and lighting systems.

Network Flexibility

The gateway can be connected to master outdoor units' XYE or K1K2E ports directly.





Model			
		IMMP-BAC(A)	GW-BAC(D)
Max. number of devic	es (include indoor and outdoor units)	256	256
Max. number of refrig	erant systems	32	32
	On / Off	•	•
	Mode selection	•	•
Control	Temperature setting	•	•
	Fan speed	•	•
	Energy management	•	×
	Room temperature display	•	•
Indoor unit monitoring	Error status	•	•
monitoring	Error alarms	•	×
	Operating mode	•	•
	Outdoor ambient temperature	•	•
	Fan speed	•	•
Outdoor unit	Compressor operating frequency	•	×
monitoring	Discharge temperature	•	×
	System pressure	•	×
	Error status	•	•
	Error alarms	•	×
LAN access		•	•
BTL certification		•	•
	Siemens	APOGEE	APOGEE
	Trane	TRACER	TRACER
Compatibility	Honeywell	ALERTON	ALERTON
	Schneider	Andover Continuum	Andover Continuum
	Johnson Controls	METASYS	METASYS
Dimensions (HxWxD)((mm)	116×190×67	116×190×67
Power supply		24V AC~50/60Hz	24V AC~50/60Hz
Outdoor unit series		All series	V4+I(except 10/12HP)/V4+W/ Mini VRF- Standard Series ODU

Note:

•: equipped as standard; ×: without this function

LonWorks Gateway

Features

	Full Integration The LonWorks Gateway allows Midea VRF systems to be monitored and controlled alongside other building management tech- nology on the LonWorks platform such as security, fire safety and lighting systems.	Model		
		Max. number of indoor units		
	Network Flexibility The gateway can be connected to master outdoor units' XYE port directly.	Max. number of refrigerant systen	15	
			Mode selection	
2 2 2 2 2 2 2	GW-LON(A) X,Y,E P,Q,E P,Q,E P,Q,E		Temperature setting	
+	GW-LON(A) X,Y,E P,Q,E P,Q,E P,Q,E	Control	Fan speed	
	X,Y,E Up to 8 refrigerant systems		Group shut down	
	P,Q,E P,Q,E P,Q,E Up to 32 indoor units		On / Off	
			Operating mode	
			Set temperature	
	GW-LON(A) X,Y,E P,Q,E P,Q,E P,Q,E		Fan speed	
		Indoor unit monitoring	Online status	
	X,Y,E Up to 8 refrigerant systems		Operating status	
	Up to 32 indoor units		Room temperature	
	LonWorks BMS		Error status	
		Outdoor unit monitoring	Error status	
		Dimensions (HxWxD)(mm)		

Power supply

Outdoor unit series

Note:

•: equipped as standard



GW-LON(A)

32
8
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116×170×67
24V AC~50/60Hz
All series

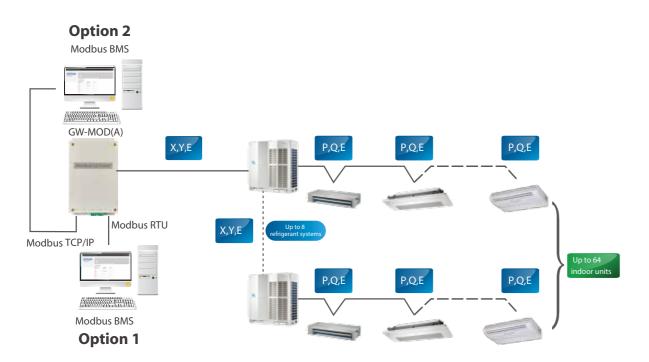
Modbus Gateway

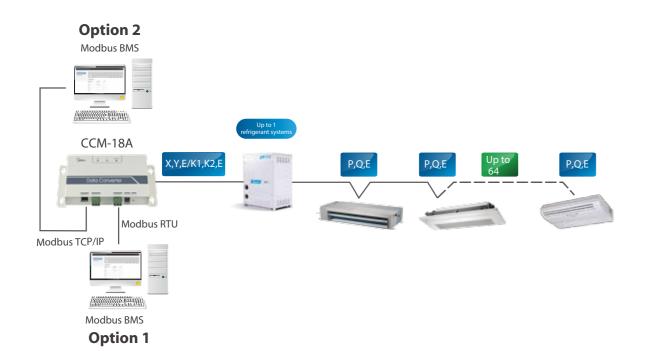
Full Integration

The Modbus Gateway enables seamless connection of Midea VRF systems with building management systems built on the Modbus communication protocol.

Network Flexibility

The gateway can be connected to master outdoor units' XYE or K1K2E ports directly.





