

B-V8PROEU202403



# V8 VRF Pro Series

8-96HP (Combinable series)

8-32HP (Individual series)

## SMART IN ONE



### Midea Building Technologies Division

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GD MIDEA Heating & Ventilating Equipment Co. Ltd participates in the ECP programme for VRF. Check ongoing validity of certificate: WWW. eurovent-certification.com



## DISCOVER RELIABLE COMFORT



# HYPERLINK

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

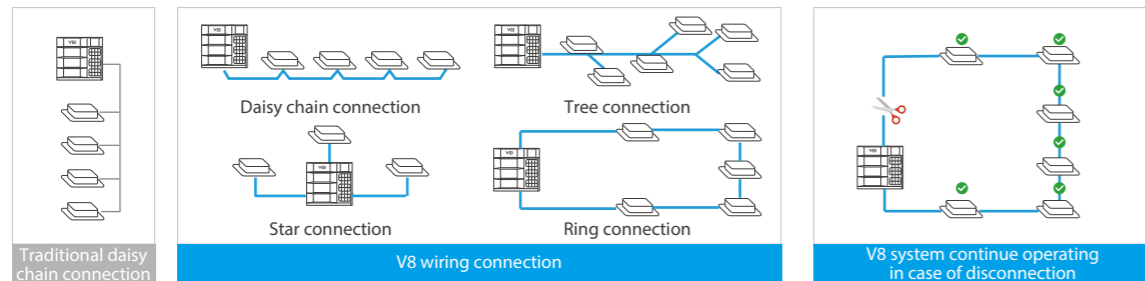


- Benefits**
- Flexible installation
  - Low installation cost
  - High reliability
  - Stable operation

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

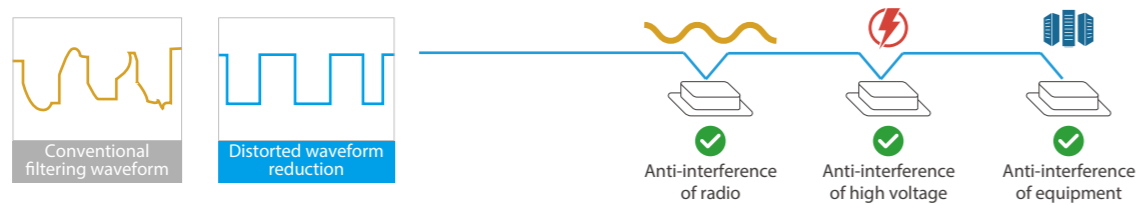
In addition to the traditional daisy chain connection, the communication wire supports tree connection, star connection, ring connection and so on. The wiring is flexible, which greatly reduces the installation cost and has no possibility of wrong connection on site.



\*In ring connection, the communication wire must be connected polarized (M1 port to M1 port and M2 port to M2 port).

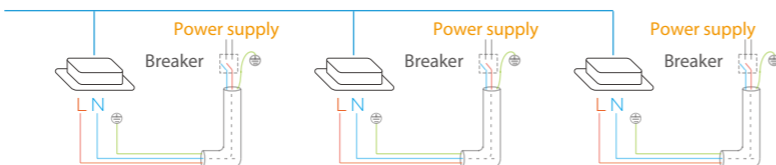
## Super Anti-interference Capability

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



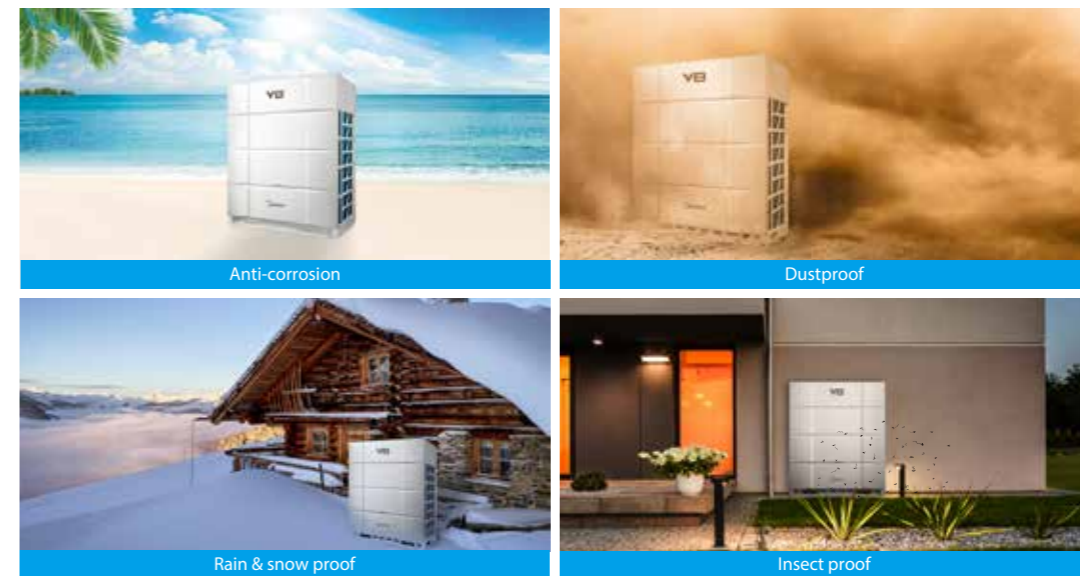
## Flexible Power Supply for Indoor Units

