

B-V8MA202208

SMART IN ONE



۰۲۱ - ۹۲۰۰۶۰۱۱
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تهران، بزرگراه صدر، خیابان شریعی
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V8 VRF Master Series

8-120HP (Combinable series)

8-42HP (Individual series)



DISCOVER
RELIABLE COMFORT

HYPERLINK

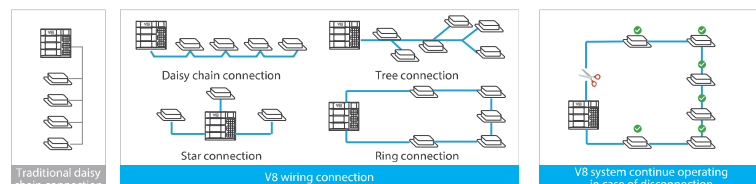
Midea original communication bus chip greatly simplifies installation and saves installation cost.



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.

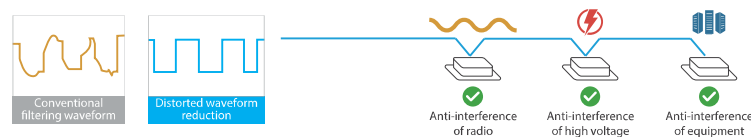
Support Any Topology Communication

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.



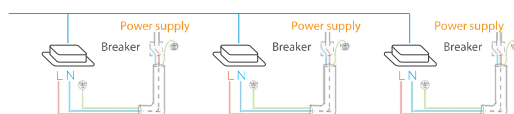
Super Anti-interference Capability

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

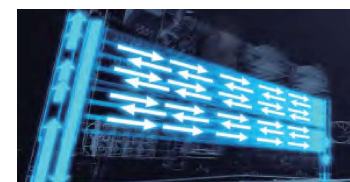
- High reliability
- Stable operation

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.



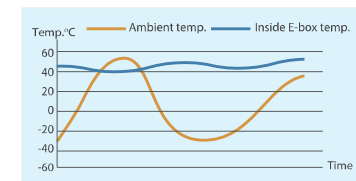
Built-in Circulating Fan

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**.



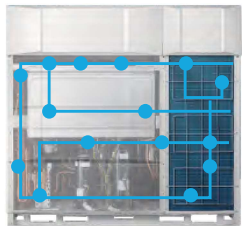
Benefits

- 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.

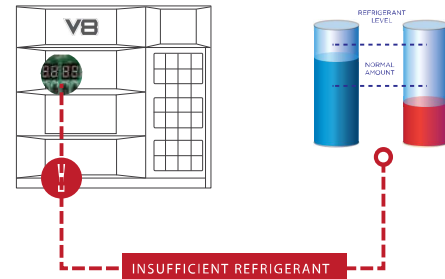
Complete Sensors

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.



*Refrigerant Amount Diagnosis function will be available at the end of July.

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

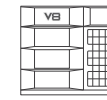
Built-in professional operation and maintenance algorithm, so that the annual operation energy efficiency of each set of systems increased by more than 28%.



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.



Refrigerant flow coordination



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



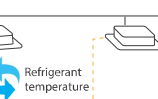
Variable Refrigerant Temperature

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.



Load



Automatic matching of the corresponding refrigerant temperature to the load.



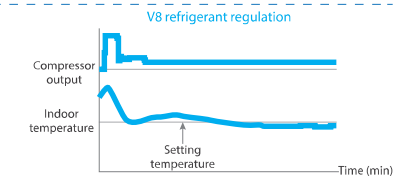
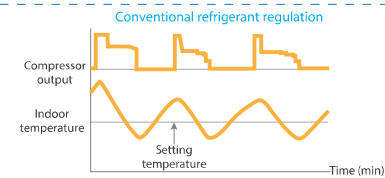
Variable Indoor Airflow

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.



Sleep mode



Soft wind mode

Benefits



Quiet



Enhanced comfort

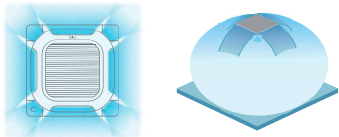


Healthy

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.