GW-MOD(A) Max. number of indoor units 64 Max. number of refrigerant systems 8 On / Off Mode selection Control Temperature setting Fan speed Group on/off Online status Room temperature Indoor unit monitoring Error status Operating mode Operating mode Number of operating IDUs Outdoor unit monitoring Outdoor ambient temperature Error status LAN access 225×128×28 Dimensions (HxWxD)(mm) 12V DC Power supply V6/V6i/VC pro/V6R/V4+I(10 Mini C ODU Outdoor unit series Note: •: equipped as standard; ×: without this function

Features

Model

	CCM-18A/N	CCM-18A/N-U
	64	16
	1	1
	•	•
	•	•
	•	•
	•	•
	•	•
	•	•
	•	•
	•	•
	•	•
	•	×
	•	×
	•	×
	•	×
	•	•
	187×1	15×28
	5V	DC
10-12HP),	V4+I(Except 10/12HP)/V4	+W/Mini VRF-Standard Series

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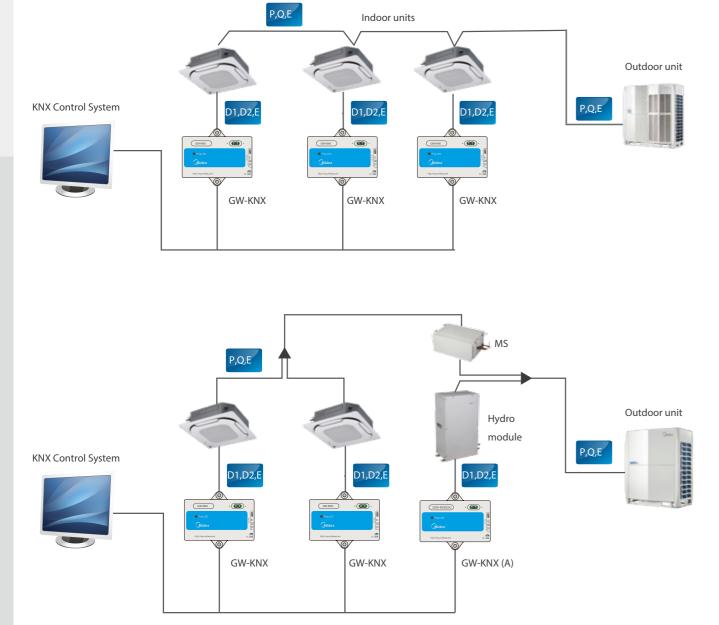
KNX Gateway

Full Integration

The KNX Gateway enables full integration of Midea VRF systems with home and building management systems built on the KNX network communications protocol. KNX is the only global standard for housing and building control, and has been adopted by 70% of Europe's smart home market.

Network Flexibility

The gateway can be connected to indoor units' XYE or D1D2E ports directly.



Features

Max. number of indo	or units
	On / Off
	Mode selection
Control	Temperature setting
	7-speed fan control
	Swing
	On / Off
	Mode selection
	Temperature setting
Monitoring	Fan speed
	Swing
	Room temperature
	Error alarm
Dimensions (HxWxD))(mm)
Power supply	
Indoor unit series	

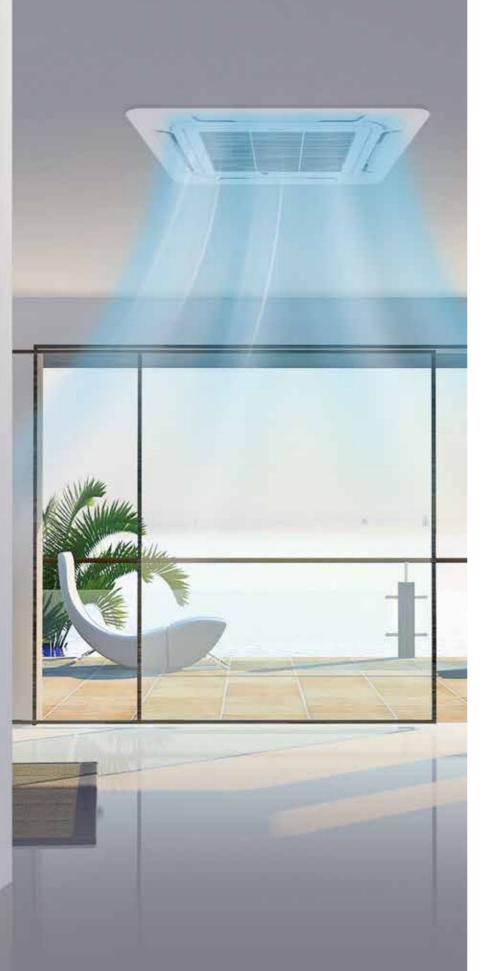
Model		
Max. number o	f HTHM	
	On / Off	
	Room temperature	
Control	Water outlet temperature	
	Mode Switching	
	Temperature control in water heating mode	
	On / Off	
	Current running mode	
	Water outlet temperature	
Monitoring	Room temperature	
	Control status	
	Current temperature in water heating mode	
	Error codes	
Dimensions (H	xWxD)(mm)	
Power supply		
Indoor unit seri	ies	