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



# SHIELDBOX

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



- 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.



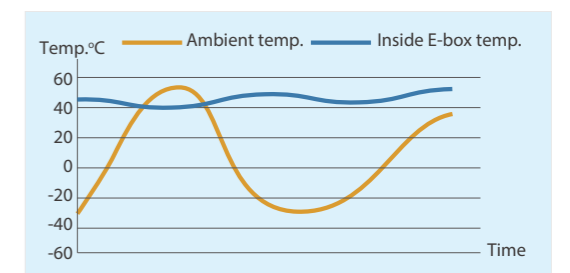
## Built-in Circulating Fan

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.



# SUPERSENSE

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



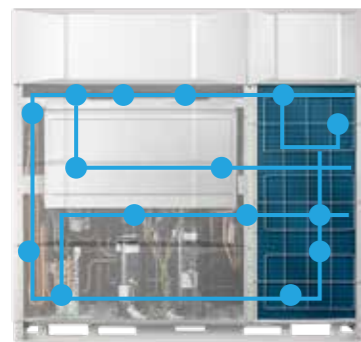
## Benefits

- High reliability
- Stable operation
- Enhanced comfort

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

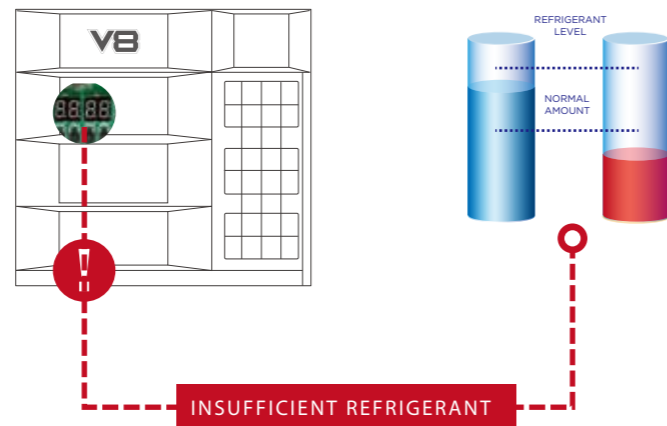
### Complete Sensors

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



### Refrigerant Amount Diagnosis

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



### 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.



# META 2.0

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



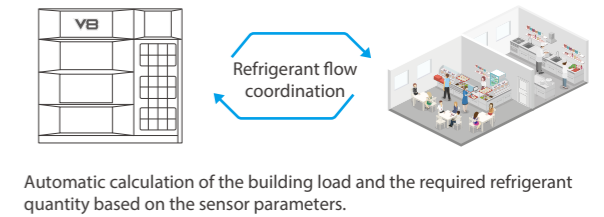
## Benefits

- 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%.

