

SMART IN ONE

Midea Building Technologies Division
Midea Group

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

nbt.midea.com www.midea-group.com tsp.midea.

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







Midea MBT

Midea MBT (Midea Building Technologies) is a key division of the Midea Group, a leading provider of comprehensive solutions for intelligent buildings. It specializes in energy sources, elevators, control systems, and heating, ventilation & air conditioning. Midea MBT continues the tradition of innovation upon which it was founded and has emerged as a global leader in the HVAC and building management industry. A strong

businesses make up the core of Midea intelligent building solutions.



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



construction



Noise

Environmental Reliable & Simulation long-lasting operation



Performance



drive for advancement has resulted in an extensive R&D department that has placed Midea MBT at the forefront of the competition. Through independent projects and joint-cooperation with other global enterprises,

Midea has supplied thousands of innovative solutions to customers worldwide.

4 production bases can achieve fast delivery.



All products can be visualized and digitalized throughout entire process.



Midea VRF History





- Cooperated with Toshiba in inverter
- Launched V3 Series VRF AC inverter + fixed compressor
- Maximum capacity of
- Launched **V5X** Series VRF Launched V4,

D4 Series VRF

product line

series, heat

and water -

Maximum

cooled series.

recovery series

Complete

inverter technology Maximum with heat pump capacity of single unit is

22HP

• Full DC



- Full DC inverter
- technology Maximum capacity of single unit is 36HP



Series VRF • Full DC inverter

VC Pro Series

VRF and heat

recovery V6R

technology Maximum capacity of single unit is 32HP

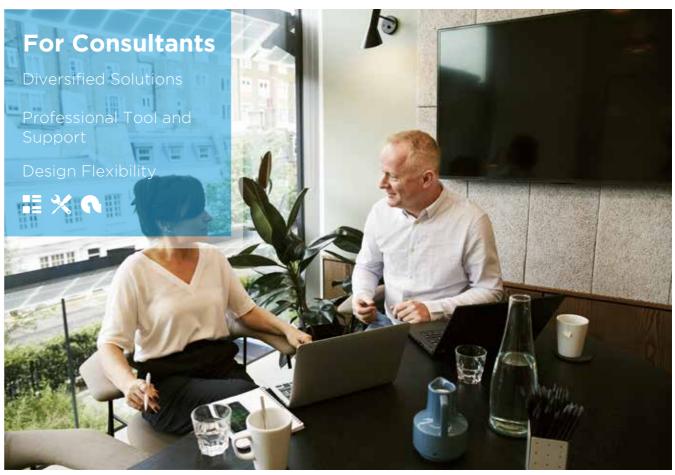




Benefits of Midea VRF









Application Solutions

Office Complexes

Enjoy comfort while working

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



Hotels & Shopping Malls

Increase your business, not your bills

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



Residential Apartments

One for every home

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



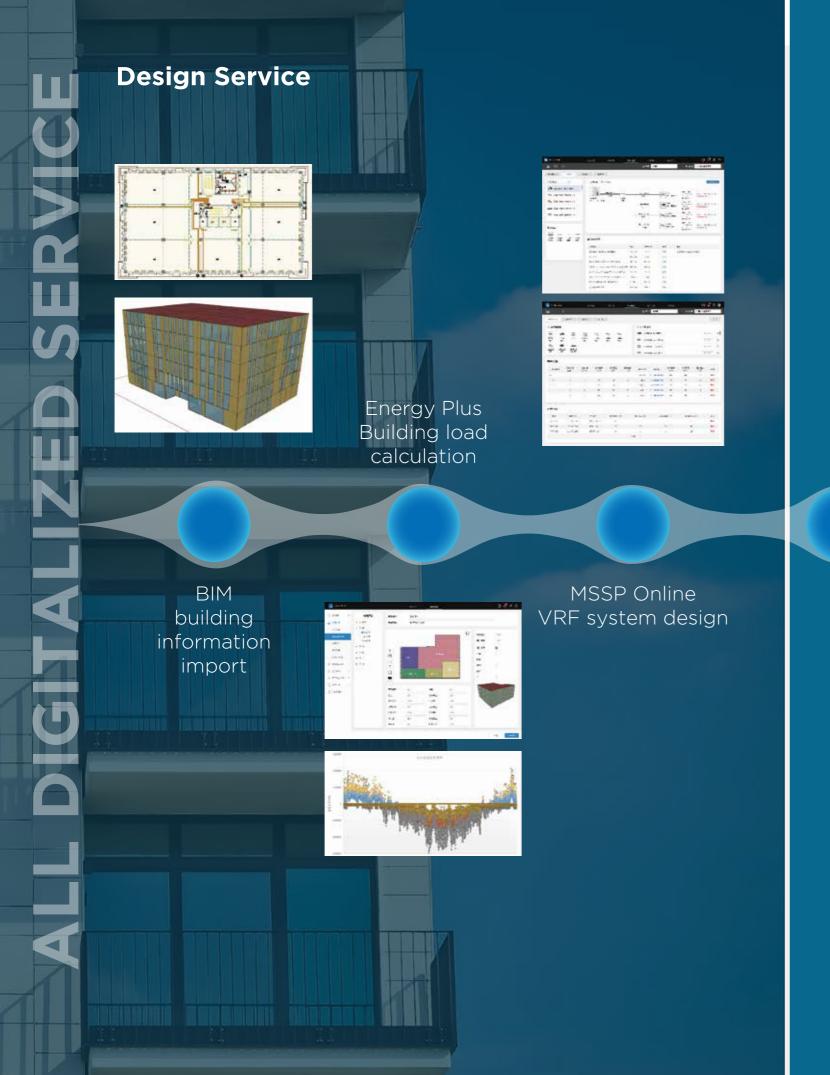
Hospitals/ Schools/ Airports

Meeting all expectations

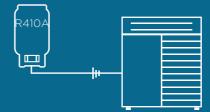
The innovative design and variety of indoor unit options make Midea VRF suitable for all kinds of applications. The newly designed puro-air kit is perfect for modern hospitals.







Installation service



Automatic refrigerant charge

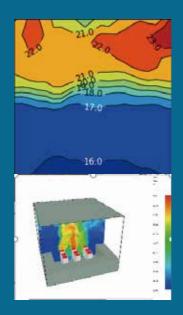




Automatic commissioning report



MCFD
Energy consumption
and airflow simulation
optimization



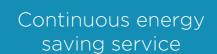
Management service



The probability of Filth blockage 80%



Degradation of energy efficiency 25%





After-sales service



Intelligent maintenance tool



Cloud-based big data analytics



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



Technical Support Platform (TSP)

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

https://tsp.midea.com/





My order

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

Document inquiry and download

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

Technical inquiry & FAQ

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

Troubleshooting

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

Complain

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

Mobile Intelligence Service App (MISA)

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

https://link.midea.com





FAQ

Help Center

Complain



Technical Enquiry



Trouble

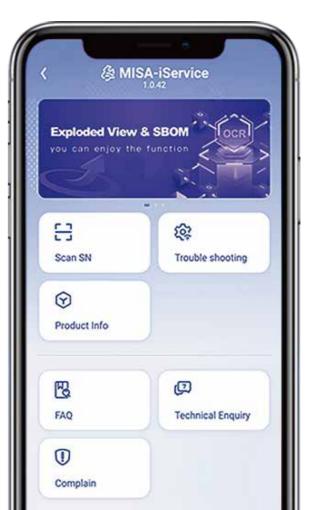


shooting





Scan to download the mobile app





Search product manuals



Spare parts list





Thank you for your attention and feedback

Midea Global Spare Parts Center

Mexico

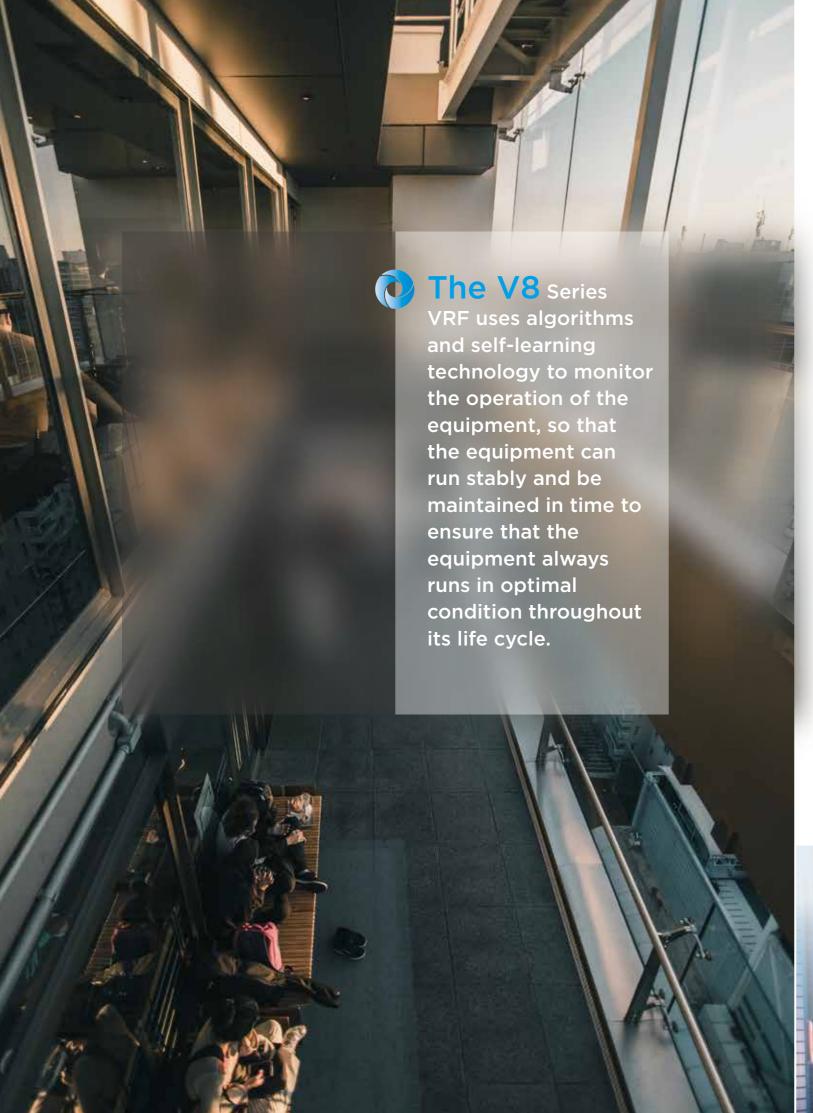
Brazil

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

The "2 (HQ spare parts center) + 10 (Regional spare parts center) + 10 (Country spare parts inventory)" Spare Parts Layout can ensure the timely supply of after-sales spare parts around the globe.