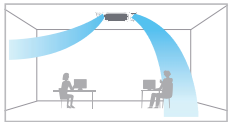
360° Airflow

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



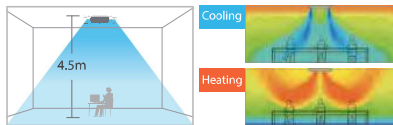
Individual Louver Control

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.



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

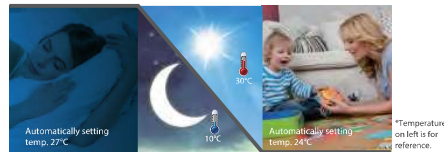
7 Fan Speeds

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

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

Ozone-Free
UV leakage-Free

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

DOCTOR M 2.0

Further upgraded DOCTOR M technology to maximize EASY SERVICE.



Benefits



Easy maintenance



Fast maintenance



Low maintenance cost

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

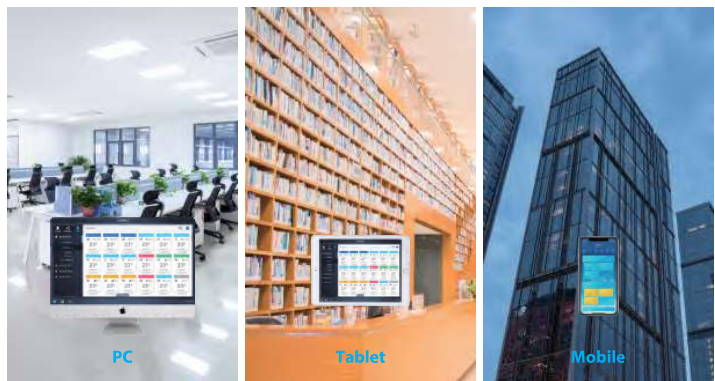
Midea V8 VR transmits the system operation data to the cloud in real time through the data cloud gateway, and timely reminds the system of abnormal conditions through big data analysis, helping users to proactively avoid the risk of failure that has not yet occurred and minimize hidden problems.



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

FREE CONTROL

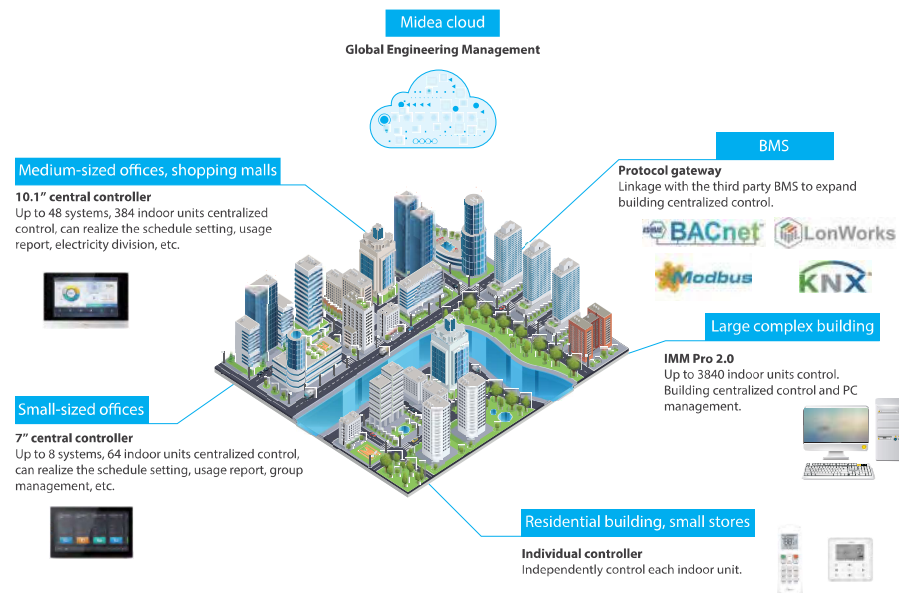
Intelligent control brings a new experience.



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	8-18	20-26	28-40
Single Unit			
HP	42-80	82-120	
Combined Unit			

Note: Four units combination are possible for the 8-24 HP models, for four units combination please contact Midea.