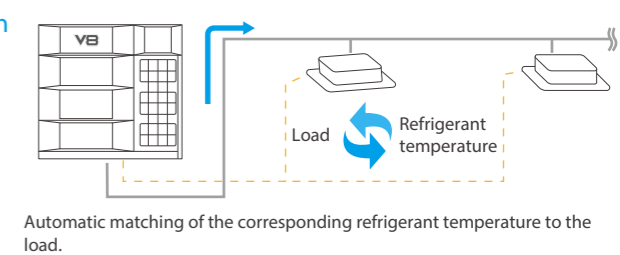
### Variable Refrigerant Flow

**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.



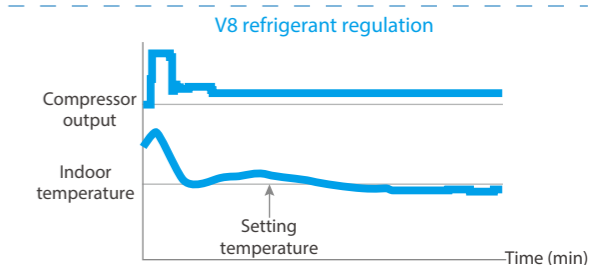
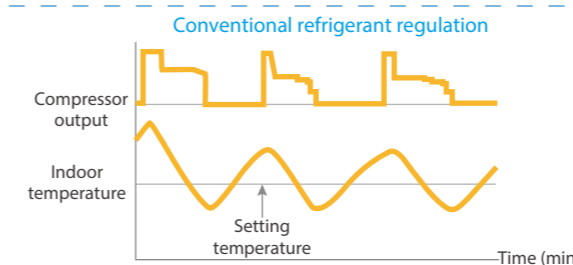
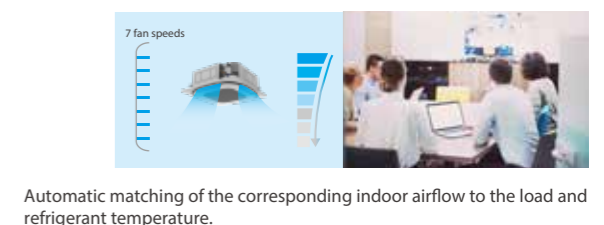
### Variable Refrigerant Temperature

**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.



### 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.



# ZEN AIR 2.0

Further upgraded ZEN AIR technology to maximize COMFORT.



### Benefits



Quiet



Enhanced comfort

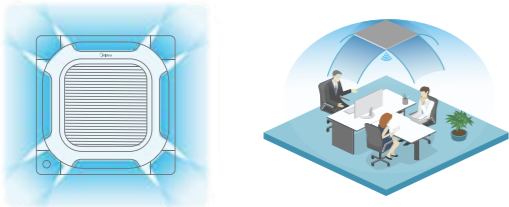


Healthy

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

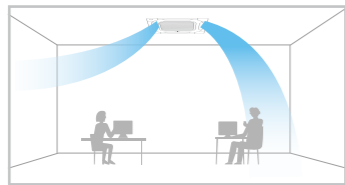
### 360° Airflow

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



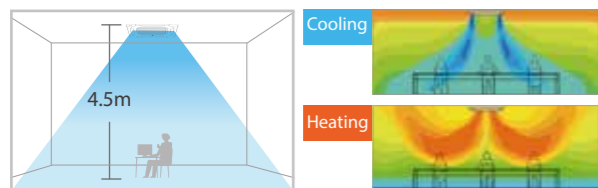
### Individual Louver Control

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



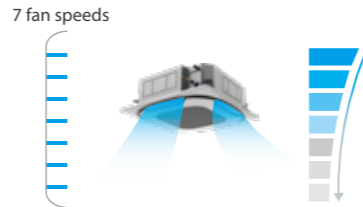
### Long Distance Air Delivery

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.



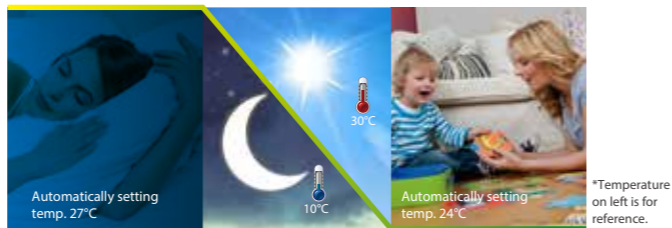
### 7 Fan Speeds

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.



### Innovative Puro-air Kit

Protectors of health and safety

From Germany - OSRAM quality UV light source



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

# DOCTOR M 2.0

Further upgraded DOCTOR M technology to maximize EASY SERVICE.



### Benefits



Easy maintenance



Fast maintenance



Low maintenance cost

Based on a cloud-based platform of big data and artificial intelligence, the 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. 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