Outdoor Unit Lineup

V8 (Combinable series)

HP	8-18	20-26	28-36
Single Unit	VB See	VB →	YES



 $Note: Four \ unit \ combinations \ are \ possible \ for \ 8-24 \ HP \ models. \ For \ four \ unit \ combinations \ please \ contact \ Midea.$

V8i (Individual series)

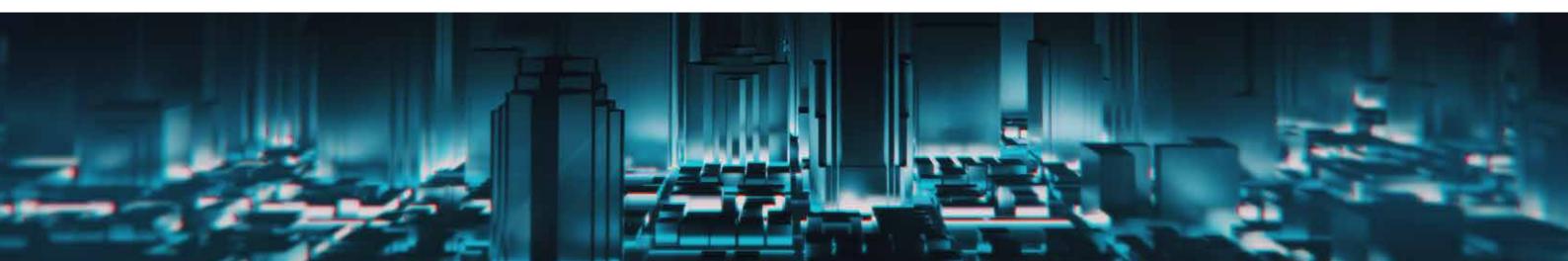
HP	8-18	20-26	28-36
Single Unit	VB See	VB >	YB .



Outdoor Unit Functions

		Functions	V8	V8i
•:	equipped as standard;	O: customization option; x: function not available	V •	VOI
	HyperLink	Midea original communication bus chip greatly simplifies installation and saves installation costs	•	•
ogies	ShieldBox	IP55 Fully sealed electric control box realizes resisting all protects against intrusion and damage to the electric control box	•	•
Fechnolo	SuperSense	19 sensors monitor the state of each part of the refrigerant pipeline throughout the whole process	•	•
Innovative Technologies	Meta 2.0	Triple variable control maximizes comfort and energy efficiency	•	•
uu	Zen air 2.0	Provides comfort and healthy air supply	•	•
	Doctor M 2.0	Intelligent diagnostic technology makes maintenance easier and more efficient	•	•
	Full DC inverter technology	All electrical components of outdoor and indoor units use DC power supply, improving electrical efficiency and saving energy	•	•
	Enhanced Vapor Injection (EVI) compressor	Increases refrigerant circulation and improves both cooling and heating capacity	•	•
High Efficiency	Micro-channel refrigerant subcooling	The refrigerant system can achieve 15°C refrigerant subcooling, which can further improve the refrigerant heat transfer efficiency while reducing noise	•	•
High Eff	Low standby power consumption	The standby power consumption is as low as 3.5W	•	•
	G-type heat exchanger	Large capacity outdoor unit with G-type heat exchanger, which can increase the heat exchanger area and saves floor space	•	•
	60-step energy manage- ment	The system can be set from 40% to 100% capacity output in 1% increments	•	•
	Duty cycling (unit)	Equalizes the running time of the outdoor units in a multiple-unit system,significantly extending unit lifespan (available for combined units)	•	×
	Duty cycling (compressor)	Equalizes the running time of the compressor in each unit, significantly extending compressor lifespan (available for units with two compressors)	•	•

		Functions	Vo.	Vo:
●:	equipped as standard;	O: customization option; x: function not available	V8	V8i
	Backup operation (unit)	If one unit fails, the other units provide backup so that the system can continue operating (available for combined units)	•	X
	Backup operation (compressor)	If one compressor fails, the other compressor provides backup so that the system can continue operating (available for units with two compressors)	•	•
	Backup operation (fan motor)	If one fan motor fails, the other fan motor provides backup so that the system can continue operating (available for unit units two fan motors)	•	•
	Backup operation (sensor)	If one sensor fails, the virtual sensor provides backup so that the system can continue operating	•	•
	Precise oil control	Ensures all outdoor compressor oil is at a safe level, eliminating compressor oil shortages	•	•
	Heavy anti-corrosion protection	Can be customized with heavy anti-corrosion treatment for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful life	0	0
	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	0	0
High Reliability	Micro-channel refrigerant cooling PCB	10 times higher than ordinary refrigerant pipe cooling efficiency	•	•
ligh Re	Chassis electrical heater	Prevents condensation on the chassis from freezing in winter	0	0
-	Anti-snow shield	Prevents snow from accumulating on the outdoor unit, guaranteeing stable unit operations on snowy days	0	0
	Auto snow-blowing function	Blows away accumulated snow on the outdoor unit, guaranteeing stable unit operations on snowy days	•	•
	Auto dust-clean function	Blows away accumulated dust on the outdoor unit, guaranteeing stable unit operations in a dusty environment	•	•
	Resistant to magnitude 8 earthquakes	A reinforced frame footprint to prevent tipping and deformation damage in magnitude 8 earthquakes	0	0
	Resistant to violent typhoon	A reinforced trusses and double fastening for stable operation even under violent typhoon	0	0
	Alarm output	In the event of system malfunction, remotely output error information and remind maintenance personnel to conduct maintenance	0	0
	Fire alarm input	In the event of fire, receive fire information in time and stop the system immediately to avoid serious problems	•	•



Outdoor Unit Functions

		Functions	- V8	V8i
•:	equipped as standard;	O: customization option; x: function not available	Vo	VOI
	Silent mode	15-step silent mode selections provide more freedom and convenience to match the needs of customers	•	•
	Intelligent defrosting technology	Calculates the time required for defrosting according to the actual system status, eliminating heat losses from unnecessary defrosting	•	•
Comfort	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature (available in changeover priority mode)	•	•
Enhanced Comfort	Additional ambient temperature sensor	The additional external ambient temperature sensor can detect the true outdoor ambient temperature, correctly judge whether the system is running in cooling or heating in auto priority mode, ensuring indoor comfort	0	0
	0.1 °C control precision	Control precision of the sensor can reach 0.1°C, ensuring less fluctuations in room temperature	•	•
	Multiple priority modes	10 priority modes meet the requirements of all scenarios	•	•
<u> </u>	Wide capacity range	Meets all customer requirements from small to large buildings	8-36HP (single) 38-108HP (combined)	8-36HP
Wide Application Range	Wide range of indoor units	Provides 12 types and more than 100 models of VRF indoor units to meet the needs of different application scenarios	•	•
de Applica	Wide operation range	Operates stably under extreme conditions	-15-55°C (C) -30-30°C (H)	-15-55°C (C) -30-30°C (H)
Ņ	Long piping capability	Benefits for the system design, installation flexibility, as well as the less installation cost	•	•
	Auto addressing (ODU-IDU)	Distributes addresses to indoor units automatically, simplifying the installation	•	•
	Auto addressing (ODU-ODU)	Distributes addresses to slave outdoor units automatically, further simplifying the installation (available for combined units)	•	×

	Functions	Vo	Voi
equipped as standard;	O: customization option; x: function not available	V8	V8i
Automatic refrigerant charging	Makes installation and service easier and more efficient	0	0
Automatic refrigerant recycling	Refrigerant can be recycled to ODUs or IDUs and normal ODUs, making the maintenance easier and more efficient	•	•
Bluetooth module	It can be used for fault information storage, operation parameter enquiry, system parameter setting, quick after-sales PCB replacement, programme upgrade for indoor and outdoor units, etc., simplifying installation and maintenance.	0	0
Digit display	4 digit 7-segment display can be intuitive for parameter setting, parameter checks and error checks	•	•
High external static pressure	Up to 120Pa ESP allows easy handling in a variety of installation environments	0-20Pa • 20-120Pa •	0-20Pa 20-120Pa
Arbitrary topology of communication wire	Supports any communication topology, greatly simplifies installation and reduces installation cost	•	•
2-core non-polarity communication wiring between the indoor and outdoor units	Simplifies installation and reduces wiring failures	•	•
Long communication wiring	Communication wiring up to 2000m makes installation more flexible	•	•
Wide combination ratio	Combination ration can be extended to 50%-200% under certain conditions which can meet different project requirements	50-130% 50-200% (for single unit system)	50-130% 50-200%
Supports manual and automatic defrosting	Improves maintenance efficiency	•	•
Supports manual and automatic oil return	Improves maintenance efficiency	•	•
Easy software program upgrade	The software program can be upgraded via on-site USB and burning, or remotely via the web	•	•
Flexible controller connection	Central controller and BMS gateway can connect to the ODU at the same time, and the central controller can connect to the ODU or IDU	•	•
Refrigerant amount diagnosis	The unit can diagnose excessive or insufficient amounts of refrigerant, and prompt maintenance personnel to check the system in time to avoid serious malfunction	•	•
Easy system commissioning and checking	System commissioning and checking can easily be completed on-site or remotely via the web	•	•
Intelligent maintenance tool	Intelligent bluetooth after-sales kit can simplify maintenance and improve maintenance efficiency	0	0

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



INNOVATIVE

TECHNOLOGIES







SuperSønse New & Unique

ETA 2.0



DOCTOR m. 2.0

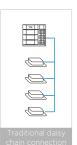
Midea's original communication bus chip greatly simplifies installation and saves installation costs.