Note: •: equipped as standard 184







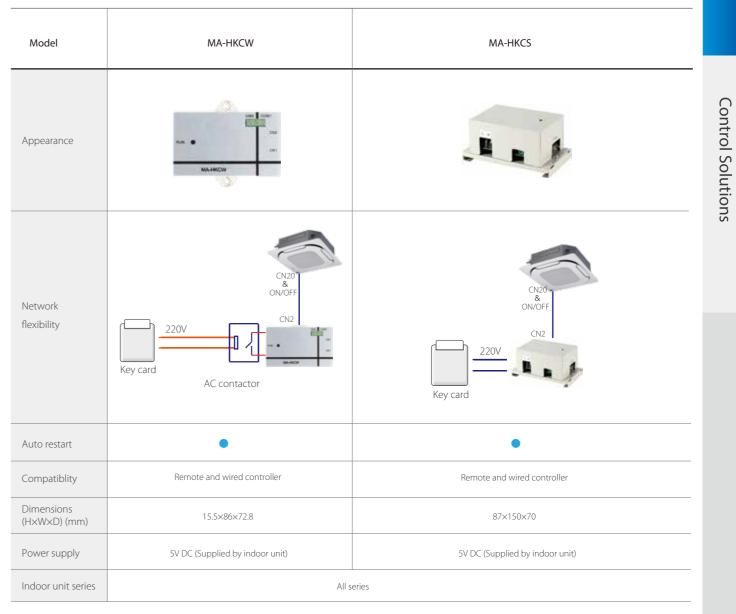


Hotel Key Card Interface Modules

Full Integration

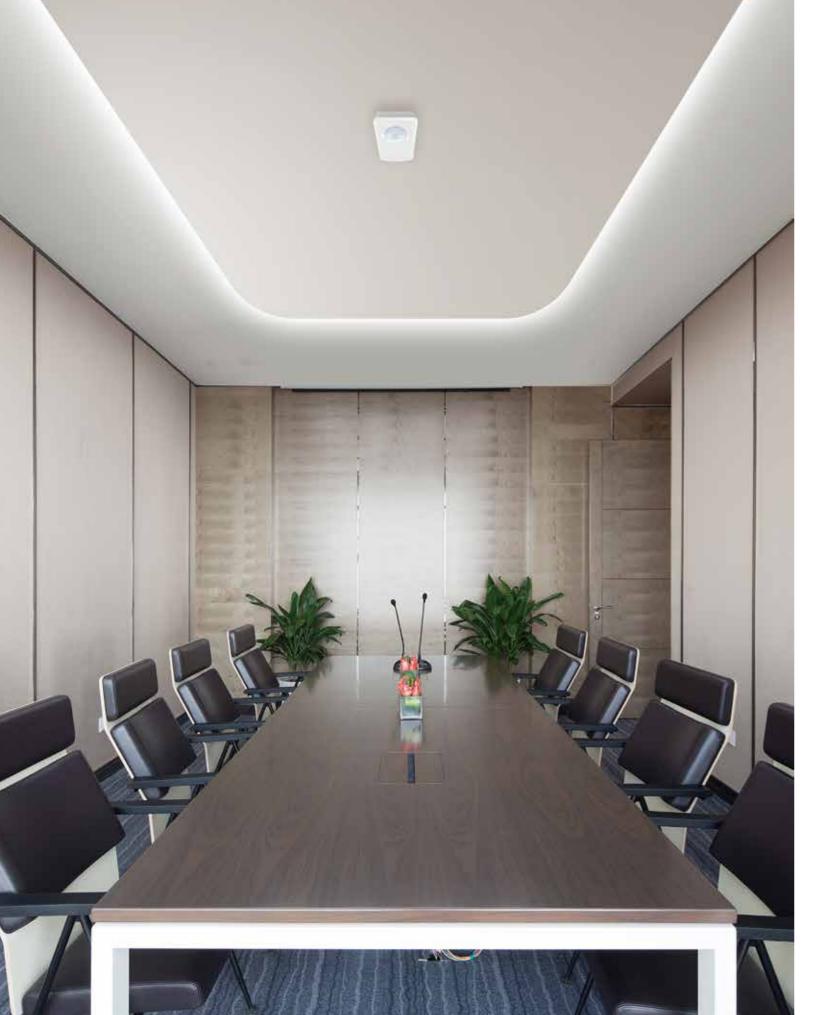
The Hotel Key Card Interface Modules enable power supply to indoor units to be integrated with hotel key card power supply management systems, which are designed to save energy by only running appliances whilst guests are present in their room.

Features



Note:

•: equipped as standard



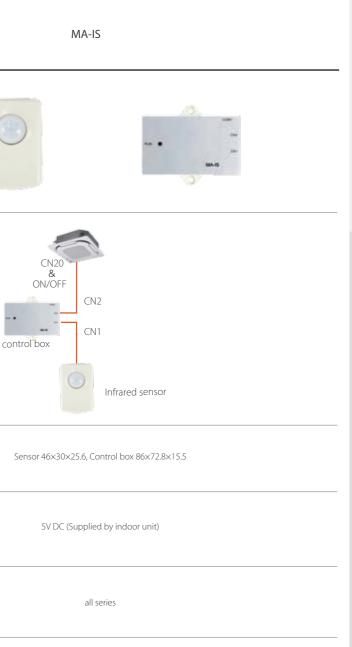
Full Integration

Using infrared sensors to detect movement, the MD-NIM09 Infrared Sensor Controller automatically turns indoor units on or off upon sensing that the room is occupied or unoccupied. Suitable for hotels, offices, conference rooms and residences, the Infrared Sensor Controller ensures climate control whilst minimizing energy consumption.