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






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

# FREE CONTROL

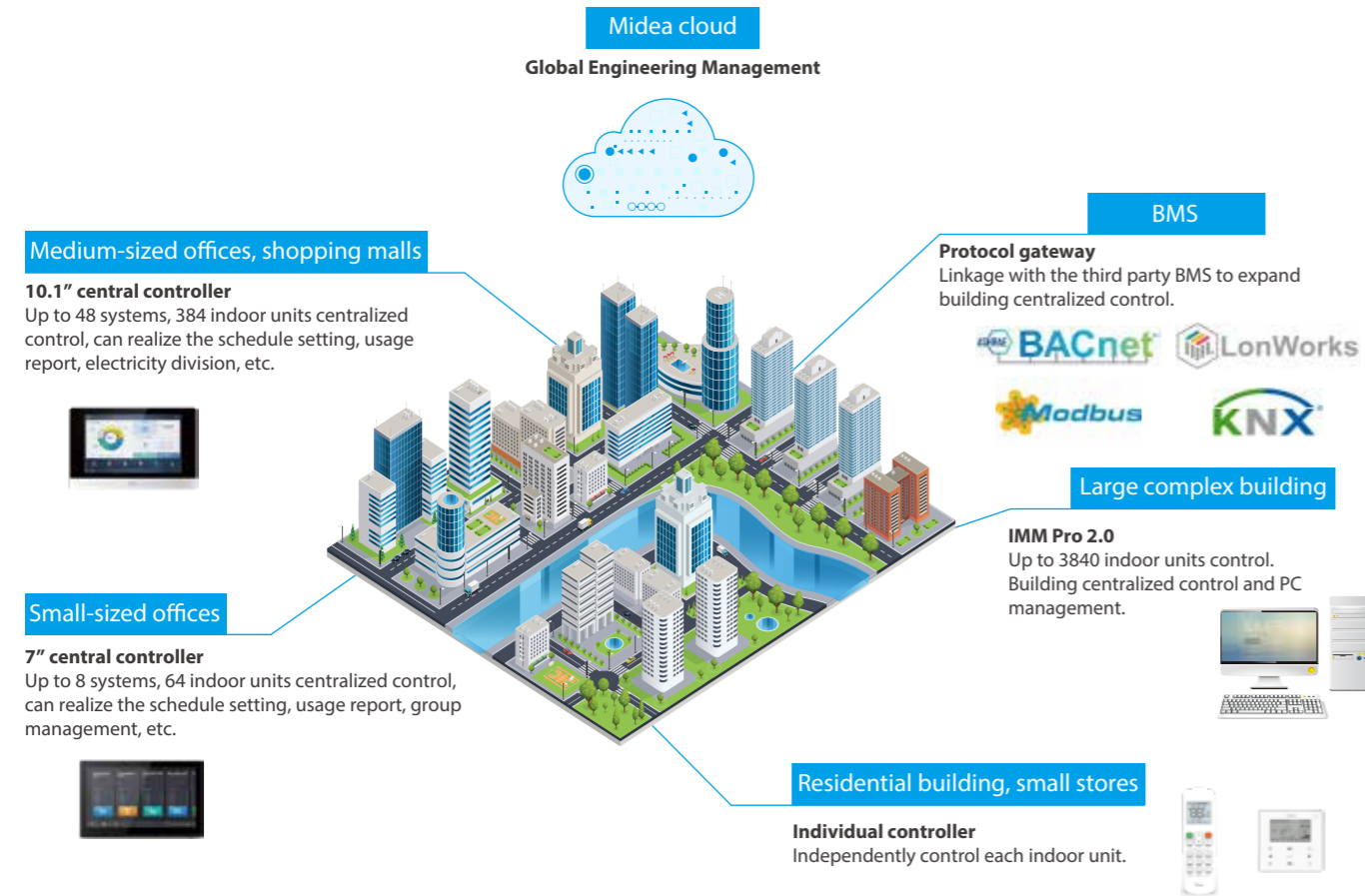
Intelligent control brings a new experience.



## 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




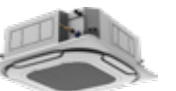


## Outdoor Unit - Combinable Series

HP	8-16	18-24	26-32
Single Unit			
Combined Unit			

## Outdoor Unit - Individual Series

HP	8-16	18-24	26-32
Single Unit			

## V8 Indoor Unit

Type	One-way Cassette	Two-way Cassette	Compact Four-way Cassette	Four-way Cassette	Arc Duct	Medium Static Pressure Duct
Indoor Unit	 1.8-7.1kW, 7 models	 2.2-7.1kW, 6 models	 1.5-6.3kW, 7 models	 2.8-18kW, 12 models	 1.5-11.2kW, 10 models	 1.5-16kW, 13 models

Type	High Static Pressure Duct	Wall Mounted	Ceiling & Floor	Floor Standing	Fresh Air Processing Unit
Indoor Unit	 5.6-56kW, 16 models	 1.5-8kW, 8 models	 3.6-14kW, 10 models	 2.2-8kW, 7 models	 9-28kW, 5 models