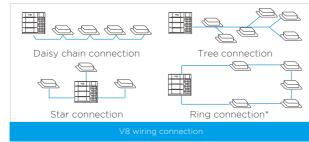


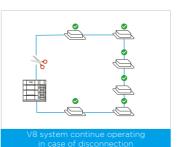
HyperLink communication technology supports any wiring pattern rather than just daisy chain connection, reducing installation costs and the possibility of an incorrect connection. It has stronger anti-interference ability, achieving a communication distance of up to 2000m.

Arbitrary Topology Communication

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





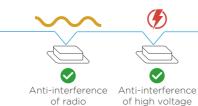


*In ring connection, the communication wire must be connected polarized (M1 port to M1 port and M2 port to M2 port). Super Anti-interference Capability

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



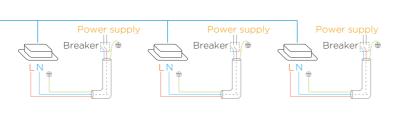






Flexible Power Supply for Indoor Units

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





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







High reliability



Stable operation

■ IP (INGRESS PROTECTION)

Dustproof grade code bjects and dust

Prevent water spray n all directions



Fully enclosed electronic components are isolated from the external environment to protect against corrosion, sand, humidity, snowstorms and other harsh conditions, and prevent small animals and insects from entering the chamber. This protects internal electronic devices and improves the overall environmental tolerance.

All Microchannel Refrigerant Cooling

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



Built-in Circulating Fan

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



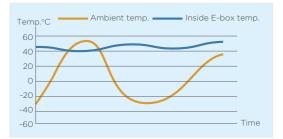
PTC Heater

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



5 High Precision Temperature Sensors

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





The status of the refrigerant can be determined throughout the process, ensuring high **RELIABILITY** and **COMFORT**.





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

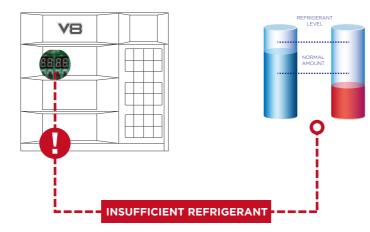
Complete Sensors

The V8 Series VRF features the industry's most comprehensive range of 19 condition sensors with built-in data models for compressors, heat exchangers, throttling components and more. By analyzing sensor data in real time, it can sense the status of the refrigerant anywhere in the system.



Refrigerant Amount Diagnosis

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



Virtual Sensor Backup

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



Midea ETA (META) 2.0

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











Energy saving



Enhanced comfort



Fast cooling/heating

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



Variable Refrigerant Flow

STEP 1: Architectural space feature recognition

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





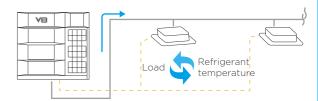
Automatic calculation of the building load and the required refrigerant quantity based on the sensor parameters.



Variable Refrigerant Temperature

STEP 2: System refrigerant temperature determination

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



Automatic matching of the corresponding refrigerant temperature to the load.



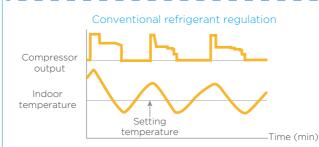
Variable Indoor Airflow

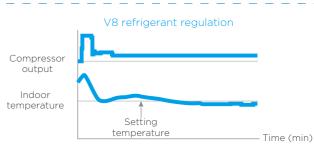
STEP 3: Adaptive indoor airflow and refrigerant flow

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



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





Zen Air 2.0

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





Benefits



Quiet



Enhanced comfort



Healthy

0.5°C temperature adjustment, 7 fan speeds selection, sleep mode, silent mode, windless technology, high efficiency filter, a variety of sterilization devices and other advanced technologies used in V8 Series VRF are dedicated to creating a quiet, comfortable and healthy indoor environment.

360° Airflow

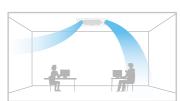
New design, round air flow path ensures uniform air flow and temperature distribution





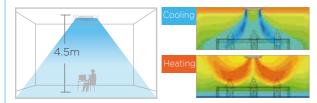
Individual Louver Control

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



Long Distance Air Delivery*

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



*This function is available as a customization option.

7 Fan Speeds

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

7 fan speeds





Sleep Mode

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



Innovative Puro-air Kit





*The indoor unit needs to be customized in order to use the

Doctor M 2.0

Further upgraded DOCTOR M technology to maximize EASY SERVICE.



Benefits



Easy maintenance



Fast maintenance



Low maintenance cost

Based on a cloud-based platform of big data and artificial intelligence, the V8 Series VRF can monitor the operation status of each unit in real time, predict system faults in advance and provide data analysis for system maintenance. The intelligent Bluetooth module and special Bluetooth after-sales kit can further simplify maintenance and improve maintenance efficiency.

Intelligent Maintenance Tool

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



*The Bluetooth module is available as a customization option.

Real-time Monitoring of Operating Parameters

The V8 Series VRF synchronizes and stores all the unit parameters to the cloud through the data cloud gateway, including the running status, locking status, dirty blocking rate, all spot inspection parameters and so on. Users can query real-time and historical parameters on computers, tablets and mobile phones at any time.



Cloud-based Big Data Analytics

Midea V8 Series VRF transmits the system operation data to the cloud in real time through the data cloud gateway, and timely reminds the system of abnormal conditions through big data analysis, helping users to proactively avoid the risk of failure that has not yet occurred and minimize hidden problems.



^{*}The data cloud gateway needs to be purchased separately.

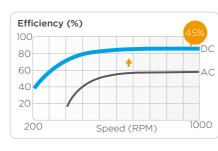
High Efficiency

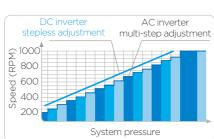
Inverter Technology

Full DC Inverter for Outdoor Components

The V8 Series VRF uses full DC inverter compressor and fan motor to achieve high precision stepless speed adjustment according to system operation, and ensures that the system is always in optimum condition, operating more efficiently, more consistently and with less noise.









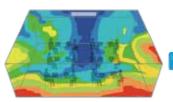
All power devices such as indoor fan motor, drain Full DC Inverter for Indoor Components pump and electric control board are fully DC, which increases electrical efficiency by 20% and results in more accurate temperature control, a more constant indoor temperature and higher energy efficiency.



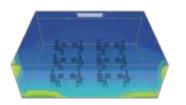








Uneven temperature

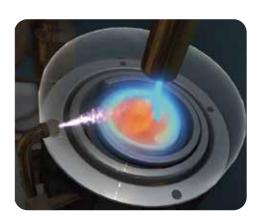


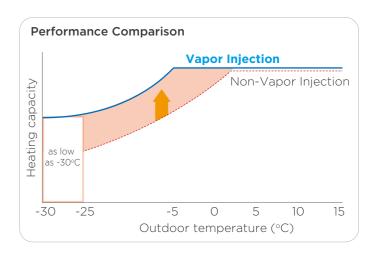
Uniform temperature distribution



Enhanced Vapor Injection (EVI) Compressor

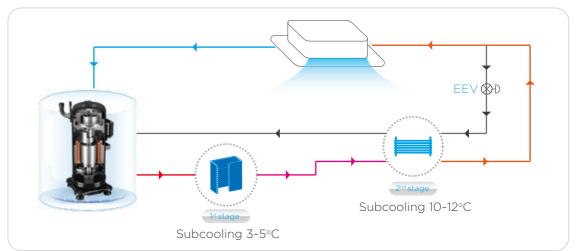
The enhanced vapor injection DC inverter compressor increases refrigerant circulation and improves both cooling and heating capacity.





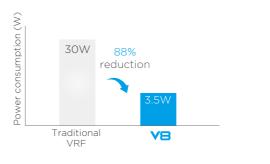
Advanced Subcooling Technology

The V8 Series VRF uses a micro-channel heat exchanger to further cool the refrigerant and the refrigerant system can achieve 15°C refrigerant subcooling, which can further improve the refrigerant heat transfer efficiency while reducing the sound of refrigerant flow.



Low Standby Power Consumption

Compared to the standby power consumption of traditional VRF of about 30W, the V8 Series VRF uses optimized control scheme to further reduce standby power consumption to as low as 3.5W.



% 60-step Energy Management

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





Quadruple Backup

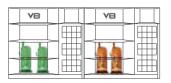
In two fans, two compressors and multiple units, one can run in backup for another. Additionally, the V8 series VRF generates a corresponding virtual sensor for each physical sensor by means of a digital algorithm, which serves as a backup for each other, ensuring no shutdown in the event of a fault, and further guaranteeing comfort.