Outdoor Unit - Individual Series

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

Outdoor Unit - Easyfit Series

HP	8-16	18-24
outdoor Unit		

Outdoor Unit - Mini Series

KW	8-16	12-16
outdoor Unit		

Specification

Combinable Series

HP		8		10		12		14	
Model name		MV8-25WV2GN1(MA)		MV8-280WV2GN1(MA)		MV8-335WV2GN1(MA)		MV8-400WV2GN1(MA)	
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)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling ¹	Capacity	kW	25.2	28.0	33.5	40.0			
		kBtu/h	85.9	95.5	114.2	136.4			
	Power input	kW	5.3	6.6	8.2	9.8			
Cooling(T3) ¹	EER		4.76	4.25	4.11	4.08			
	Capacity	kW	24.3	27.0	31.7	37.2			
		kBtu/h	82.8	91.9	107.9	126.9			
Heating ²	Power input	kW	5.7	7.1	8.6	10.2			
	COP		4.28	3.87	3.82	3.64			
	Capacity	kW	27.0	31.5	37.5	45.0			
Heating ²		kBtu/h	92.1	107.4	127.9	153.5			
	Power input	kW	5.3	6.4	8.3	10.2			
	COP		5.12	4.89	4.51	4.40			
Connected indoor unit		Total capacity	50%-130%	50%-130%	50%-130%	50%-130%			
		Maximum quantity	13	16	19	23			
Refrigerant	Type		R410A	R410A	R410A	R410A			
	Factory charge	kg	7	7	7	8			
	Liquid pipe	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9			
Pipe connections ³	Gas pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ28.6			
	Sound pressure level ⁴	dB(A)	56	57	59	59			
	Sound power level ⁴	dB(A)	83	84	85	86			
Net dimensions (W×H×D)		mm	940×1760×825						
Packed dimensions (W×H×D)		mm	1005×1945×890						
Net weight		kg	195	195	195	218			
Gross weight		kg	213	213	213	236			
Ambient temp.	Cooling	°C	-15°C~55°C						
	Heating	°C	-30°C~30°C						

HP		16		18		20		22	
Model name		MV8-450WV2GN1(MA)		MV8-500WV2GN1(MA)		MV8-560WV2GN1(MA)		MV8-615WV2GN1(MA)	
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)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling ¹	Capacity	kW	45.0	50.0	56.0	61.5			
		kBtu/h	153.5	170.5	191.0	209.7			
	Power input	kW	11.4	12.7	15.0	17.3			
Cooling(T3) ¹	EER		3.95	3.93	3.73	3.56			
	Capacity	kW	41.3	45.6	52.1	56.8			
		kBtu/h	140.9	155.4	177.5	193.5			
Heating ²	Power input	kW	11.0	12.4	14.3	15.8			
	COP		3.75	3.69	3.64	3.58			
	Capacity	kW	50.0	56.0	63.0	69.0			
Heating ²		kBtu/h	170.5	191.0	214.8	235.3			
	Power input	kW	11.5	13.5	15.3	17.6			
	COP		4.36	4.16	4.13	3.92			
Connected indoor unit		Total capacity	50%-130%	50%-130%	50%-130%	50%-130%			
		Maximum quantity	26	29	33	36			
Refrigerant	Type		R410A	R410A	R410A	R410A			
	Factory charge	kg	8	8.4	9.3	9.3			
	Liquid pipe	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9			
Pipe connections ³	Gas pipe	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6			
	Sound pressure level ⁴	dB(A)	60	61	62	62			
	Sound power level ⁴	dB(A)	86	88	89	89			
Net dimensions (W×H×D)		mm	940×1760×825			1340×1760×825			
Packed dimensions (W×H×D)		mm	1005×1945×890			1405×1945×890			
Net weight		kg	218	218	277	277			
Gross weight		kg	236	236	297	297			
Ambient temp.	Cooling	°C	-15°C~55°C						
	Heating	°C	-30°C~30°C						