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

## 2nd Generation DC/AC Indoor Unit

Type	One-way Cassette	Two-way Cassette	Compact Four-way Cassette	Four-way Cassette	Medium Static Pressure Duct
Indoor Unit	 1.8-7.1kW, 7 models	 2.2-7.1kW, 6 models	 2.2-4.5kW, 5 models (DC) 1.8-4.5kW, 5 models (AC)	 2.8-16kW, 11 models (DC) 2.8-14kW, 10 models (AC)	 2.2-16kW, 11 models (DC) 2.2-14kW, 10 models (AC)

Type	High Static Pressure Duct	Wall Mounted	Ceiling & Floor	Floor Standing	Fresh Air Processing Unit
Indoor Unit	 7.1-56kW, 12models	 2.2-9kW, 8 models	 3.6-16kW, 9 models (DC) 3.6-14kW, 8 models (AC)	 2.2-8kW, 7 models (DC)	 14-56kW, 2 models (DC)

## Specification

### Combinable Series

HP			8	10	12
Model name			MV8-252WV2RN1E(PRO)	MV8-280WV2RN1E(PRO)	MV8-335WV2RN1E(PRO)
Power supply	V/N/Hz	380-415/3/50			
Cooling Capacity <sup>1</sup>	kW	25.2	28.0	33.5	
	kBtu/h	85.9	95.5	114.2	
Heating Capacity <sup>2</sup> (Rated)	kW	25.2	28.0	33.5	
	kBtu/h	85.9	95.5	114.2	
Heating Capacity <sup>2</sup> (Max)	kW	27.0	31.5	37.5	
	kBtu/h	92.1	107.4	127.9	
SEER		7.33	7.25	7.19	
η <sub>s.c</sub>	%	290.20	287.00	284.60	
SCOP		4.33	4.27	4.29	
η <sub>s.h</sub>	%	170.20	167.80	168.60	
Connected indoor unit	Total capacity	50%-130% of outdoor unit capacity			
	Maximum quantity	13	16	19	
Compressors	Type	DC inverter			
	Quantity	1	1	1	
Fan motors	Type	DC			
	Quantity	1	1	1	
	Static pressure	Pa	0-20 (standard); 20-120 (customized)		
Airflow rate	m <sup>3</sup> /h	12600	12600	13500	
	Type	R410A			
Refrigerant	Factory charge	kg			
	kg	7	7	7	
Pipe connections <sup>3</sup>	Liquid pipe	mm			
	mm	Ø12.7	Ø12.7	Ø12.7	
Gas pipe	mm	Ø25.4	Ø25.4	Ø25.4	
	Sound pressure level <sup>4</sup>	dB(A)			
Sound power level <sup>4</sup>	dB(A)				
Net dimensions (W×H×D)	mm				
Packed dimensions (W×H×D)	mm				
Net weight	kg				
Gross weight	kg				
Ambient temp. operation	Cooling	°C(DB)			
	Heating	°C(DB)			

HP			14	16	18
Model name			MV8-400WV2RN1E(PRO)	MV8-450WV2RN1E(PRO)	MV8-500WV2RN1E(PRO)
Power supply	V/N/Hz	380-415/3/50			
Cooling Capacity <sup>1</sup>	kW	40.0	45.0	50.0	
	kBtu/h	136.4	153.5	170.5	
Heating Capacity <sup>2</sup> (Rated)	kW	40.0	45.0	50.0	
	kBtu/h	136.4	153.5	170.5	
Heating Capacity <sup>2</sup> (Max)	kW	45.0	50.0	56.0	
	kBtu/h	153.5	170.5	191.0	
SEER		7.28	6.83	7.03	
η <sub>s.c</sub>	%	288.20	270.20	278.20	
SCOP		4.37	4.27	4.25	
η <sub>s.h</sub>	%	171.80	167.80	167.00	
Connected indoor unit	Total capacity	50%-130% of outdoor unit capacity			
	Maximum quantity	23	26	29	
Compressors	Type	DC inverter			
	Quantity	1	1	2	
Fan motors	Type	DC			
	Quantity	1	1	2	
	Static pressure	Pa	0-20 (standard); 20-120 (customized)		
Airflow rate	m <sup>3</sup> /h	15600	15600	22000	
	Type	R410A			
Refrigerant	Factory charge	kg			
	kg	8.4	8.4	9.3	
Pipe connections <sup>3</sup>	Liquid pipe	mm			
	mm	Ø15.9	Ø15.9	Ø15.9	
Gas pipe	mm	Ø28.6	Ø28.6	Ø28.6	
	Sound pressure level <sup>4</sup>	dB(A)			
Sound power level <sup>4</sup>	dB(A)				
Net dimensions (W×H×D)	mm				
Packed dimensions (W×H×D)	mm				
Net weight	kg				
Gross weight	kg				
Ambient temp. operation	Cooling	°C(DB)			
	Heating	°C(DB)			

- 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; connect to Four-Way Cassette indoor unit.  
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.  
 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.