1 Unit Backup

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



Intelligent load-bearing between units during normal operation



Continue operating in case of failure of one unit

3 Compressor Backup

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



Intelligent
load-bearing
between
compressors
during normal
operation



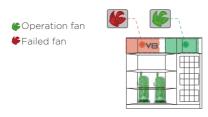
Continue operating in case of failure of one compressor

2 Fan Backup

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



In normal operation, each fan runs on demand



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

4 Sensor Backup New & Unique

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

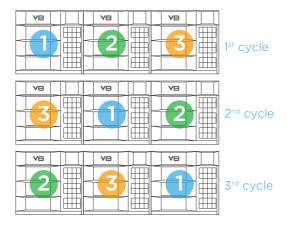


Automatic backup operation of the corresponding virtual sensor in case of failure of one physical sensor

M Double Duty Cycling

1 Unit Duty Cycling

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



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

2 Compressor Duty Cycling

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



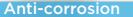


Compressor start-up sequence

ShieldBox

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











SuperSense

V8 Series VRF uses up to 19 sensors for each outdoor unit and 4 sensors for each indoor unit. The operating status of the system refrigerant is clearly visible, which can achieve intelligent analysis of operation parameters, intelligent error diagnosis and forecasting, and visualized energy saving.



Precise Oil Control

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





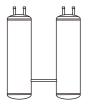
Compressor internal oil separation.





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.

3



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



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

Heavy Anti-corrosion Protection*

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



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

UL Anti-Corrosion Certificate*

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

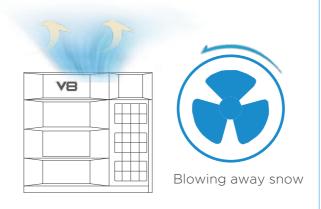
*UL anti-corrosion certificate is available for heavy anti-corrosion treatment units.

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



Auto Snow-blowing Function

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



M Auto Dust-clean Function

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



Resistant to Magnitude 8 Earthquakes*

The V8 Series VRF has a reinforced frame footprint to prevent tipping and deformation damage and can still operate normally in magnitude 8 earthquakes.



*This function is available as a customization option.

Resistant to Violent Typhoons*

The V8 Series VRF has reinforced trusses and double fastening for stable operation even under violent typhoons (Category 17).

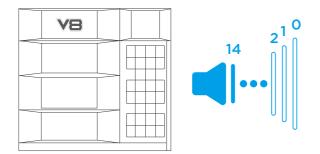


*This function is available as a customization option.



M Advanced Silent Technology

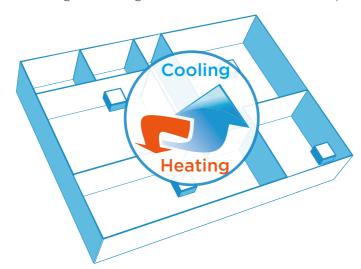
15-step silent mode provide more freedom and convenience to match the customer needs.



15 silent options

M Auto Cooling-heating Changeover

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



10 Priority Modes

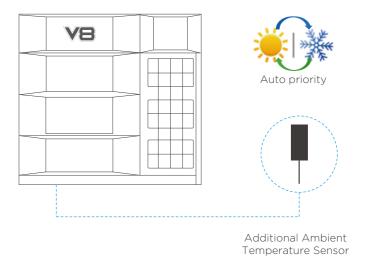
10 priority mode options provide more freedom and convenience to match the customer needs.



Additional Ambient Temperature Sensor*

The V8 Series VRF can be equipped with an additional external ambient temperature sensor to determine whether the system is operating in cooling or heating in auto priority mode. For some installations, the ambient temperature sensor fixed on the unit cannot detect the true ambient temperature, resulting in the system operating in an inappropriate mode and affecting indoor comfort. The external ambient temperature sensor can detect the true outdoor ambient temperature, and correctly judge whether the system is running in cooling or heating mode, ensuring indoor comfort.

*This function is available as a customization option.

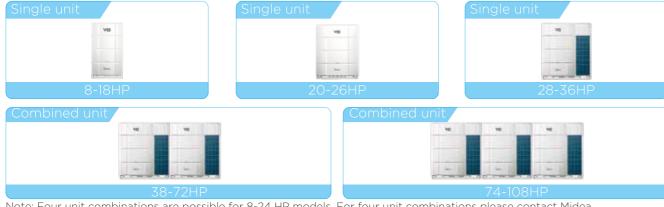




Wide Capacity Range

The V8 Series VRF are available in individual series and combinable series. The individual series has capacities from 8HP to 36HP and the combinable series from 8HP to 108HP, perfectly suited for small to large buildings.

V8 - Combinable Series



Note: Four unit combinations are possible for 8-24 HP models. For four unit combinations please contact Midea.

V8i - Individual Series







Wide Range of Indoor Units

The V8 Series VRF offers 12 types of over 100 models of indoor units to meet different scenarios of applications such as offices, shopping malls, hotels, airports, schools, hospitals, etc.



Wide Operation Range

Thanks to the EVI compressor and refrigerant cooling technology, the V8 Series VRF can operate at temperatures as low as -30°C for heating and up to 55°C for cooling.

It also supports continuous operation in temperatures of up to 60°C to cope with short periods of extreme heat.





M Long Piping Capability

The V8 system can support a total piping length of up to 1100m, an installation height difference of up to 110m between indoor and outdoor units, and up to 40m between indoor units, making the V8 Series VRF adaptable to a wide range of building designs.

Total piping length: 1100m

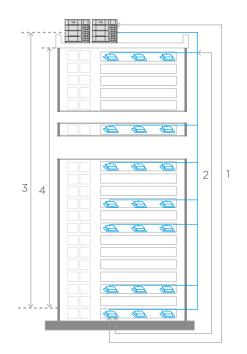
1 Longest piping length - actual (equivalent): 220(260)m

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

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

4 Level difference between IDUs: 40m

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



Easy Installation and Service

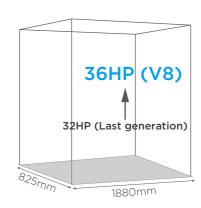
% Free Wiring

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



Space Saving

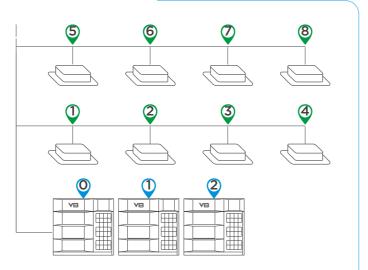
The V8 Series VRF has large capacity and small size, with a capacity of up to 36 HP in a single unit. A single unit can provide cooling/heating for a space of 400m². The space-saving advantages are particularly obvious for large projects.





Auto Addressing

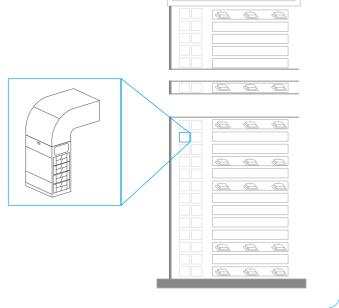
Addresses for all indoor units and combined outdoor units can be assigned automatically by the V8 system, further simplifying installation.



External Static Pressure up to 120Pa*

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

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



M Automatic Refrigerant Charging*

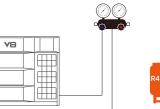
Compared to manual refrigerant charging, automatic refrigerant charging greatly simplifies the process, making installation and maintenance easier and more efficient.

Manual refrigerant charging

- Calculate additional refrigerant
- Connect refrigerant tank to the outdoor unit & start the filling process
- Observe the weight scale to check the refrigerant charge
- Close the shut-off valve manually & finish the filling process
- *This function is available as a customization option.

Automatic refrigerant charging

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

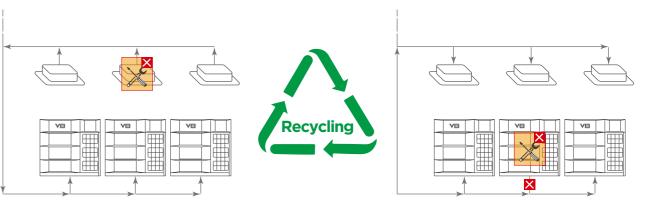






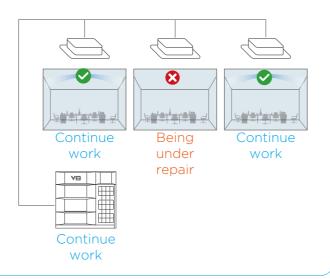
M Automatic Refrigerant Recycling

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



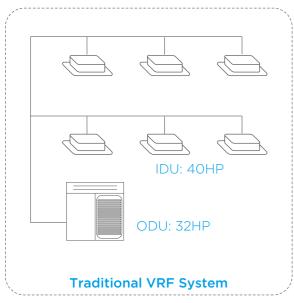
Maintenance Mode

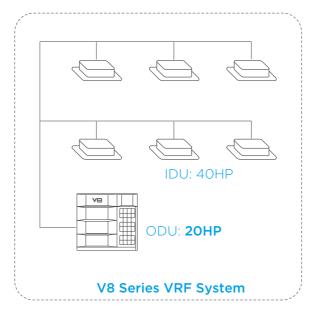
The maintenance mode allows the shutdown of some indoor units without shutting down the whole VRF system, and it can be activated on site during the maintenance period as the remaining indoor units continue to operate.



Wide Combination Ratio*

Compared to traditional VRF with combination ratio of 50-130%, the V8 Series VRF can be extended to 50-200%, and the wider combination ratio allows for more flexible system configuration. The larger combination ratio can be applied to long-term part-load operation scenarios, allowing for further reduction in installation costs.





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

Zeros Software Program Upgrade

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

*The data cloud gateway needs to be purchased separately.