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35/46°C (T1/T3) DB; equivalent refrigerant piping length 5m with zero level difference.
2. Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
3. Diameters given are those of the unit's stop valve.
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		24		26		28		30	
Model name		MV8-670WV2GN1(MA)		MV8-730WV2GN1(MA)		MV8-785WV2GN1(MA)		MV8-850WV2GN1(MA)	
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)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling ¹	Capacity	kW	67.0	73.0	78.5	85.0			
		kBtu/h	228.5	248.9	267.7	289.9			
	Power input	kW	18.6	20.8	23.6	26.6			
Cooling(T3) ¹	EER		3.60	3.51	3.32	3.20			
	Capacity	kW	61.3	66.8	71.0	77.6			
		kBtu/h	208.9	227.7	242.0	264.6			
Heating ²	Power input	kW	18.1	19.1	20.9	22.9			
	COP		3.39	3.50	3.40	3.40			
	Capacity	kW	75.0	81.5	87.5	95.0			
Heating ²		kBtu/h	255.8	277.9	298.4	324.0			
	Power input	kW	19.0	20.8	24.0	27.1			
	COP		3.95	3.92	3.65	3.50			
Connected indoor unit		Total capacity	50%-130%	50%-130%	50%-130%	50%-130%			
		Maximum quantity	39	43	46	50			
Refrigerant	Type		R410A	R410A	R410A	R410A			
	Factory charge	kg	12	19	19	21			
	Liquid pipe	mm	Φ15.9	Φ22.2	Φ22.2	Φ22.2			
Pipe connections ³	Gas pipe	mm	Φ28.6	Φ31.8	Φ31.8	Φ34.9			
	Sound pressure level ⁴	dB(A)	62	62	63	64			
	Sound power level ⁴	dB(A)	92	93	93	93			
Net dimensions (W×H×D)		mm	1340×1760×825		1880×1760×825				
Packed dimensions (W×H×D)		mm	1405×1945×890		1945×1945×890				
Net weight		kg	297	380	380	419			
Gross weight		kg	317	405	405	444			
Ambient temp.	Cooling	°C	-15°C~55°C						
	Heating	°C	-30°C~30°C						

HP		32		34		36		38		40	
Model name		MV8-900WV2GN1(MA)		MV8-950WV2GN1(MA)		MV8-1010WV2GN1(MA)		MV8-1060WV2GN1(MA)		MV8-1120WV2GN1(MA)	
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)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling ¹	Capacity	kW	90.0	95.2	101.0	106.0	112.0				
		kBtu/h	306.9	324.6	344.4	361.5	381.9				
	Power input	kW	29.5	31.7	34.0	36.4	39.9				
Cooling(T3) ¹	EER		3.05	3.00	2.97	2.91	2.81				
	Capacity	kW	81.0	86.4	90.3	94.0	100.1				
		kBtu/h	276.2	294.7	307.8	320.6	341.3				
Heating ²	Power input	kW	24.6	26.7	28.3	30.5	33.1				
	COP		3.29	3.24	3.18	3.08	3.02				
	Capacity	kW	100.0	106.0	112.0	119.0	123.5				
Heating ²		kBtu/h	341.0	361.5	381.9	405.8	421.1				
	Power input	kW	29.4	31.7	33.9	37.0	39.1				
	COP		3.40	3.34	3.30	3.22	3.16				
Connected indoor unit		Total capacity	50%-130%	50%-130%	50%-130%	50%-130%	50%-130%				
		Maximum quantity	53	56	59	62	64				
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A				
	Factory charge	kg	21	21	21	24	24				
	Liquid pipe	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2				
Pipe connections ³	Gas pipe	mm	Φ34.9	Φ34.9	Φ34.9	Φ34.9	Φ34.9				
	Sound pressure level ⁴	dB(A)	64	66	66	67	67				
	Sound power level ⁴	dB(A)	93	94	94	94	94				
Net dimensions (W×H×D)		mm	1880×1760×825			1945×1945×850					
Packed dimensions (W×H×D)		mm	1945×1945×850			1945×1945×850					
Net weight		kg	419	420	420	440	440				
Gross weight		kg	444	445	445	465	465				
Ambient temp.	Cooling	°C	-15°C~55°C								
	Heating	°C	-30°C~30°C								