Features

Model	
Appearance	
Network flexibility	c
Dimensions (H×W×D)(mm)	
Power supply	
Indoor unit series	

Infrared Sensor Controller



Diagnosis Software

Monitor and Diagnose

Midea's VRF Diagnosis Software tool is used to monitor VRF systems and diagnose system errors. System settings and operating parameters can be accessed easily and data logs can be reviewed for fault prevention purposes.

Features

Model		
Max. number of indoor	ite	
Max. number of refriger		
	Mode selection	
Control	Temperature setting	
	Fan speed	
	Operating mode	
	Capacity	
	Compressor operating frequency	
Outdoor unit	Operating current	
monitoring	Error status	
	Temperatures	
	Valve statuses	
	EXV position	
	Operating mode	
	Capacity	
Indoor unit	Fan speed	
monitoring	Address	
	Temperatures	
	EXV position	
Error codes		
Toubleshooting		
Data logs		
Diagrams		
Languages supported		
Outdoor unit series		

•: equipped as standard

1. Heat exchanger temperature, outdoor ambient temperature, discharge temperature.

2. Oil return valve, defrosting valve, EXV bypass valve, four-way valve.

3. Indoor ambient temperature, indoor heat exchanger mid-point temperature, indoor heat exchanger outlet temperature, set temperature.



MCAC-DIAG-B(A)



Expert Diagnosis

Midea's VRF Diagnosis Software is specially designed to allow service engineers, to understand the operating status of the system at a glance.



Use-friendly Interface

A stylish and simple interface with rich graphical representations makes diagnosing system issues quick and convenient.



Data Logs

Parameter Querying

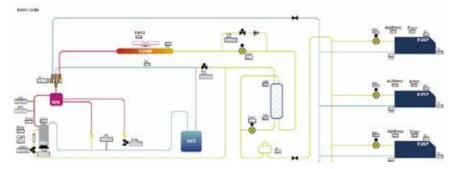
Access all the system parameters easily.

Data logs including operating records and error reports are saved by the software which is useful for discovering system issues.



Diagrams

A system schematic, refregetrant flow diagram and parameter chart can be generated to provide a graphical interpretation of the system status.