## Specification

### Combinable Series

HP			20	22	24
Model name			MV8-560WV2RN1E(PRO)	MV8-615WV2RN1E(PRO)	MV8-670WV2RN1E(PRO)
Power supply	V/N/Hz	380-415/3/50			
Cooling Capacity <sup>1</sup>	kW	56.0	61.5	67.0	
	kBtu/h	191.0	209.7	228.5	
Heating Capacity <sup>2</sup> (Rated)	kW	56.0	61.5	67.0	
	kBtu/h	191.0	209.7	228.5	
Heating Capacity <sup>2</sup> (Max)	kW	63.0	69.0	75.0	
	kBtu/h	214.8	235.3	255.8	
SEER		6.63	6.63	6.14	
η <sub>s.c</sub>	%	262.20	262.20	242.60	
SCOP		4.20	4.39	4.32	
η <sub>s.h</sub>	%	165.00	172.60	169.80	
Connected indoor unit	Total capacity	50%-130% of outdoor unit capacity			
	Maximum quantity	33	36	39	
Compressors	Type	DC inverter			
	Quantity	2	2	2	
Fan motors	Type	DC			
	Quantity	2	2	2	
	Static pressure	Pa	0-20 (standard); 20-120 (customized)		
Airflow rate	m <sup>3</sup> /h	22000	21500	21500	
	Type	R410A			
Refrigerant	Factory charge	kg			
	kg	9.3	11.96	11.96	
Pipe connections <sup>3</sup>	Liquid pipe	mm			
	mm	Ø15.9	Ø15.9	Ø15.9	
Gas pipe	mm	Ø28.6	Ø28.6	Ø28.6	
	Sound pressure level <sup>4</sup>	dB(A)			
Sound power level <sup>4</sup>	dB(A)				
Net dimensions (W×H×D)	mm				
Packed dimensions (W×H×D)	mm				
Net weight	kg				
Gross weight	kg				
Ambient temp. operation	Cooling	°C(DB)			
	Heating	°C(DB)			

HP			26	28	30	32
Model name			MV8-730WV2RN1E(PRO)	MV8-785WV2RN1E(PRO)	MV8-850WV2RN1E(PRO)	MV8-900WV2RN1E(PRO)
Power supply	V/N/Hz	380-415/3/50				
Cooling Capacity <sup>1</sup>	kW	73.0	78.5	85.0	90.0	
	kBtu/h	248.9	267.7	289.9	306.9	
Heating Capacity <sup>2</sup> (Rated)	kW	73.0	78.5	85.0	90.0	
	kBtu/h	248.9	267.7	289.9	306.9	
Heating Capacity <sup>2</sup> (Max)	kW	81.5	87.5	95.0	100.0	
	kBtu/h	277.9	298.4	324.0	341.0	
SEER		5.69	6.02	5.93	5.78	
η <sub>s.c</sub>	%	224.60	237.80	234.20	228.20	
SCOP		4.27	4.28	4.20	4.20	
η <sub>s.h</sub>	%	167.80	168.20	165.00	165.00	
Connected indoor unit	Total capacity	50%-130% of outdoor unit capacity				
	Maximum quantity	43	46	50	53	
Compressors	Type	DC inverter				
	Quantity	2	2	2	2	
Fan motors	Type	DC				
	Quantity	2	2	2	2	
	Static pressure	Pa	0-20 (standard); 20-120 (customized)			
Airflow rate	m <sup>3</sup> /h	29000	28000	28000	28000	
	Type	R410A				
Refrigerant	Factory charge	kg				
	kg	11.96	11.96	11.96	11.96	
Pipe connections <sup>3</sup>	Liquid pipe	mm				
	mm	Ø22.2	Ø22.2	Ø22.2	Ø22.2	
Gas pipe	mm	Ø31.8	Ø34.9	Ø34.9	Ø34.9	
	Sound pressure level <sup>4</sup>	dB(A)				
Sound power level <sup>4</sup>	dB(A)					
Net dimensions (W×H×D)	mm					
Packed dimensions (W×H×D)	mm					
Net weight	kg					
Gross weight	kg					
Ambient temp. operation	Cooling	°C(DB)				
	Heating	°C(DB)				

- 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; connect to Four-Way Cassette indoor unit.  
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.  
 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.