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35/46°C (T1/T3) DB; equivalent refrigerant piping length 5m with zero level difference.
2. Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
3. Diameters given are those of the unit's stop valve.
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		14	
Model name		MV8i-252WV2GN1(MA)		MV8i-280WV2GN1(MA)		MV8i-335WV2GN1(MA)		MV8i-400WV2GN1(MA)	
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)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling(T1) ¹	Capacity	kW	25.2	28.0	33.5	40.0			
		kBtu/h	85.9	95.5	114.2	136.4			
	Power input	kW	5.5	6.9	8.5	10.4			
		EER	4.60	4.05	3.96	3.83			
Cooling(T3) ¹	Capacity	kW	24.3	27.0	31.7	37.2			
		kBtu/h	82.8	91.9	107.9	126.9			
	Power input	kW	5.9	7.4	9.0	11.0			
		EER	4.14	3.63	3.53	3.40			
Heating ²	Capacity	kW	27.0	31.5	37.5	45.0			
		kBtu/h	92.1	107.4	127.9	153.5			
	Power input	kW	5.6	6.9	8.9	11.2			
		COP	4.86	4.58	4.23	4.03			
Connected indoor unit	Total capacity		50%-130%	50%-130%	50%-130%	50%-130%			
	Maximum quantity		13	16	19	23			
Refrigerant	Type		R410A	R410A	R410A	R410A			
	Factory charge	kg	7	7	7	7			
Pipe connections ³	Liquid pipe	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7			
	Gas pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4			
Sound pressure level ¹		dB(A)	56	57	59	59			
Sound power level ⁴		dB(A)	83	84	85	86			
Net dimensions (WxHxD)		mm	940×1760×825						
Packed dimensions (WxHxD)		mm	1005×1945×890						
Net weight		kg	195	195	195	198			
Gross weight		kg	213	213	213	216			
Ambient temp. operation range	Cooling	°C	-15°C~55°C						
	Heating	°C	-30°C~30°C						

HP		16		18		20		22	
Model name		MV8i-450WV2GN1(MA)		MV8i-500WV2GN1(MA)		MV8i-560WV2GN1(MA)		MV8i-615WV2GN1(MA)	
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)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling(T1) ¹	Capacity	kW	45.0	50.0	56.0	61.5			
		kBtu/h	153.5	170.5	191.0	209.7			
	Power input	kW	12.2	13.8	16.0	18.1			
		EER	3.70	3.62	3.50	3.39			
Cooling(T3) ¹	Capacity	kW	41.3	45.6	52.1	56.8			
		kBtu/h	140.9	155.4	177.5	193.5			
	Power input	kW	12.5	14.0	16.3	18.5			
		EER	3.31	3.25	3.19	3.08			
Heating ²	Capacity	kW	50.0	56.0	63.0	69.0			
		kBtu/h	170.5	191.0	214.8	235.3			
	Power input	kW	12.6	14.4	16.4	18.7			
		COP	3.97	3.88	3.83	3.69			
Connected indoor unit	Total capacity		50%-130%	50%-130%	50%-130%	50%-130%			
	Maximum quantity		26	29	33	36			
Refrigerant	Type		R410A	R410A	R410A	R410A			
	Factory charge	kg	8	8.4	9.3	9.3			
Pipe connections ³	Liquid pipe	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9			
	Gas pipe	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6			
Sound pressure level ¹		dB(A)	60	61	62	62			
Sound power level ⁴		dB(A)	86	88	89	89			
Net dimensions (WxHxD)		mm	940×1760×825			1340×1760×825			
Packed dimensions (WxHxD)		mm	1005×1945×890			1405×1945×890			
Net weight		kg	218	218	277	277			
Gross weight		kg	236	236	297	297			
Ambient temp. operation range	Cooling	°C	-15°C~55°C						
	Heating	°C	-30°C~30°C						

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35/46°C(T1/T3) DB; equivalent refrigerant piping length 5m with zero level difference.
2. Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
3. Diameters given are those of the unit's stop valve.
4. Sound pressure level is measured at position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