Wiring Schematic



Indoor Unit Online Kit



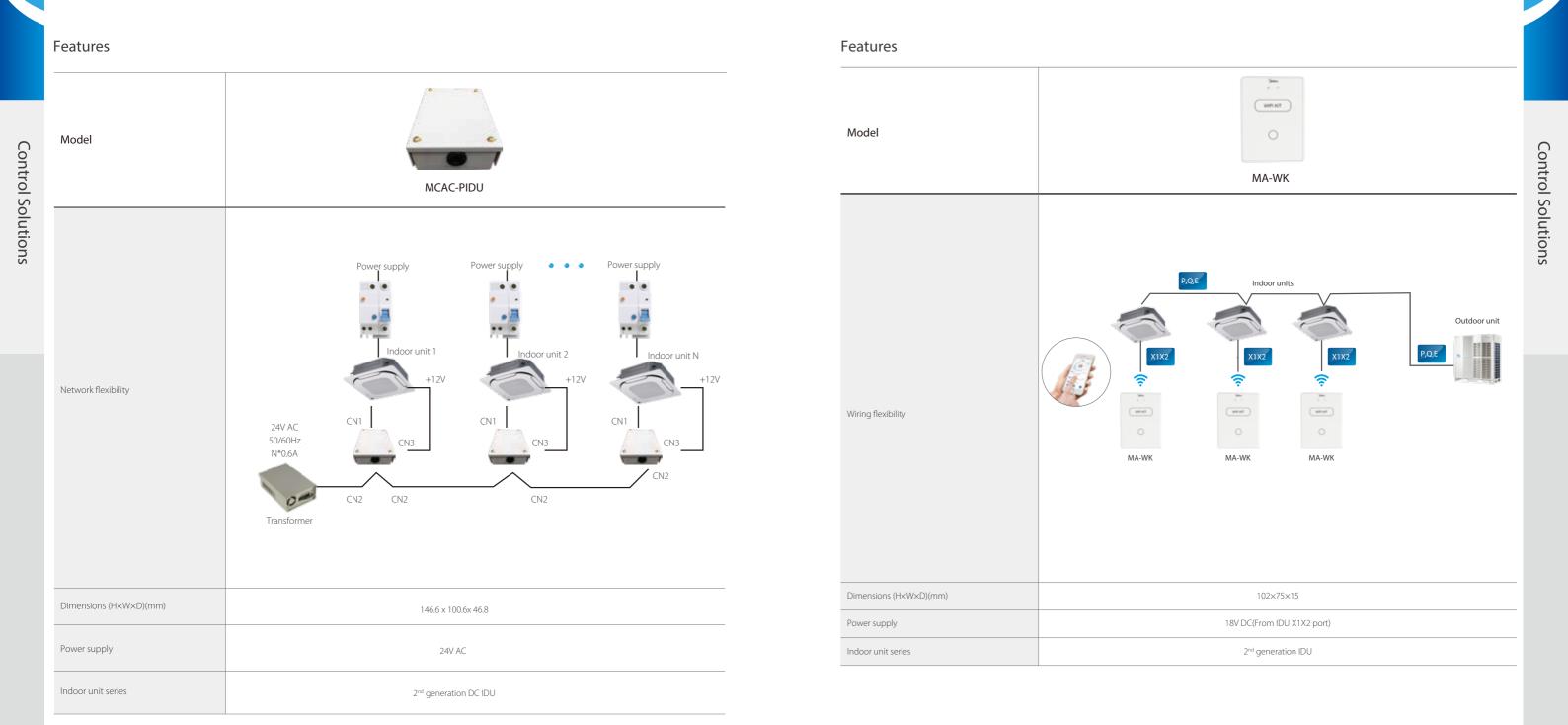


IDU Online Kit

If the power supply for one indoor unit fails , the indoor unit will still remain online and the whole VRF system will not stop. The IDU online kit will keep the indoor unit online , thus keeping the other indoor units of the system working normally and prevent unnecessary shutdown.

WiFi Kit

The MA-WK is used to connect IDU to Could to control by Midea Smartlife App.



Network Electricity Distribution Module

Simple Design

MD-NIM10 is designed specifically for Mini VRF. It provides the OAE ports and Mini VRF can be connected to the IMM network control system to realize network electricity distribution.

XYE Extension Kit

Simple Design

The MA-EK is used to extend the XYE port of outdoor unit as the 2-way one which can connect to 2 Central Controllers or gateways.

C	Features		Features
Control Solutions	Model	MD-NIM10	Model
S			Max. number of refrigerant systems
	Max. number of outdoor unit Wiring flexibility	MD-NIM10 K1 K2 E A interface Ammeter K1 K2 E Ammeter	Wiring flexibility MA-EK
			Dimensions (H×W×D)(mm) Power supply
	Dimensions (H×W×D)(mm)	85X150X70	Outdoor unit series
	Power supply	198-242V (50/60Hz)	*Note: Need to use a protocol conversion kit if you want to get the ODU parameters a
	Outdoor unit series	Mini VRF - Standard Series	



e ODU parameters also for V4+W/ V4+I(Except 10/12HP) ODU

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VRF DX AHU Control Box

High Efficiency

AHU Control Box facilitates raising the EER/COP of the complete AHU system.

Multi AHU Control Boxes Connection

P,Q,E 126 111



Wide Capacity Range

Four control boxes can be used in parallel, giving an overall capacity range of 0.8HP to 80HP.



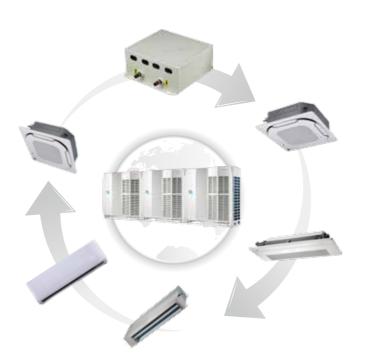
AHUKZ-00B: 2.2~9kW AHUKZ-01B: 9~20kW AHUKZ-02B: 20~36kW AHUKZ-03B: 36~56kW

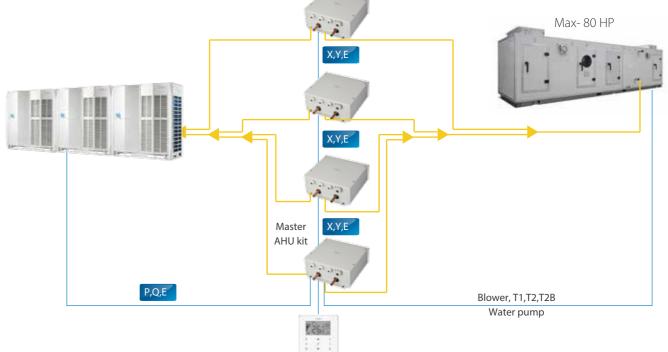


AHUKZ-00D: 2.2~9kW AHUKZ-01D: 9~20kW AHUKZ-02D: 20~36kW AHUKZ-03D: 36~56kW

Compatible with VRF Systems

AHU Control Box are compatible with Midea VRF outdoor units and can be used together with all types of Midea VRF indoor units.





Specifications

Model name	AHUKZ-00D	AHUKZ-01D	AHUKZ-02D	AHUKZ-03D	
Capacity A (kW)	2.2≤A<9	9≤A≤20	20 <a≤36< td=""><td>36<a≤56< td=""></a≤56<></td></a≤36<>	36 <a≤56< td=""></a≤56<>	
Power supply		220-240V~50/60Hz			
Liquid pipe (in/out) (mm)	Φ9.53/Φ9.53	Φ9.53/Φ9.53	Φ12.7/Φ12.7	Φ15.9/Φ15.9	
Dimension (WxHxD) (mm)		341x1	33x395		
Weight (kg)	5.7	5.7	5.8	6.0	
Operation range (cooling on coil) (oC)		17	-43		
Operation range (heating on coil) (oC)		10-30			
Applicable outdoor units		Heat pump / heat recovery / cooling only			
Model name	AHUKZ-00B	AHUKZ-01B	AHUKZ-02B	AHUKZ-03B	
Capacity A (kW)	2.2≤ A<9	9≤A≤20	20 <a≤36< td=""><td>36<a≤56< td=""></a≤56<></td></a≤36<>	36 <a≤56< td=""></a≤56<>	
Power supply		220-240V~50/60Hz			
Liquid pipe (in/out) (mm)	Φ9.53/Φ9.53	Φ9.53/Φ9.53	Φ12.7/Φ12.7	Φ15.9/Φ15.9	
Dimension (WxHxD) (mm)		350×150×375			
Weight (kg)	8.4	8.4	8.7	8.9	
Operation range (cooling on coil) (oC)		17-43			
Operation range (heating on coil) (oC)		5-:	30		
Applicable outdoor units		Heat pump / cooling only			