Maintenance Tool

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

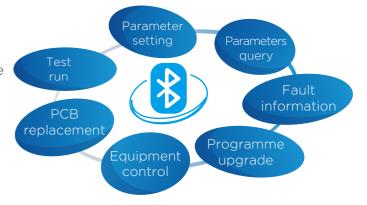
Useful in the following situations:

- Installation
- Service maintenance



Main functions:

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



Specifications

V8 (Combinable series)

HP			8	10	12	14		
Model name			MV8-252WV2GN1(PRO)	MV8-280WV2GN1(PRO)	MV8-335WV2GN1(PRO)	MV8-400WV2GN1(PRO)		
Power supply		V/Ph/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)		
	Cit	kW	25.2	28	33.5	40		
0 - 1 - 1	Capacity	kBtu/h	86.0	95.5	114.3	136.5		
Cooling ¹	Power input	kW	5.3	6.8	8.3	9.9		
	EER		4.76	4.14	4.06	4.05		
	Capacity	kW	27	31.5	37.5	45		
1112	Сарасіту	kBtu/h	92.1	107.5	128.0	153.5		
Heating ²	Power input	kW	5.4	6.6	8.5	10.2		
	COP		5.03	4.76	4.43	4.40		
Connected	Total capacity			50-130% of outdoor unit capacity				
indoor unit	Maximum quantity	/	13	16	19	22		
Compressor	Туре		DC inverter	DC inverter	DC inverter	DC inverter		
Compressor	Quantity		1	1	1	1		
	Туре		DC	DC	DC	DC		
Fan	Quantity		1	1	1	1		
rdii	Static pressure	Pa	0-20 (standard)20-120 (customized)					
	Airflow rate	m³/h	12600	12600	13500	15600		
Refrigerant	Туре		R410A	R410A	R410A	R410A		
Reirigerant	Factory charge	kg	7	7	7	8		
Pipe connections ³	Liquid pipe	mm	Ф12.7	Ф12.7	Ф12.7	Ф15.9		
Pipe connections	Gas pipe	mm	Ф25.4	Ф25.4	Ф25.4	Ф28.6		
Sound pressure leve	èl ⁴	dB(A)	56	57	59	59		
Net dimensions (W×H×D)		mm	940×1760×825	940×1760×825	940×1760×825	940×1760×825		
Packed dimensions (W×H×D)		mm	1010×1945×890	1010×1945×890	1010×1945×890	1010×1945×890		
Net weight		kg	195	195	195	213		
Gross weight		kg	213	213	213	230		
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55		
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30		

HP			16	18	20	22		
Model name			MV8-450WV2GN1(PRO)	MV8-500WV2GN1(PRO)	MV8-560WV2GN1(PRO)	MV8-615WV2GN1(PRO)		
Power supply		V/Ph/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)		
	Capacity	kW	45	50	56	61.5		
Ca alia al	Сарасіту	kBtu/h	153.5	170.6	191.1	209.8		
Cooling ¹	Power input	kW	11.7	12.8	15.1	17.9		
	EER		3.83	3.91	3.71	3.43		
	Capacity	kW	50	56	63	69		
Heating ²	Сарасіту	kBtu/h	170.6	191.1	215.0	235.4		
Heating	Power input	kW	11.7	13.5	15.3	17.6		
	COP		4.27	4.15	4.13	3.91		
Connected	Total capacity			50-130% of outdoor unit capacity				
indoor unit	Maximum quantity	1	26	29	32	35		
Compressor	Туре		DC inverter	DC inverter	DC inverter	DC inverter		
Compressor	Quantity		1	1	2	2		
	Туре		DC	DC	DC	DC		
Fan	Quantity		1	1	2	2		
raii	Static pressure	Pa	0-20 (standard)20-120 (customized)					
	Airflow rate	m³/h	15600	16500	22000	22000		
Refrigerant	Туре		R410A	R410A	R410A	R410A		
Reirigerant	Factory charge	kg	8	8.4	9.3	9.3		
Pipe connections ³	Liquid pipe	mm	Ф15.9	Ф15.9	Ф15.9	Ф15.9		
Pipe connections	Gas pipe	mm	Ф28.6	Ф28.6	Ф28.6	Ф28.6		
Sound pressure leve	<u> </u> 4	dB(A)	60	61	62	62		
Net dimensions (W×H×D)		mm	940×1760×825	940×1760×825	1340×1760×825	1340×1760×825		
Packed dimensions (W×H×D)		mm	1010×1945×890	1010×1945×890	1410×1945×890	1410×1945×890		
Net weight		kg	213	215	295	295		
Gross weight		kg	230	232	315	315		
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55		
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30		

- 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 of the unit's stop valves.

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

HP			24	26	28	30
Model name			MV8-670WV2GN1(PRO)	MV8-730WV2GN1(PRO)	MV8-785WV2GN1(PRO)	MV8-850WV2GN1(PRO)
Power supply		V/Ph/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
	Canacity	kW	67	73	78.5	85
Caaliaal	Capacity	kBtu/h	228.6	249.1	267.9	290.0
Cooling ¹	Power input	kW	19.0	21.0	24.0	27.2
	EER		3.52	3.47	3.27	3.12
	Capacity	kW	75	81.5	87.5	95
1112		kBtu/h	255.9	278.1	298.6	324.2
Heating ²	Power input	kW	19.0	21.0	24.2	27.6
	COP		3.95	3.88	3.62	3.44
Connected	Total capacity		50-130% of outdoor unit capacity			
indoor unit	Maximum quantity		39	42	45	48
C	Туре		DC inverter	DC inverter	DC inverter	DC inverter
Compressor	Quantity		2	2	2	2
	Туре		DC	DC	DC	DC
Fan	Quantity		2	2	2	2
Fan	Static pressure	Pa		0-20 (standard)20)-120 (customized)	
	Airflow rate	m³/h	21500	21500	29000	28000
Dofrigorant	Туре		R410A	R410A	R410A	R410A

12

Ф15.9

Ф28.6

62

1340×1760×825

1410×1945×890

315

335

-15 to 55

-30 to 30

19

Ф22.2

Ф31.8

63

1880×1760×825

1935×1945×890

373

403

-15 to 55

-30 to 30

12

Ф15.9

Ф28.6

62

1340×1760×825

1410×1945×890

315

335

-15 to 55

-30 to 30

43/44

21

Ф22.2

Ф34.9

64

1880×1760×825

1935×1945×890

405

435

-15 to 55

-30 to 30

HP			32	34	36	
Model name			MV8-900WV2GN1(PRO)	MV8-950WV2GN1(PRO)	MV8-1010WV2GN1(PRO)	
Power supply		V/Ph/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	
	Capacity	kW	90	95.2	101	
Cooling ¹	Capacity	kBtu/h	307.1	324.2	344.6	
	Power input	kW	30.2	32.5	35.4	
	EER		2.98	2.93	2.85	
	Capacity	kW	100	106	112	
11ti2	Capacity	kBtu/h	341.2	361.7	382.2	
Heating ²	Power input	kW	30.2	32.2	34.7	
	COP		3.31	3.29	3.23	
Connected	Total capacity			50-130% of outdoor unit capacity		
indoor unit	Maximum quantity	/	52	55	58	
Compressor	Туре		DC inverter	DC inverter	DC inverter	
Compressor	Quantity		2	2	2	
	Туре		DC	DC	DC	
Fan	Quantity		2	2	2	
FdII	Static pressure	Pa	0-20 (standard)20-120 (customized)			
	Airflow rate	m³/h	28000	29000	29000	
Refrigerant	Туре		R410A	R410A	R410A	
Reirigerani	Factory charge	kg	21	21	21	
Dina annuations	Liquid pipe	mm	Ф22.2	Ф22.2	Ф22.2	
Pipe connections ³	Gas pipe	mm	Ф34.9	Ф34.9	Ф34.9	
Sound pressure leve	4	dB(A)	64	66	66	
Net dimensions (W×H×D)		mm	1880×1760×825	1880×1760×825	1880×1760×825	
Packed dimensions (W×H×D)		mm	1935×1945×890	1935×1945×890	1935×1945×890	
Net weight		kg	405	406	406	
Gross weight		kg	435	436	436	
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	

Refrigerant

Net weight

Gross weight

Ambient temp.

operation range

Pipe connections³

Sound pressure level⁴ Net dimensions (W×H×D)

Packed dimensions (W×H×D)

Factory charge

Liquid pipe

Gas pipe

Cooling

Heating

kg

mm

mm dB(A)

mm

mm

kg

kg

°C

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

HP			38	40	42	44	
Model name (Combination unit)		MV8-1065WV2GN1(PRO)	MV8-1120WV2GN1(PRO)	MV8-1180WV2GN1(PRO)	MV8-1235WV2GN1(PRO		
Combination type			16HP+22HP	16HP+24HP	16HP+26HP	16HP+28HP	
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	
	Capacity	kW	106.5	112.0	118.0	123.5	
Caaliaal	Capacity	kBtu/h	363.3	382.1	402.6	421.4	
Cooling ¹	Power input	kW	29.6	30.7	32.7	35.7	
	EER		3.60	3.65	3.61	3.46	
	Capacity	kW	119.0	125.0	131.5	137.5	
11	Capacity	kBtu/h	406.0	426.5	448.7	469.2	
Heating ²	Power input	kW	29.3	30.7	32.7	35.9	
	COP		4.06	4.07	4.02	3.83	
Connected	Total capacity			50-130% of outd	oor unit capacity		
indoor unit	Maximum quantity		64	64	64	64	
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter	
Compressor	Quantity		3	3	3	3	
	Туре		DC	DC	DC	DC	
Fan	Quantity		3	3	3	3	
raii	Static pressure	Pa	0-20 (standard)20-120 (customized)				
	Airflow rate	m³/h	37600	37100	37100	44600	
Refrigerant	Туре		R410A	R410A	R410A	R410A	
Remgerant	Factory charge	kg	8+9.3	8+12	8+12	8+19	
Pipe connections ³	Liquid pipe	mm	Ф19.1	Ф19.1	Ф19.1	Ф19.1	
Pipe connections	Gas pipe	mm	Ф38.1	Ф38.1	Ф38.1	Ф38.1	
Sound pressure lev	el ⁴	dB(A)	64	64	64	65	
Net dimensions (W×H×D) mm		(940×1760×825)+ (1340×1760×825)	(940×1760×825)+ (1340×1760×825)	(940×1760×825)+ (1340×1760×825)	(940×1760×825)+ (1880×1760×825)		
Packed dimensions (W×H×D) mm		(1010×1945×890)+ (1410×1945×890)	(1010×1945×890)+ (1410×1945×890)	(1010×1945×890)+ (1410×1945×890)	(1010×1945×890)+ (1935×1945×890)		
Net weight kg		213+295	213+315	213+315	213+373		
Gross weight kg		230+315	230+335	230+335	230+403		
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55	
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30	

