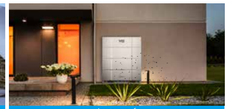
SHIELDBOX

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


Anti-corrosion


Dustproof


Rain & snow proof


Insect proof

Benefits

- High reliability
- Stable operation

IP (INGRESS PROTECTION)

IP 55

Dustproof grade code
Prevent entry foreign objects and dust

Waterproof grade code
Prevent water spray in all directions

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

All Microchannel Refrigerant Cooling

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

PTC Heater

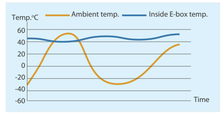
The unique PTC heater, with precise temperature control sensor, can still ensure that the temperature inside the chamber is within the normal operating temperature range of electronic devices even in the low-temperature environment of -30°C.

Built-in Circulating Fan

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

5 High Precision Temperature Sensors

5 high precision temperature sensors are used to accurately monitor the operation state of electronic control under various conditions to ensure that the internal temperature of the chamber is always controlled at 40-50°C.



FREE CONTROL

Intelligent control brings a new experience.


PC

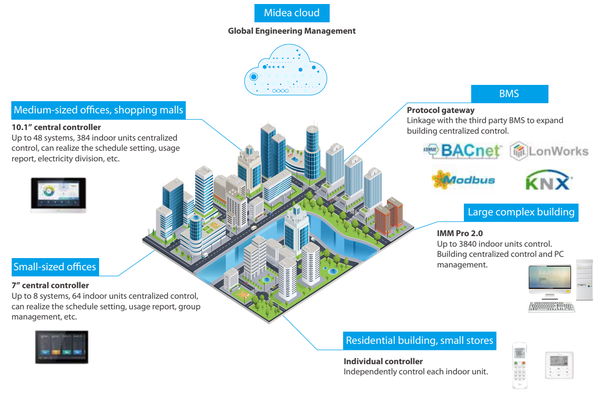

Tablet


Mobile

Benefits

- Individual control
- Central control
- Cloud control

V8 Series VRF can provide different control solutions for different application scenarios. From small homes and convenience stores to large shopping malls and complex buildings, V8 Series VRF can provide the most appropriate control solutions to achieve centralized and customized management.



V8 UNIT LINEUP

Outdoor Unit - Combinable Series

HP	8-18	20-26	28-40
Single Unit			

HP	42-80	82-120
Combined Unit		

Outdoor Unit - Individual Series

HP	8-18	20-26	28-42
Single Unit			

Note: All outdoor units will be available by the end of June 2022.

Indoor Unit

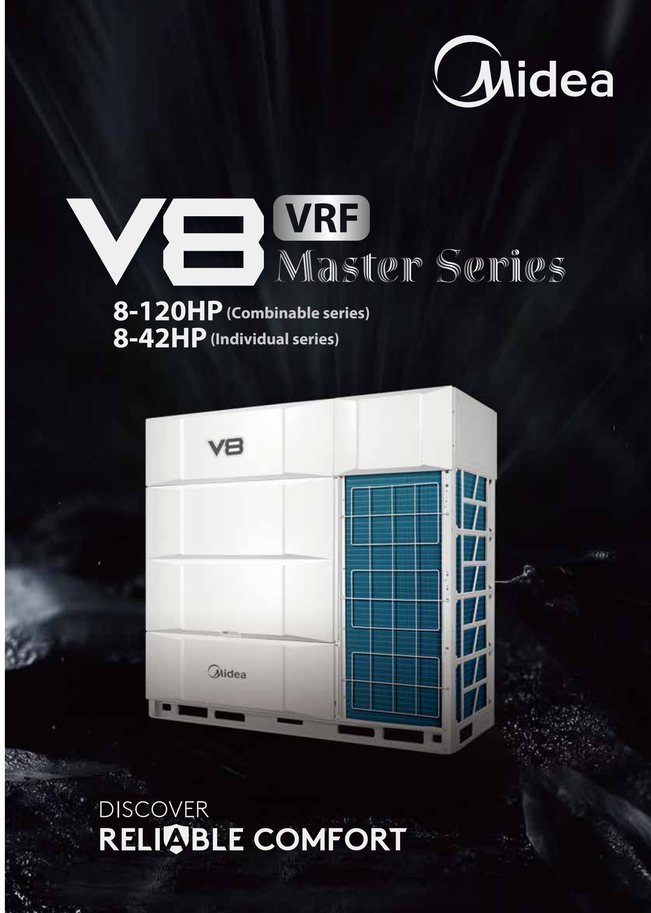
Type	One-way Cassette	Two-way Cassette	Compact Four-way Cassette
Indoor Unit	 1.8-7.1kW, 7 models	 2.2-7.1kW, 6 models	 1.5-6.3kW, 8 models