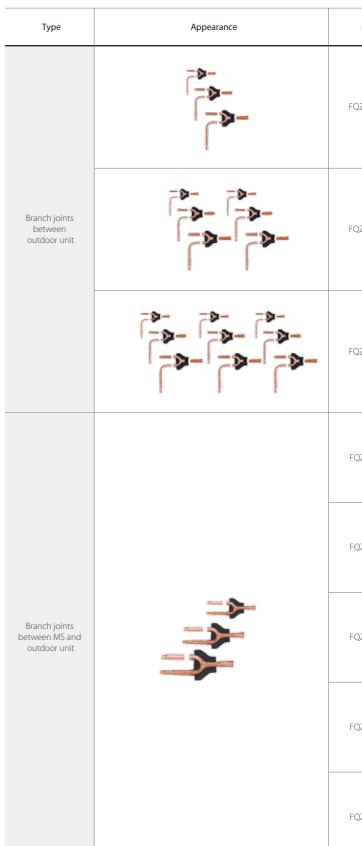


Branch Joints

For Heat Pump Outdoor Units

Туре	Appearance	Model	PackedDimensions mm	GrossWeight kg	Note
Branch joints for		FQZHW-02N1E	255×150×185	2.0	Connecting two outdoor units
V6 & VĆ Pro VRF		FQZHW-03N1E	345×160×285	4.3	Connecting three outdoor units
	-* -	FQZHW-02N1D	255×150×185	1.5	Connecting two outdoor units
Branch joints for V4+W VRF	^ر م «۲ م- م	FQZHW-03N1D	345×160×285	3.4	Connecting three outdoor units
	^ر م المراح ماری المراح ماری المراح	FQZHW-04N1D	475×165×300	4.8	Connecting four outdoor units

For Heat Recovery Outdoor Units



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Model	Packed Dimensions mm	GrossWeight kg	Note	
QZHW-02SB	272×167×232	2.2	Connecting two outdoor units	
QZHW-03SB	472×157×312	5.0	Connecting three outdoor units	
QZHW-04SB	745×160×335	7.5	Connecting four outdoor units	
-QZHN-01SB	257×127×107	0.8		
-QZHN-02SB	287×137×107	0.9		
-QZHN-03SB	297×167×177	1.4		
-QZHN-045B	372×197×187	2.3		
-QZHN-055B	432×222×227	3.3		

Branch Joints

Branch Joints

For Indoor Units

Туре	Appearance	Model	PackedDimensions mm	GrossWeight kg	Note
		FQZHN - 01D	290×105×100	0.4	/
		FQZHN - 02D	290×105×100	0.6	/
		FQZHN - 03D	310×130×125	0.9	/
Branch joints for indoor units	FQZHN - 04D	350×180×170	1.5	/	
	FQZHN - 05D	365×195×215	1.9	/	
		FQZHN - 06D	390×230×255	3.1	/
		FQZHN - 07D	390×230×255	3.4	/