HP			46	48	50	52
Model name (Combination unit)		MV8-1285WV2GN1(PRO)	MV8-1345WV2GN1(PRO)	MV8-1400WV2GN1(PRO)	MV8-1460WV2GN1(PRO	
Combination type			22HP+24HP	22HP+26HP	24HP+26HP	26HP+26HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
	Capacity	kW	128.5	134.5	140.0	146.0
Cooling ¹	Сарасіту	kBtu/h	438.4	458.9	477.7	498.2
Cooling	Power input	kW	36.9	38.9	40.0	42.0
	EER		3.48	3.46	3.50	3.48
	Capacity	kW	144.0	150.5	156.5	163.0
Honting?	Сарасіту	kBtu/h	491.3	513.5	534.0	556.2
Heating ²	Power input	kW	36.6	38.6	40.0	42.0
	COP		3.93	3.90	3.91	3.88
Connected	Total capacity			50-130% of outd	oor unit capacity	
indoor unit	Maximum quantity	7	64	64	64	64
Compressor	Туре		DC inverter	DC inverter	DC inverter	DC inverter
Compressor	Quantity		4	4	4	4
	Туре		DC	DC	DC	DC
Fan	Quantity		4	4	4	4
FdII	Static pressure	Pa	0-20 (standard)20-120 (customized)			
	Airflow rate	m³/h	43500	43500	43000	43000
Refrigerant	Type		R410A	R410A	R410A	R410A
Remgerant	Factory charge	kg	9.3+12	9.3+12	12×2	12×2
Pipe connections ³	Liquid pipe	mm	Ф19.1	Ф19.1	Ф19.1	Ф19.1
Pipe connections	Gas pipe	mm	Ф38.1	Ф38.1	Ф38.1	Ф38.1
Sound pressure lev	el ⁴	dB(A)	65	65	65	65
Net dimensions (W×H×D) mm		mm	(1340×1760×825)×2	(1340×1760×825)×2	(1340×1760×825)×2	(1340×1760×825)×2
Packed dimensions (W×H×D) mm		mm	(1410×1945×890)×2	(1410×1945×890)×2	(1410×1945×890)×2	(1410×1945×890)×2
Net weight kg		kg	295+315	295+315	315×2	315×2
Gross weight		kg	315+335	315+335	335×2	335×2
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30

- 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 V8 Series Engineering Data Book for connection piping diameters.
- 4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

HP			54	56	58	60
Model name (Co	mbination unit)		MV8-1510WV2GN1(PRO)	MV8-1570WV2GN1(PRO)	MV8-1625WV2GN1(PRO)	MV8-1680WV2GN1(PRO)
Combination typ	е		18HP+36HP	20HP+36HP	22HP+36HP	24HP+36HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
	Capacity	kW	151.0	157.0	162.5	168.0
Cooling ¹	Сарасіту	kBtu/h	515.2	535.7	554.4	573.2
	Power input	kW	48.2	50.5	53.3	54.4
	EER	EER		3.11	3.05	3.09
	Capacity	kW	168.0	175.0	181.0	187.0
Heating ²	Capacity	kBtu/h	573.3	597.2	617.6	638.1
neating-	Power input	kW	48.2	50.0	52.3	53.7
	COP		3.49	3.50	3.46	3.48
Connected	Total capacity			50-130% of outd	oor unit capacity	
indoor unit	Maximum quantity		64	64	64	64
Compressor	Туре		DC inverter	DC inverter	DC inverter	DC inverter
Compressor	Quantity		3	4	4	4
Fan	Туре		DC	DC	DC	DC
	Quantity		3	4	4	4
ган	Static pressure	Pa		0-20 (standard)20	0-120 (customized)	
	Airflow rate	m³/h	45500	51000	51000	50500
			<u> </u>			

R410A

9.3+21

Ф19.1

Ф41.3

67

(1340×1760×825)+

(1880×1760×825)

(1410×1945×890)+

(1935×1945×890)

295+406

315+436

-15 to 55

-30 to 30

R410A

9.3+21

Ф19.1

Ф41.3

67

(1340×1760×825)+

(1880×1760×825)

(1410×1945×890)+

(1935×1945×890)

295+406

315+436

-15 to 55

-30 to 30

R410A

12+21

Ф19.1

Ф41.3

67

(1340×1760×825)+

(1880×1760×825)

(1410×1945×890)+

(1935×1945×890)

315+406

335+436

-15 to 55

-30 to 30

R410 A

8 4+21

Ф19.1

Ф38.1

67

(940×1760×825)+

(1880×1760×825)

(1010×1945×890)+

(1935×1945×890)

215+406

232+436

-15 to 55

-30 to 30

Туре

Factory charge

Liquid pipe

Gas pipe

Cooling

Heating

kg

mm

dB(A)

mm

mm

kg

°C

Refrigerant

Net weight

Gross weight

Ambient temp.

operation range

Pipe connections³

Sound pressure level⁴

Net dimensions (W×H×D)

Packed dimensions (W×H×D)

HP			62	64	66	68	
Model name (Combination unit)		MV8-1740WV2GN1(PRO)	MV8-1795WV2GN1(PRO)	MV8-1860WV2GN1(PRO)	MV8-1910WV2GN1(PRO)		
Combination type			26HP+36HP	28HP+36HP	30HP+36HP	32HP+36HP	
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	
	Capacity	kW	174.0	179.5	186.0	191.0	
Caaliaal	Capacity	kBtu/h	593.7	612.5	634.6	651.7	
Cooling ¹	Power input	kW	56.4	59.4	62.6	65.6	
	EER		3.09	3.02	2.97	2.91	
	Capacity	kW	193.5	199.5	207.0	212.0	
Heating?	Сарасіту	kBtu/h	660.3	680.8	706.4	723.4	
Heating ²	Power input	kW	55.7	58.9	62.3	64.9	
	COP	•	3.47	3.39	3.32	3.27	
Connected	Total capacity			50-130% of outd	loor unit capacity		
indoor unit	Maximum quantity	,	64	64	64	64	
Compressor	Туре		DC inverter	DC inverter	DC inverter	DC inverter	
Compressor	Quantity		4	4	4	4	
	Туре		DC	DC	DC	DC	
Fan	Quantity		4	4	4	4	
FdII	Static pressure	Pa	0-20 (standard)20-120 (customized)				
	Airflow rate	m³/h	50500	58000	57000	57000	
Refrigerant	Туре	•	R410A	R410A	R410A	R410A	
Reirigerani	Factory charge	kg	12+21	19+21	21×2	21×2	
Pipe connections ³	Liquid pipe	mm	Ф19.1	Ф19.1	Ф19.1	Ф22.2	
Pipe connections	Gas pipe	mm	Ф41.3	Ф41.3	Ф41.3	Φ44.5	
Sound pressure lev	rel ⁴	dB(A)	67	68	68	68	
Net dimensions (W	/×H×D)	mm	(1340×1760×825)+ (1880×1760×825)	(1880×1760×825)×2	(1880×1760×825)×2	(1880×1760×825)×2	
Packed dimensions (W×H×D) mm		(1410×1945×890)+ (1935×1945×890)	(1935×1945×890)×2	(1935×1945×890)×2	(1935×1945×890)×2		
Net weight		kg	315+406	373+406	405+406	405+406	
Gross weight		kg	335+436	403+436	435+436	435+436	
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55	
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30	

- 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 V8 Series Engineering Data Book for connection piping diameters.
- 4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