## Specification

### Individual Series

HP		8		10		12	
Model name		MV8i-252WV2RN1E(PRO)		MV8i-280WV2RN1E(PRO)		MV8i-335WV2RN1E(PRO)	
Power supply		V/N/Hz		380-415/3/50			
Cooling Capacity <sup>1</sup>	kW	25.2	28.0	33.5			
	kBtu/h	85.9	95.5	114.2			
Heating Capacity <sup>2</sup> (Rated)	kW	25.2	28.0	33.5			
	kBtu/h	85.9	95.5	114.2			
Heating Capacity <sup>2</sup> (Max)	kW	27.0	31.5	37.5			
	kBtu/h	92.1	107.4	127.9			
SEER		7.33		7.25		7.19	
$\eta_{s,c}$	%	290.20	287.00	284.60			
SCOP		4.33		4.27		4.29	
$\eta_{s,h}$	%	170.20	167.80	168.60			
Connected	Total capacity	50%-130% of outdoor unit capacity					
indoor unit	Maximum quantity	13	16	19			
Compressors	Type	DC inverter		DC inverter		DC inverter	
	Quantity	1	1	1			
Fan motors	Type	DC		DC		DC	
	Quantity	1	1	1			
	Static pressure	Pa	0-20 (standard); 20-120 (customized)				
	Airflow rate	m <sup>3</sup> /h	12600	12600	13500		
Refrigerant	Type	R410A		R410A		R410A	
	Factory charge	kg	7	7	7		
Pipe connections <sup>3</sup>	Liquid pipe	mm	Ø12.7	Ø12.7	Ø12.7		
	Gas pipe	mm	Ø25.4	Ø25.4	Ø25.4		
Sound pressure level <sup>4</sup>		dB(A)		58		61	
Sound power level <sup>4</sup>		dB(A)		83		85	
Net dimensions (W×H×D)		mm		940×1760×825		940×1760×825	
Packed dimensions (W×H×D)		mm		1010×1945×890		1010×1945×890	
Net weight		kg		195		195	
Gross weight		kg		213		213	
Ambient temp. operation	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55		
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30		

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Diameters given are those of the unit's stop valves.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

## Specification

### Individual Series

HP		14		16		18	
Model name		MV8i-400WV2RN1E(PRO)		MV8i-450WV2RN1E(PRO)		MV8i-500WV2RN1E(PRO)	
Power supply		V/N/Hz		380-415/3/50			
Cooling Capacity <sup>1</sup>	kW	40.0	45.0	50.0			
	kBtu/h	136.4	153.5	170.5			
Heating Capacity <sup>2</sup> (Rated)	kW	40.0	45.0	50.0			
	kBtu/h	136.4	153.5	170.5			
Heating Capacity <sup>2</sup> (Max)	kW	45.0	50.0	56.0			
	kBtu/h	153.5	170.5	191.0			
SEER		7.28		6.83		7.03	
$\eta_{s,c}$	%	288.20	270.20	278.20			
SCOP		4.37		4.27		4.25	
$\eta_{s,h}$	%	171.80	167.80	167.00			
Connected	Total capacity	50%-130% of outdoor unit capacity					
indoor unit	Maximum quantity	23	26	29			
Compressors	Type	DC inverter		DC inverter		DC inverter	
	Quantity	1	1	2			
Fan motors	Type	DC		DC		DC	
	Quantity	1	1	2			
	Static pressure	Pa	0-20 (standard); 20-120 (customized)				
	Airflow rate	m <sup>3</sup> /h	15600	15600	22000		
Refrigerant	Type	R410A		R410A		R410A	
	Factory charge	kg	8.4	8.4	9.3		
Pipe connections <sup>3</sup>	Liquid pipe	mm	Ø15.9	Ø15.9	Ø15.9		
	Gas pipe	mm	Ø28.6	Ø28.6	Ø28.6		
Sound pressure level <sup>4</sup>		dB(A)		65		65	
Sound power level <sup>4</sup>		dB(A)		86		88	
Net dimensions (W×H×D)		mm		940×1760×825		940×1760×825	
Packed dimensions (W×H×D)		mm		1010×1945×890		1410×1945×890	
Net weight		kg		215		295	
Gross weight		kg		232		315	
Ambient temp. operation	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55		
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30		

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Diameters given are those of the unit's stop valves.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