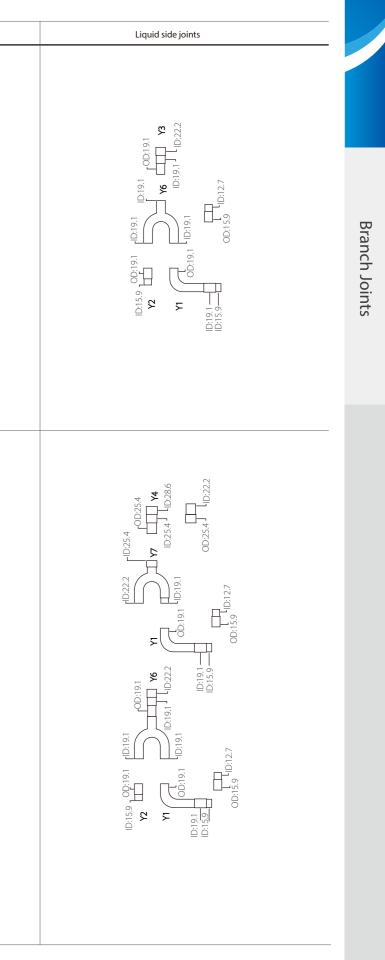
Dimensions

Outdoor Branch Joints

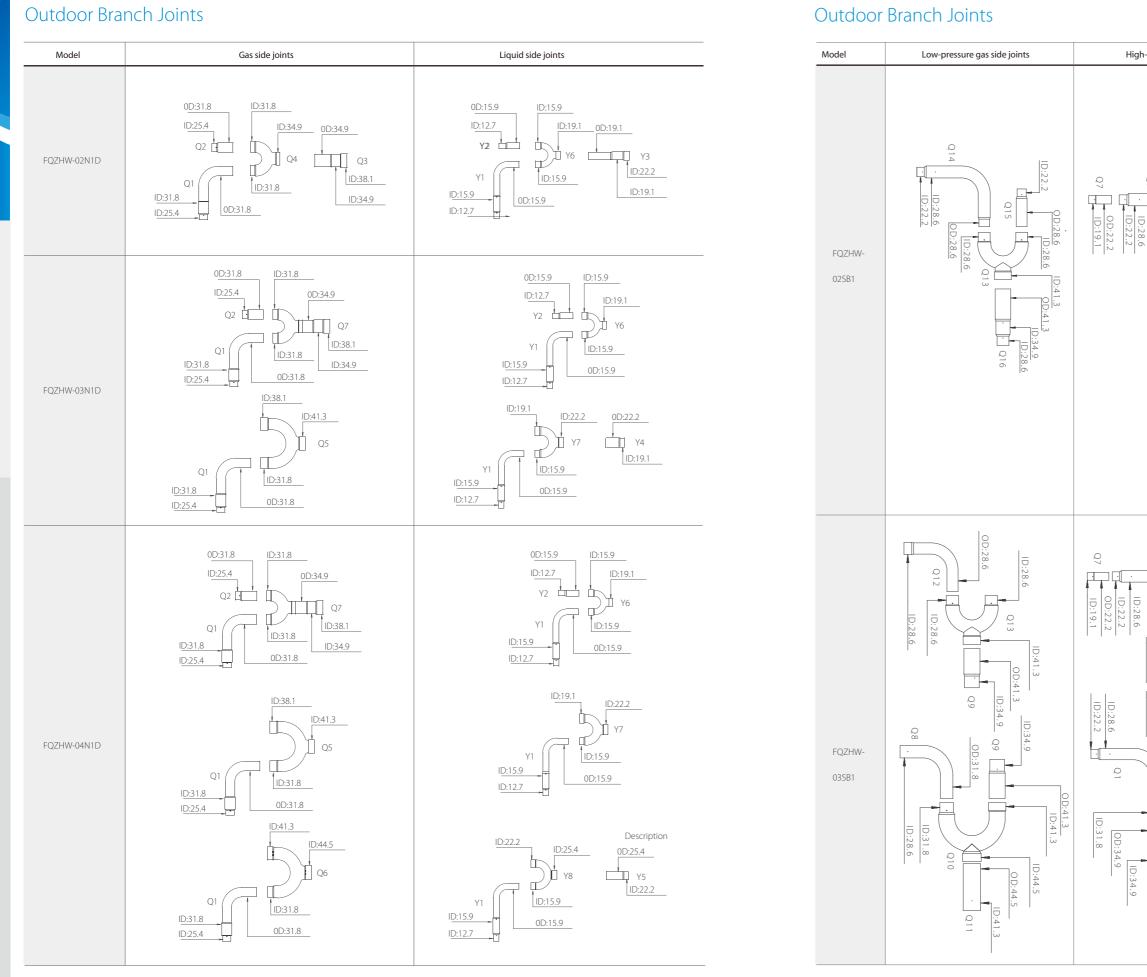
Model	Gas side joints
FQZHW-02N1E	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
FQZHW-03N1E	$ \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c}$

For DX AHU Control Box

Туре	Appearance	Model	PackedDimensions mm	GrossWeight kg	Note
		FQZHD - 01	240×80×80	0.3	/
Branch joints for DX AHU control box		FQZHD - 02	280×90×90	0.5	1
		FQZHD - 05	310×130×125	0.7	/
		FQZHD - 04	310×130×125	0.9	1