Specification

Individual Series

HP		24		26		28		30		32	
Model name		MV8i-670WV2GN1(MA)		MV8i-730WV2GN1(MA)		MV8i-785WV2GN1(MA)		MV8i-850WV2GN1(MA)		MV8i-903WV2GN1(MA)	
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)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling(T1) ¹	Capacity	kW	67.0	73.0	78.5	85.0	90.0				
		kBtu/h	228.5	248.9	267.7	289.9	306.9				
	Power input	kW	19.8	22.3	24.5	27.2	30.5				
		EER	3.38	3.27	3.20	3.12	2.95				
Cooling(T3) ¹	Capacity	kW	61.3	66.8	71.0	77.6	81.0				
		kBtu/h	208.9	227.7	242.0	264.6	276.2				
	Power input	kW	20.1	22.7	24.8	27.8	30.5				
		EER	3.05	2.94	2.86	2.80	2.66				
Heating ²	Capacity	kW	75.0	81.5	87.5	95.0	100.0				
		kBtu/h	255.8	277.9	298.4	324.0	341.0				
	Power input	kW	20.2	22.1	25.4	28.5	30.4				
		COP	3.72	3.68	3.44	3.33	3.29				
Connected indoor unit	Total capacity		50%-130%	50%-130%	50%-130%	50%-130%	50%-130%				
	Maximum quantity		39	43	46	50	53				
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A				
	Factory charge	kg	9.3	19	19	21	21				
Pipe connections ³	Liquid pipe	mm	Φ15.9	Φ22.2	Φ22.2	Φ22.2	Φ22.2				
	Gas pipe	mm	Φ28.6	Φ31.8	Φ31.8	Φ34.9	Φ34.9				
Sound pressure level ¹		dB(A)	62	62	63	64	64				
Sound power level ⁴		dB(A)	92	93	93	93	93				
Net dimensions (WxHxD)		mm	1340×1760×825			1880×1760×825					
Packed dimensions (WxHxD)		mm	1405×1945×890			1945×1945×890					
Net weight		kg	279		380	380	419				
Gross weight		kg	299		405	405	444				
Ambient temp. operation range	Cooling	°C	-15°C~55°C								
	Heating	°C	-30°C~30°C								

HP		34		36		38		40		42	
Model name		MV8i-950WV2GN1(MA)		MV8i-1010WV2GN1(MA)		MV8i-1060WV2GN1(MA)		MV8i-1200WV2GN1(MA)		MV8i-1170WV2GN1(MA)	
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)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)	380-415/3/50(60)
Cooling(T1) ¹	Capacity	kW	95.2	101.0	106.0	112.0	117.0				
		kBtu/h	324.6	344.4	361.5	381.9	399.0				
	Power input	kW	32.8	35.4	37.7	40.7	43.3				
		EER	2.90	2.85	2.81	2.75	2.70				
Cooling(T3) ¹	Capacity	kW	86.4	90.3	94.0	100.1	103.8				
		kBtu/h	294.7	307.8	320.6	341.3	353.9				
	Power input	kW	33.1	35.0	37.6	40.7	43.0				
		EER	2.61	2.58	2.50	2.46	2.41				
Heating ²	Capacity	kW	106.0	112.0	119.0	123.5	130.0				
		kBtu/h	361.5	381.9	405.8	421.1	443.3				
	Power input	kW	32.9	35.4	38.3	40.1	42.8				
		COP	3.22	3.16	3.11	3.08	3.04				
Connected indoor unit	Total capacity		50%-130%	50%-130%	50%-130%	50%-130%	50%-130%				
	Maximum quantity		56	59	62	64	64				
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A				
	Factory charge	kg	21	21	24	24	24				
Pipe connections ³	Liquid pipe	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2				
	Gas pipe	mm	Φ34.9	Φ34.9	Φ34.9	Φ34.9	Φ34.9				
Sound pressure level ¹		dB(A)	66	66	67	67	68				
Sound power level ⁴		dB(A)	94	94	94	94	94				
Net dimensions (WxHxD)		mm	1880×1760×825								
Packed dimensions (WxHxD)		mm	1945×1945×890								
Net weight		kg	420	420	440	440	442				
Gross weight		kg	445	445	465	465	467				
Ambient temp. operation range	Cooling	°C	-15°C~55°C								
	Heating	°C	-30°C~30°C								

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35/46°C(T1/T3) DB; equivalent refrigerant piping length 5m with zero level difference.
2. Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
3. Diameters given are those of the unit's stop valve.
4. Sound pressure level is measured at position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