## Specification

### Individual Series

HP	20		22		24	
Model name	MV8I-560WV2RN1E(PRO)		MV8I-615WV2RN1E(PRO)		MV8I-670WV2RN1E(PRO)	
Power supply	V/N/Hz	380-415/3/50				
Cooling Capacity <sup>1</sup>	kW	56.0	61.5	67.0		
	kBtu/h	191.0	209.7	228.5		
Heating Capacity <sup>2</sup> (Rated)	kW	56.0	61.5	67.0		
	kBtu/h	191.0	209.7	228.5		
Heating Capacity <sup>2</sup> (Max)	kW	63.0	69.0	75.0		
	kBtu/h	214.8	235.3	255.8		
SEER		6.63	6.63	6.14		
$\eta^{s,c}$	%	262.20	262.20	242.60		
SCOP		4.20	4.39	4.32		
$\eta^{s,h}$	%	165.00	172.60	169.80		
Connected	Total capacity	50%-130% of outdoor unit capacity				
indoor unit	Maximum quantity	33	36	39		
Compressors	Type	DC inverter				
	Quantity	2	2	2		
Fan motors	Type	DC				
	Quantity	2	2	2		
	Static pressure	Pa	0-20 (standard); 20-120 (customized)			
	Airflow rate	m <sup>3</sup> /h	22000	21500	21500	
Refrigerant	Type	R410A				
	Factory charge	kg	9.3	11.96	11.96	
Pipe connections <sup>3</sup>	Liquid pipe	mm	Ø15.9	Ø15.9	Ø15.9	
	Gas pipe	mm	Ø28.6	Ø28.6	Ø28.6	
Sound pressure level <sup>4</sup>	dB(A)	66	66	67		
Sound power level <sup>4</sup>	dB(A)	89	89	92		
Net dimensions (W×H×D)	mm	1340×1760×825	1340×1760×825	1340×1760×825		
Packed dimensions (W×H×D)	mm	1410×1945×890	1410×1945×890	1410×1945×890		
Net weight	kg	295	315	315		
Gross weight	kg	315	335	335		
Ambient temp. operation	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Diameters given are those of the unit's stop valves.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

## Specification

### Individual Series

HP	26		28		30		32		
Model name	MV8I-730WV2RN1E(PRO)		MV8I-785WV2RN1E(PRO)		MV8I-850WV2RN1E(PRO)		MV8I-900WV2RN1E(PRO)		
Power supply	V/N/Hz	380-415/3/50							
Cooling Capacity <sup>1</sup>	kW	73.0	78.5	85.0	90.0				
	kBtu/h	248.9	267.7	289.9	306.9				
Heating Capacity <sup>2</sup> (Rated)	kW	73.0	78.5	85.0	90.0				
	kBtu/h	248.9	267.7	289.9	306.9				
Heating Capacity <sup>2</sup> (Max)	kW	81.5	87.5	95.0	100.0				
	kBtu/h	277.9	298.4	324.0	341.0				
SEER		5.69	6.02	5.93	5.78				
$\eta^{s,c}$	%	224.60	237.80	234.20	228.20				
SCOP		4.27	4.28	4.20	4.20				
$\eta^{s,h}$	%	167.80	168.20	165.00	165.00				
Connected	Total capacity	50%-130% of outdoor unit capacity							
indoor unit	Maximum quantity	43	46	50	53				
Compressors	Type	DC inverter							
	Quantity	2	2	2	2				
Fan motors	Type	DC							
	Quantity	2	2	2	2				
	Static pressure	Pa	0-20 (standard); 20-120 (customized)						
	Airflow rate	m <sup>3</sup> /h	29000	28000	28000	28000			
Refrigerant	Type	R410A							
	Factory charge	kg	11.96	11.96	11.96	11.96			
Pipe connections <sup>3</sup>	Liquid pipe	mm	Ø22.2	Ø22.2	Ø22.2	Ø22.2			
	Gas pipe	mm	Ø31.8	Ø34.9	Ø34.9	Ø34.9			
Sound pressure level <sup>4</sup>	dB(A)	68	68	68	68				
Sound power level <sup>4</sup>	dB(A)	93	93	93	93				
Net dimensions (W×H×D)	mm	1880×1760×825	1880×1760×825	1880×1760×825	1880×1760×825				
Packed dimensions (W×H×D)	mm	1935×1945×890	1935×1945×890	1935×1945×890	1935×1945×890				
Net weight	kg	366	396	396	396				
Gross weight	kg	396	426	426	426				
Ambient temp. operation	Cooling	°C(DB)	-15 to 55	-15 to 55	-15 to 55	-15 to 55			
	Heating	°C(DB)	-30 to 30	-30 to 30	-30 to 30	-30 to 30			

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Four-Way Cassette indoor unit.
- Diameters given are those of the unit's stop valves.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.