HP			70	72	74	76
Model name (Comb	oination unit)		MV8-1960WV2GN1(PRO)	MV8-2020WV2GN1(PRO)	MV8-2080WV2GN1(PRO)	MV8-2140WV2GN1(PRO)
Combination type			34HP+36HP	36HP+36HP	14HP+24HP+36HP	14HP+26HP+36HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Capacity		kW	196.2	202.0	208.0	214.0
Cooling	Capacity	kBtu/h	668.8	689.2	709.7	730.2
Cooling ¹	Power input	kW	67.9	70.8	64.3	66.3
	EER		2.89	2.85	3.23	3.23
	Capacity	kW	218.0	224.0	232.0	238.5
Heating ²	Capacity	kBtu/h	743.9	764.4	791.6	813.8
Heating-	Power input	kW	66.9	69.4	63.9	65.9
	COP		3.26	3.23	3.63	3.62
Connected	Total capacity			50-130% of outd	oor unit capacity	
indoor unit	Maximum quantity		64	64	64	64
Compressor	ompressor Type		DC inverter	DC inverter	DC inverter	DC inverter
Compressor	Quantity		4	4	5	5
	Туре		DC	DC	DC	DC
Fan	Quantity		4	4	5	5
rall	Static pressure	Pa		0-20 (standard)20)-120 (customized)	
	Airflow rate	m³/h	58000	58000	66100	66100
Refrigerant	Туре		R410A	R410A	R410A	R410A
Reingerani	Factory charge	kg	21×2	21×2	8+12+21	8+12+21
Pipe connections ³	Liquid pipe	mm	Ф22.2	Ф22.2	Ф22.2	Ф22.2
Pipe connections	Gas pipe	mm	Φ44.5	Ф44.5	Ф44.5	Ф44.5
Sound pressure lev	·el ⁴	dB(A)	69	69	68	68
Net dimensions (W	′×H×D)	mm	(1880×1760×825)×2	(1880×1760×825)×2	(940×1760×825)+ (1340×1760×825)+ (1880×1760×825)	(940×1760×825)+ (1340×1760×825)+ (1880×1760×825)
Packed dimensions (W×H×D) m		mm	(1935×1945×890)×2	(1935×1945×890)×2	(1010×1945×890)+ (1410×1945×890)+ (1935×1945×890)	(1010×1945×890)+ (1410×1945×890)+ (1935×1945×890)
Net weight		kg	406×2	406×2	213+315+406	213+315+406
Gross weight		kg	436×2	436×2	230+335+436	230+335+436
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP			78	80	82	84
Model name (Combination unit)		MV8-2190WV2GN1(PRO)	MV8-2245WV2GN1(PRO)	MV8-2300WV2GN1(PRO)	MV8-2355WV2GN1(PRO)	
Combination type			16HP+26HP+36HP	16HP+28HP+36HP	20HP+26HP+36HP	22HP+26HP+36HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
	Capacity	kW	219.0	224.5	230.0	235.5
Ca alimad	Capacity	kBtu/h	747.2	766.0	784.8	803.5
Cooling ¹	Power input	kW	68.1	71.1	71.5	74.3
	EER		3.22	3.16	3.22	3.17
	Capacity	kW	243.5	249.5	256.5	262.5
114:2	Capacity	kBtu/h	830.9	851.4	875.3	895.7
Heating ²	Power input	kW	67.4	70.6	71.0	73.3
	COP		3.61	3.53	3.61	3.58
Connected	Total capacity			50-130% of outd	oor unit capacity	
indoor unit	Maximum quantity		64	64	64	64
Compressor	Туре		DC inverter	DC inverter	DC inverter	DC inverter
Compressor	Quantity		5	5	6	6
	Туре		DC	DC	DC	DC
Fan	Quantity		5	5	6	6
rall	Static pressure	Pa	0-20 (standard)20-120 (customized)			
	Airflow rate	m³/h	66100	73600	72500	72500
Refrigerant	Туре		R410A	R410A	R410A	R410A
Reirigerani	Factory charge	kg	8+12+21	8+19+21	9.3+12+21	9.3+12+21
Din	Liquid pipe	mm	Ф22.2	Ф22.2	Ф22.2	Φ25.4
Pipe connections ³	Gas pipe	mm	Ф44.5	Φ44.5	Ф44.5	Ф50.8
Sound pressure lev	el ⁴	dB(A)	68	68	69	69
Net dimensions (W	′×H×D)	mm	(940×1760×825)+ (1340×1760×825)+ (1880×1760×825)	(940×1760×825)+ (1880×1760×825)×2	(1340×1760×825)×2+ (1880×1760×825)	(1340×1760×825)×2+ (1880×1760×825)
Packed dimensions (W×H×D) mm		(1010×1945×890)+ (1410×1945×890)+ (1935×1945×890)	(1010×1945×890)+ (1935×1945×890)×2	(1410×1945×890)×2+ (1935×1945×890)	(1410×1945×890)×2+ (1935×1945×890)	
Net weight		kg	213+315+406	213+373+406	295+315+406	295+315+406
Gross weight		kg	230+335+436	230+403+436	315+335+436	315+335+436
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30

- 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 V8 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.

Model name (Combination unit)		MV8-2410WV2GN1(PRO)	MV8-2470WV2GN1(PRO)	MV8-2520WV2GN1(PRO)	MV8-2580WV2GN1(PRO)		
Combination type			24HP+26HP+36HP	26HP+26HP+36HP	P+36HP 18HP+36HP+36HP 20HP+36HP+36HP		
Power supply V/N/Hz		380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)		
Capacity		kW	241.0	247.0	252.0	258.0	
	Capacity	kBtu/h	822.3	842.8	859.8	880.3	
Cooling ¹ Power input		kW	75.4	77.4	83.6	85.9	
	EER		3.20	3.19	3.01	3.00	
Capacity	Canacity	kW	268.5	275.0	280.0	287.0	
Heating ²	Capacity	kBtu/h	916.2	938.4	955.5	979.4	
	Power input	kW	74.7	76.7	82.9	84.7	
	COP		3.59	3.59	3.38	3.39	
Connected	Total capacity			50-130% of outd	oor unit capacity		
indoor unit	Maximum quantity		64	64	64	64	
Type			DC inverter	DC inverter	DC inverter	DC inverter	
Compressor	Quantity		6	6	5	6	
	Туре		DC	DC	DC	DC	
Г	Quantity		6	6	5	6	
Fan	Static pressure	Pa	0-20 (standard)20-120 (customized)				
	Airflow rate	m³/h	72000	72000	74500	80000	
Refrigerant	Туре		R410A	R410A	R410A	R410A	
Reirigerani	Factory charge	kg	12×2+21	12×2+21	8.4+21×2	9.3+21×2	
Din	Liquid pipe	mm	Φ25.4	Ф25.4	Ф25.4	Ф25.4	
Pipe connections ³	Gas pipe	mm	Ф50.8	Ф50.8	Ф50.8	Ф50.8	
Sound pressure lev	/el ⁴	dB(A)	69	69	70	70	
Net dimensions (W	/vIIvD)		(1340×1760×825)×2+	(1340×1760×825)×2+	(940×1760×825)+	(1340×1760×825)+	
iver dimensions (w	/^n^D)	mm	(1880×1760×825)	(1880×1760×825)	(1880×1760×825)×2	(1880×1760×825)×2	
Packed dimensions	- (\\/vUvD)		(1410×1945×890)×2+	(1410×1945×890)×2+	(1010×1945×890)+	(1410×1945×890)+	
Packed diffierisions	S (W^H^D)	mm	(1935×1945×890)	(1935×1945×890)	(1935×1945×890)×2	(1935×1945×890)×2	
Net weight		kg	315×2+406	315×2+406	215+406×2	295+406×2	
Gross weight		kg	335×2+436	335×2+436	232+436×2	315+436×2	
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55	
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30	

HP			94	96	98	100	
Model name (Combination unit)		MV8-2635WV2GN1(PRO)	MV8-2690WV2GN1(PRO)	MV8-2750WV2GN1(PRO)	MV8-2805WV2GN1(PRO)		
Combination type	ombination type			24HP+36HP+36HP	26HP+36HP+36HP	28HP+36HP+36HP	
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	
	Capacity	kW	263.5	269.0	275.0	280.5	
Cooling	Capacity	kBtu/h	899.0	917.8	938.3	957.1	
Cooling ¹	Power input	kW	88.7	89.8	91.8	94.8	
	EER		2.97	3.00	3.00	2.96	
	Capacity	kW	293.0	299.0	305.5	311.5	
Heating?	Capacity	kBtu/h	999.8	1020.3	1042.5	1063.0	
Heating ²	Power input	kW	87.0	88.4	90.4	93.6	
	COP		3.37	3.38	3.38	3.33	
Connected	Total capacity			50-130% of outd	oor unit capacity		
indoor unit	Maximum quantity		64	64	64	64	
Compressor	Туре		DC inverter	DC inverter	DC inverter	DC inverter	
Compressor	Quantity		6	6	6	6	
	Туре		DC	DC	DC	DC	
Fan	Quantity		6	6	6	6	
raii	Static pressure	Pa	0-20 (standard)20-120 (customized)				
	Airflow rate	m³/h	80000	79500	79500	87000	
Refrigerant	Туре		R410A	R410A	R410A	R410A	
Reirigerani	Factory charge	kg	9.3+21×2	12+21×2	12+21×2	19+21×2	
Pipe connections ³	Liquid pipe	mm	Ф25.4	Ф25.4	Ф25.4	Ф25.4	
Pipe connections	Gas pipe	mm	Ф50.8	Ф50.8	Ф50.8	Ф50.8	
Sound pressure lev	/el ⁴	dB(A)	70	70	70	70	
Net dimensions (W	/×H×D)	mm	(1340×1760×825)+ (1880×1760×825)×2	(1340×1760×825)+ (1880×1760×825)×2	(1340×1760×825)+ (1880×1760×825)×2	(1880×1760×825)×3	
Packed dimensions (W×H×D) mm		mm	(1410×1945×890)+ (1935×1945×890)×2	(1410×1945×890)+ (1935××1945×890)×2	(1410×1945×890)+ (1935×1945×890)×2	(1935×1945×890)×3	
Net weight		kg	295+406×2	315+406×2	315+406×2	373+406×2	
Gross weight		kg	315+436×2	335+436×2	335+436×2	403+436×2	
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55	
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30	

- 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 V8 Series Engineering Data Book
- for connection piping diameters.