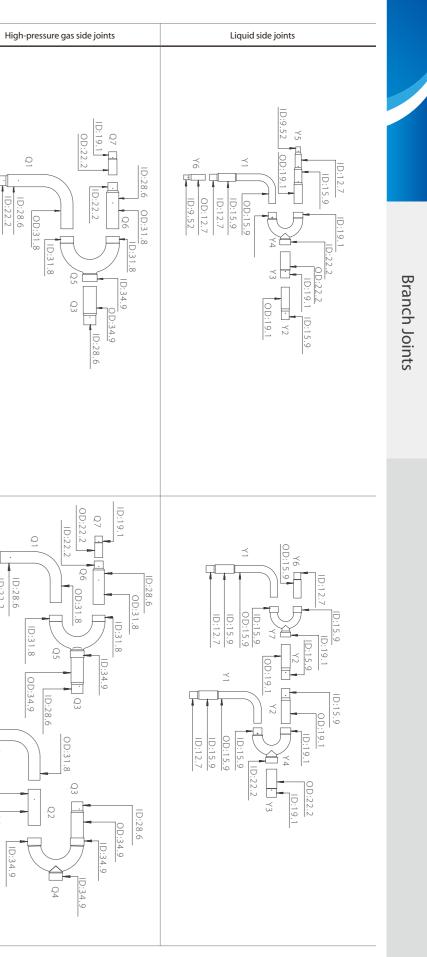


Outdoor Branch Joints

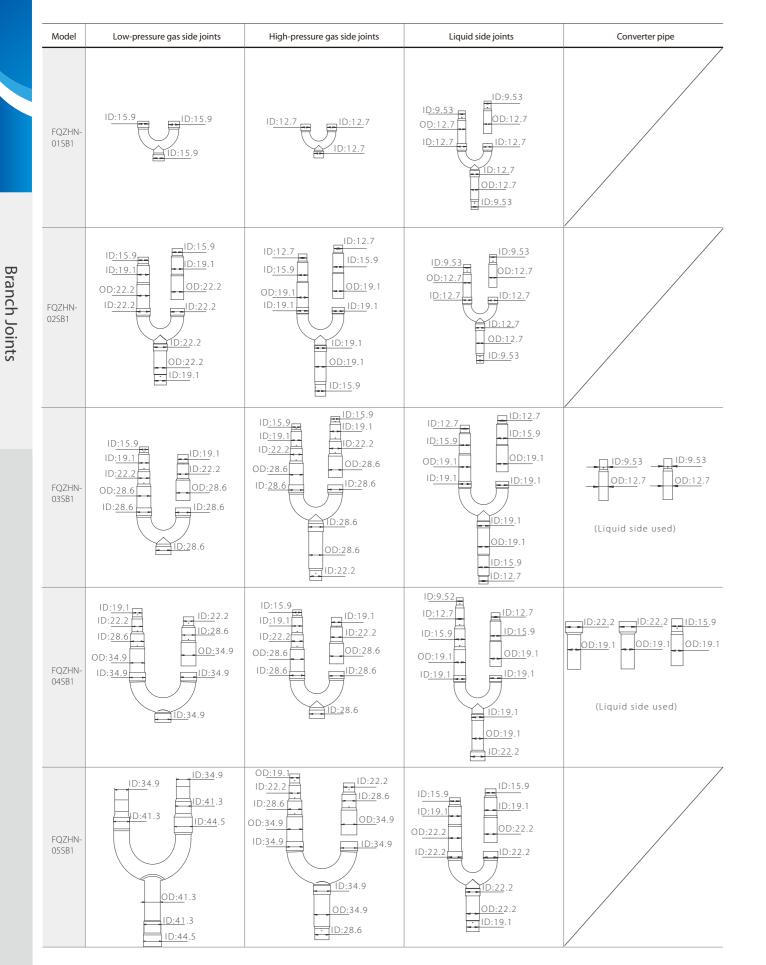


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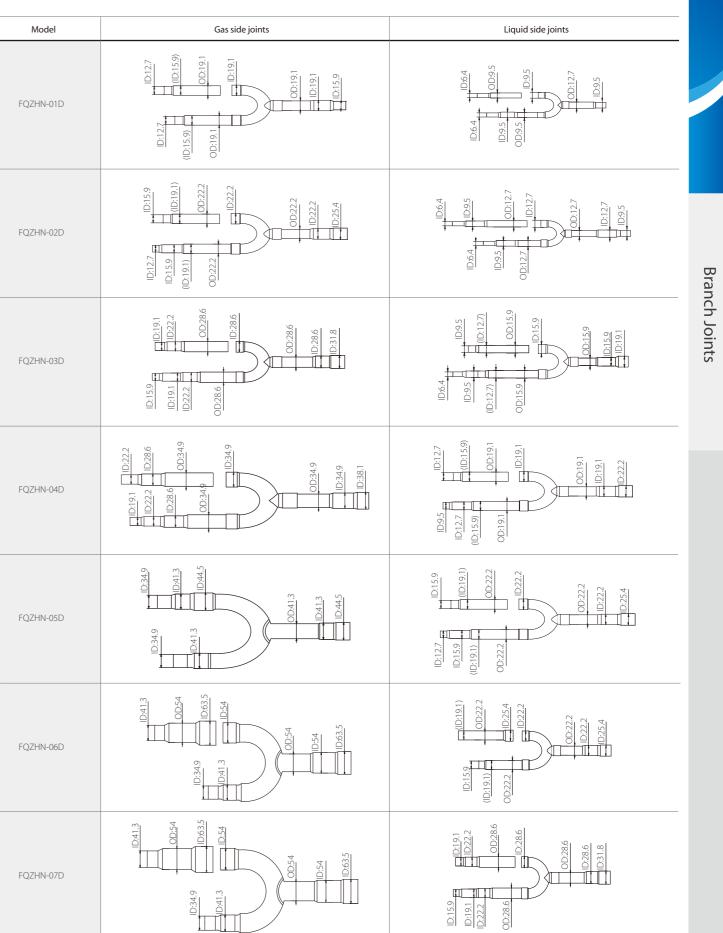
Branch Joints



Branch Joints between MS and Outdoor Unit



Indoor Branch Joints



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DX AHU Control Box Branch Joints

Branch Header

For Indoor Units