Specification

EasyfitSeries

HP Model		8 MVI-252VW2GN1(B)		10 MVI-280VW2GN1(B)	
Power supply		V/Ph/Hz	380-415/3/50(60)	V/Ph/Hz	380-415/3/50(60)
Cooling ¹	Capacity	kW	25.2	kW	28
		kBtu/h	86.0	kBtu/h	95.5
	Power input	kW	5.8	kW	7.5
		EER	4.38	EER	3.73
Heating ²	Capacity	kW	27	kW	31.5
		kBtu/h	92.1	kBtu/h	107.5
	Power input	kW	5.7	kW	6.8
		COP	4.78	COP	4.67
Connected indoor unit	Total capacity		50-130%	50-130%	
	Maximum quantity		13	16	
Compressor	Type		DC inverter	DC inverter	
	Quantity		1	1	
Fan motors	Type		Propeller	Propeller	
	Motor type		DC	DC	
	Static pressure	Pa	0-35 (standard) 35-80 (customized)	Static pressure	Pa 0-35 (standard) 35-80 (customized)
	Airflow rate	m ³ /h	11800	Airflow rate	m ³ /h 12500
Refrigerant	Type		R410A	R410A	
	Factory charge	kg	6.1	Factory charge	kg 6.1
Pipe connections ³	Liquid pipe	mm	Φ12.7	Liquid pipe	mm Φ12.7
	Gas pipe	mm	Φ25.4	Gas pipe	mm Φ25.4
Sound pressure level ⁴		dB(A)	56	57	
Net dimensions (W×H×D)		mm	1130×1760×580	1130×1760×580	
Packed dimensions (W×H×D)		mm	1210×1916×597	1210×1916×597	
Net weight		kg	182	182	
Gross weight		kg	196	196	
Ambient temp. operation range	Cooling	°C (DB)	-15 to 55	Cooling	°C (DB) -15 to 55
	Heating	°C (DB)	-30 to 30	Heating	°C (DB) -30 to 30

HP Model		12 MVI-335VW2GN1(B)		14 MVI-400VW2GN1(A)	
Power supply		V/Ph/Hz	380-415/3/50(60)	V/Ph/Hz	380-415/3/50(60)
Cooling ¹	Capacity	kW	33.5	kW	40
		kBtu/h	114.3	kBtu/h	136.5
	Power input	kW	8.0	kW	11.2
		EER	4.21	EER	3.57
Heating ²	Capacity	kW	37.5	kW	45
		kBtu/h	128.0	kBtu/h	153.5
	Power input	kW	7.9	kW	10.7
		COP	4.78	COP	4.21
Connected indoor unit	Total capacity		50-130%	50-130%	
	Maximum quantity		19	22	
Compressor	Type		DC inverter	DC inverter	
	Quantity		1	1	
Fan motors	Type		Propeller	Propeller	
	Motor type		DC	DC	
	Static pressure	Pa	0-35 (standard) 35-80 (customized)	Static pressure	Pa 0-35 (standard) 35-80 (customized)
	Airflow rate	m ³ /h	12500	Airflow rate	m ³ /h 12500
Refrigerant	Type		R410A	R410A	
	Factory charge	kg	6.4	Factory charge	kg 7.4
Pipe connections ³	Liquid pipe	mm	Φ12.7	Liquid pipe	mm Φ12.7
	Gas pipe	mm	Φ25.4	Gas pipe	mm Φ25.4
Sound pressure level ⁴		dB(A)	58	59	
Net dimensions (W×H×D)		mm	1130×1760×580	1130×1760×580	
Packed dimensions (W×H×D)		mm	1210×1916×597	1210×1916×597	
Net weight		kg	185	185	
Gross weight		kg	199	199	
Ambient temp. operation range	Cooling	°C (DB)	-15 to 55	Cooling	°C (DB) -15 to 55
	Heating	°C (DB)	-30 to 30	Heating	°C (DB) -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.