Type	Four-way Cassette	Arc Duct	Medium Static Pressure Duct
Indoor Unit	 2.8-16kW, 11 models	 1.5-11.2kW, 10 models	 1.5-16kW, 12 models

Type	High Static Pressure Duct	Wall Mounted	Ceiling & Floor
Indoor Unit	 7.1-56kW, 11 models	 1.5-9kW, 9 models	 3.6-14kW, 8 models

Type	Floor Standing	Floor Standing	Fresh Air Processing Unit
Indoor Unit	 2.2-7.1kW, 6 models	 22.4/28kW, 2 models	 11.2-56kW, 8 models

Note: The different series of indoor units are available in stages.
Pictures are for reference only, please refer to the actual product.



META 2.0

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

Benefits

- Energy saving
- Enhanced comfort
- Fast cooling/heating

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

Variable Refrigerant Flow

STEP 1: Architectural space feature recognition

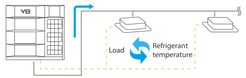
The indoor unit automatically recognizes the size of the building space and the effectiveness of the insulation according to the rate of temperature drop.

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

Variable Refrigerant Temperature

STEP 2: System refrigerant temperature determination

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



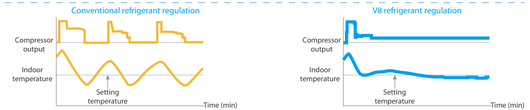
Automatic matching of the corresponding refrigerant temperature to the load.

Variable Indoor Airflow

STEP 3: Adaptive indoor airflow and refrigerant flow

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

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



ZEN AIR 2.0

Further upgraded ZEN AIR technology to maximize COMFORT.

Benefits

- Quiet
- Enhanced comfort
- Healthy

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

360° Airflow

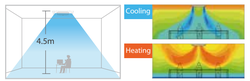
New design, round air flow path ensures uniform air flow and temperature distribution.

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 static pressure for long airflow delivery and is capable of being used in spaces up to 4.5m in floor height.



7 Fan Speeds

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

Sleep Mode

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

*Temperature on left is for reference.

Innovative Puro-air Kit

Protectors of health and safety

OSRAM From Germany - OSRAM quality UV light source

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

Ozone –Free
UV leakage-Free

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

DOCTOR M 2.0

Further upgraded DOCTOR M technology to maximize EASY SERVICE.

Benefits

- Easy maintenance
- Fast maintenance
- Low maintenance cost

As many as 19 sensors are distributed throughout the refrigerant system, the state of each part of the refrigerant pipeline can be known in the whole process, which can realize the real-time detection of the system state, predict system faults in advance and provide data analysis for system maintenance.
Intelligent Bluetooth module and special Bluetooth after-sales kit can further simplify maintenance and improve maintenance efficiency.

Intelligent Maintenance Tool

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

Bluetooth after-sales kit

Refrigerant Amount Diagnosis

V8 Series VRF uses 19 sensors for each outdoor unit, 4 sensors for each indoor unit, the refrigerant running state is clearly visible, so as to accurately diagnose the amount of refrigerant.

Visualization of Dirty Blockage Rate*

10 levels (10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 99%) blockage rate can be accurately identified and displayed on the controller, reminding the user to clean the filter in time, so as to avoid poor cooling/heating effect and serious malfunction.

Note: This function is available for V8 Low Static Pressure Duct IDU and V8 Medium Static Pressure Duct IDU.

HYPERLINK

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

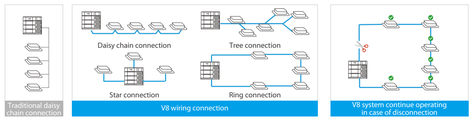
Benefits

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

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

Support Any Topology Communication

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



Super Anti-interference Capability

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

Enhanced Comfort

Power supply and communication time-sharing control technology can realize the communication wires to provide power to close or open the EXV for the power failure indoor units, this feature allows the shutdown of indoor unit without shutting down the whole VRF system.