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

HP Model name (Comb	oination unit)		102 MV8-2860WV2GN1(PRO)	104 MV8-2920WV2GN1(PRO)
Combination type			32HP+34HP+36HP	32HP+36HP+36HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)
		kW	286.2	292.0
	Capacity	kBtu/h	975.9	996.3
Cooling ¹	Power input	kW	98.1	101.0
	EER		2.92	2.89
	Canacity	kW	318.0	324.0
11	Capacity	kBtu/h	1085.1	1105.6
Heating ²	Power input	kW	97.1	99.6
	СОР		3.27	3.25
Connected indoor unit	Total capacity		50-130% of outd	oor unit capacity
Indoor unit	Maximum quantity		64	64
Compressor	Туре		DC inverter	DC inverter
	Quantity		6	6
	Туре		DC	DC
F	Quantity		6	6
Fan	Static pressure	Pa	0-20 (standard)20-120 (customized)	
	Airflow rate	m³/h	86000	86000
Deficiences	Туре		R410A	R410A
Refrigerant	Factory charge	kg	21×3	21×3
D'	Liquid pipe	mm	Ф25.4	Ф25.4
Pipe connections ³	Gas pipe	mm	Ф50.8	Ф50.8
Sound pressure lev	el ⁴	dB(A)	70	70
Net dimensions (W	×H×D)	mm	(1880×1760×825)×3	(1880×1760×825)×3
Packed dimensions	(W×H×D)	mm	(1935×1945×890)×3	(1935×1945×890)×3
Net weight		kg	405+406×2	405+406×2
Gross weight		kg	435+436×2	435+436×2
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55
operation range	Heating	°C	-30 to 30	-30 to 30

- 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 V8 Series Engineering Data Book for connection piping diameters.
- 4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

HP Model name (Comb	oination unit)		106 MV8-2970WV2GN1(PRO)	108 MV8-3030WV2GN1(PRO)
Combination type	macion unit)		34HP+36HP+36HP	36HP+36HP+36HP
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)
		kW	297.2	303.0
	Capacity	kBtu/h	1013.4	1033.8
Cooling ¹	Power input	kW	103.3	106.2
	EER		2.88	2.85
	Carracitus	kW	330.0	336.0
	Capacity	kBtu/h	1126.1	1146.6
Heating ²	Power input	kW	101.6	104.1
	СОР		3.25	3.23
Connected indoor unit	Total capacity		50-130% of outd	oor unit capacity
indoor unit	Maximum quantity		64	64
Compressor	Туре		DC inverter	DC inverter
	Quantity		6	6
	Туре		DC	DC
Fan	Quantity		6	6
Fan	Static pressure	Pa	0-20 (standard)20	0-120 (customized)
	Airflow rate	m³/h	87000	87000
Defrigerant	Туре		R410A	R410A
Refrigerant	Factory charge	kg	21×3	21×3
Diag agentians	Liquid pipe	mm	Ф25.4	Ф25.4
Pipe connections ³	Gas pipe	mm	Ф50.8	Ф50.8
Sound pressure lev	el ⁴	dB(A)	71	71
Net dimensions (W	×H×D)	mm	(1880×1760×825)×3	(1880×1760×825)×3
Packed dimensions	(W×H×D)	mm	(1935×1945×890)×3	(1935×1945×890)×3
Net weight		kg	406×3	406×3
Gross weight	1	kg	436×3	436×3
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55
operation range	Heating	°C	-30 to 30	-30 to 30

- 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 V8 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.

V8i (Individual series)

HP			8	10	12	14
Model			MV8i-252WV2GN1(PRO)	MV8i-280WV2GN1(PRO)	MV8i-335WV2GN1(PRO)	MV8i-400WV2GN1(PRO)
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
	Capacity	kW	25.2	28.0	33.5	40.0
Cooling ¹	Capacity	kBtu/h	86.0	95.5	114.3	136.5
	Power input	kW	5.5	7.2	8.6	11.0
	EER		4.58	3.91	3.88	3.63
	Capacity	kW	27.0	31.5	37.5	45.0
Heating ²	Capacity	kBtu/h	92.1	107.5	128.0	153.5
пеаціід	Power input	kW	5.7	7.0	9.1	11.6
	COP		4.77	4.49	4.14	3.89
Connected indoor unit	Total capacity			50-130% of outd	oor unit capacity	
Connected indoor unit	Maximum quantit	У	13	16	19	22
Compressors	Туре		DC inverter	DC inverter	DC inverter	DC inverter
Compressors	Quantity		1	1	1	1
	Туре		DC	DC	DC	DC
	Quantity		1	1	1	1
Fan motors	Airflow rate	m³/h	12600	12600	13500	14400
	Max. ESP	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
D. C	Туре		R410A	R410A	R410A	R410A
Refrigerant	Factory charge	kg	7	7	7	7
D:	Liquid pipe	mm	Ø12.7	Ø12.7	Ø12.7	Ø12.7
Pipe connections ³	Gas pipe	mm	Ø25.4	Ø25.4	Ø25.4	Ø25.4
Sound pressure level ⁴		dB(A)	56	57	59	59
Net dimensions (W×H	×D)	mm	940×1760×825	940×1760×825	940×1760×825	940×1760×825
Packed dimensions (W×H×D) mm		mm	1010×1945×890	1010×1945×890	1010×1945×890	1010×1945×890
Net weight kg		kg	195	195	195	197
Gross weight		kg	213	213	213	215
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP					20	22
Model			MV8i-450WV2GN1(PRO)	MV8i-500WV2GN1(PRO)	MV8i-560WV2GN1(PRO)	MV8i-615WV2GN1(PRO)
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
	Capacity	kW	45.0	50.0	56.0	61.5
Cooling ¹	Сарасіту	kBtu/h	153.5	170.6	191.1	209.8
· ·	Power input	kW	12.6	14.3	16.5	18.9
	EER		3.57	3.50	3.39	3.26
	Capacity	kW	50.0	56.0	63.0	69.0
Heating ²	Сарасіту	kBtu/h	170.6	191.1	215.0	235.4
neating-	Power input	kW	12.8	14.6	16.7	19.1
	COP		3.91	3.83	3.77	3.61
Connected indoor unit	Total capacity			50-130% of outd	oor unit capacity	
Connected indoor unit	Maximum quantit	У	26	29	32	35
Compressors	Туре		DC inverter	DC inverter	DC inverter	DC inverter
Compressors	Quantity		1	1	2	2
	Type		DC	DC	DC	DC
	Quantity		1	1	2	2
Fan motors	Airflow rate	m³/h	15600	16500	22000	22000
	Max. ESP	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Туре		R410A	R410A	R410A	R410A
Reirigerani	Factory charge	kg	8	8.4	9.3	9.3
Pipe connections ³	Liquid pipe	mm	Ø15.9	Ø15.9	Ø15.9	Ø15.9
ripe connections	Gas pipe	mm	Ø28.6	Ø28.6	Ø28.6	Ø28.6
Sound pressure level ⁴		dB(A)	60	61	62	62
Net dimensions (W×H	×D)	mm	940×1760×825	940×1760×825	1340×1760×825	1340×1760×825
Packed dimensions (V	V×H×D)	mm	1010×1945×890	1010×1945×890	1410×1945×890	1410×1945×890
Net weight		kg	213	215	295	295
Gross weight		kg	230	232	315	315
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30

- Notes:

 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 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 of the unit's stop valves.

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

HP			24	26	28	30
Model			MV8i-670WV2GN1(PRO)	MV8i-730WV2GN1(PRO)	MV8i-785WV2GN1(PRO)	MV8i-850WV2GN1(PRO
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
	C	kW	67.0	73.0	78.5	85.0
Cooling ¹	Capacity	kBtu/h	228.6	249.1	267.9	290.0
	Power input	kW	20.9	23.0	24.9	27.5
	EER		3.20	3.18	3.15	3.09
	Cit	kW	75.0	81.5	87.5	95.0
Heating ²	Capacity	kBtu/h	255.9	278.1	298.6	324.2
neating-	Power input	kW	21.3	22.8	26.1	29.1
	COP		3.52	3.57	3.35	3.26
Connected indoor unit	Total capacity			50-130% of outd	oor unit capacity	
Connected indoor unit	Maximum quantit	У	39	42	45	48
C	Туре		DC inverter	DC inverter	DC inverter	DC inverter
Compressors	Quantity		2	2	2	2
	Туре		DC	DC	DC	DC
	Quantity		2	2	2	2
Fan motors	Airflow rate	m³/h	21500	21500	29000	28000
	Max. ESP	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Туре		R410A	R410A	R410A	R410A
Reirigerani	Factory charge	kg	9.3	12	19	21
Dia	Liquid pipe	mm	Ø15.9	Ø15.9	Ø22.2	Ø22.2
Pipe connections ³	Gas pipe	mm	Ø28.6	Ø28.6	Ø31.8	Ø34.9
Sound pressure level ⁴		dB(A)	62	62	63	64
Net dimensions (W×H	×D)	mm	1340×1760×825	1340×1760×825	1880×1760×825	1880×1760×825
Packed dimensions (V	V×H×D)	mm	1410×1945×890	1410×1945×890	1935×1945×890	1935×1945×890
Net weight		kg	300	315	373	405
Gross weight		kg	320	335	403	435
Ambient temp.	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55
operation range	Heating	°C	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP			32	34	36
Model			MV8i-900WV2GN1(PRO)	MV8i-950WV2GN1(PRO)	MV8i-1010WV2GN1(PRO)
Power supply		V/N/Hz	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling ¹	Capacity	kW	90.0	95.2	101.0
		kBtu/h	307.1	324.2	344.6
	Power input	kW	31.5	33.9	36.3
	EER		2.86	2.81	2.78
Heating ²	Capacity	kW	100.0	106.0	112.0
		kBtu/h	341.2	361.7	382.2
	Power input	kW	31.1	33.5	36.0
	COP		3.22	3.16	3.11
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity		
	Maximum quantity		52	55	58
Compressors	Type		DC inverter	DC inverter	DC inverter
	Quantity		2	2	2
Fan motors	Type		DC	DC	DC
	Quantity		2	2	2
	Airflow rate	m³/h	28000	29000	29000
	Max. ESP	Pa	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)	0-20 (standard) 20-120 (customized)
Refrigerant	Туре		R410A	R410A	R410A
	Factory charge	kg	21	21	21
Pipe connections ³	Liquid pipe	mm	Ø22.2	Ø22.2	Ø22.2
	Gas pipe	mm	Ø34.9	Ø34.9	Ø34.9
Sound pressure level ⁴		dB(A)	64	66	66
Net dimensions (W×H×D)		mm	1880×1760×825	1880×1760×825	1880×1760×825
Packed dimensions (W×H×D)		mm	1935×1945×890	1935×1945×890	1935×1945×890
Net weight		kg	405	406	406
Gross weight		kg	435	436	436
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55
	Heating	°C	-30 to 30	-30 to 30	-30 to 30

- Notes:

 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 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 of the unit's stop valves.

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