Specification

EasyfitSeries

HP Model		16 MVI-450VW2GN1(A)		18 MVI-500VW2GN1(A)	
Power supply		V/Ph/Hz	380-415/3/50(60)	V/Ph/Hz	380-415/3/50(60)
Cooling ¹	Capacity	kW	45	kW	50
		kBtu/h	153.5	kBtu/h	170.6
	Power input	kW	12.0	kW	12.8
		EER	3.75	EER	3.91
Heating ²	Capacity	kW	50	kW	56.5
		kBtu/h	170.6	kBtu/h	192.8
	Power input	kW	11.1	kW	13.8
		COP	4.50	COP	4.11
Connected indoor unit	Total capacity		50-130%	50-130%	
	Maximum quantity		26	29	
Compressor	Type		DC inverter	DC inverter	
	Quantity		1	1	
Fan motors	Type		Propeller	Propeller	
	Motor type		DC	DC	
	Static pressure	Pa	0-35 (standard) 35-80 (customized)	Static pressure	Pa 0-35 (standard) 35-80 (customized)
	Airflow rate	m ³ /h	12500	Airflow rate	m ³ /h 20000
Refrigerant	Type		R410A	R410A	
	Factory charge	kg	8	Factory charge	kg 8
Pipe connections ³	Liquid pipe	mm	Φ15.9	Liquid pipe	mm Φ15.9
	Gas pipe	mm	Φ28.6	Gas pipe	mm Φ28.6
Sound pressure level ⁴		dB(A)	60	61	
Net dimensions (W×H×D)		mm	1130×1760×580	1250×1760×580	
Packed dimensions (W×H×D)		mm	1210×1916×597	1330×1916×597	
Net weight		kg	192	213	
Gross weight		kg	206	228	
Ambient temp. operation range	Cooling	°C (DB)	-15 to 55	Cooling	°C (DB) -15 to 55
	Heating	°C (DB)	-30 to 30	Heating	°C (DB) -30 to 30

HP Model		20 MVI-560VW2GN1(A)		22 MVI-615VW2GN1(A)		24 MVI-670VW2GN1(A)	
Power supply		V/Ph/Hz	380-415/3/50(60)	V/Ph/Hz	380-415/3/50(60)	V/Ph/Hz	380-415/3/50(60)
Cooling ¹	Capacity	kW	56	kW	61.5	kW	67
		kBtu/h	191.1	kBtu/h	209.8	kBtu/h	228.6
	Power input	kW	16.3	kW	18.1	kW	19.7
		EER	3.44	EER	3.40	EER	3.41
Heating ²	Capacity	kW	63	kW	69	kW	75
		kBtu/h	215.0	kBtu/h	235.4	kBtu/h	255.9
	Power input	kW	15.3	kW	16.9	kW	17.5
		COP	4.12	COP	4.08	COP	4.29
Connected indoor unit	Total capacity		50-130%	50-130%		50-130%	
	Maximum quantity		33	36		39	
Compressor	Type		DC inverter	DC inverter		DC inverter	
	Quantity		1	1		1	
Fan motors	Type		Propeller	Propeller		Propeller	
	Motor type		DC	DC		DC	
	Static pressure	Pa	0-35 (standard) 35-80 (customized)	Static pressure	Pa 0-35 (standard) 35-80 (customized)	Static pressure	Pa 0-35 (standard) 35-80 (customized)
	Airflow rate	m ³ /h	18500	Airflow rate	m ³ /h 19000	Airflow rate	m ³ /h 19000
Refrigerant	Type		R410A	R410A		R410A	
	Factory charge	kg	8.5	Factory charge	kg 8.5	Factory charge	kg 9.7
Pipe connections ³	Liquid pipe	mm	Φ15.9	Liquid pipe	mm Φ15.9	Liquid pipe	mm Φ15.9
	Gas pipe	mm	Φ28.6	Gas pipe	mm Φ28.6	Gas pipe	mm Φ28.6
Sound pressure level ⁴		dB(A)	61	62		64	
Net dimensions (W×H×D)		mm	1250×1760×580	1250×1760×580		1250×1760×580	
Packed dimensions (W×H×D)		mm	1330×1916×597	1330×1916×597		1330×1916×597	
Net weight		kg	223	233		238	
Gross weight		kg	238	248		253	
Ambient temp. operation range	Cooling	°C (DB)	-15 to 55	Cooling	°C (DB) -15 to 55	Cooling	°C (DB) -15 to 55
	Heating	°C (DB)	-30 to 30	Heating	°C (DB) -30 to 30	Heating	°C (DB) -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.