



Series

OUTDOOR UNITS



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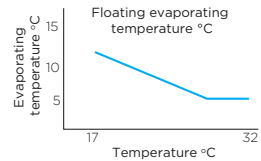
Easy Installation and Service

3 Unique Innovations

Energy Management System (EMS)

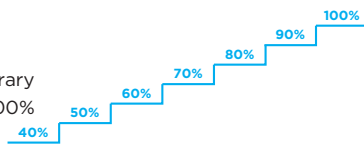
- **Floating refrigerant temperature to balance comfort and efficiency**

The evaporating temperature (in cooling) and condensing temperature (in heating) are automatically adjusted according to both indoor and outdoor temperature to maximize the comfort and energy efficiency.



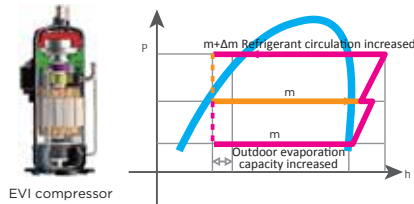
- **Output limitation during electricity supply restrictions**

With the integration of EMS, for projects with temporary electricity supply restrictions, V6 can be set to output 40-100% capacity.



Enhanced Vapor Injection (EVI) Compressor

Thanks to the vapor injection DC inverter compressor, the V6 VRF can run heating mode stably down to -23°C, and the heating capacity can be improved greatly.



Triple Configurations

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

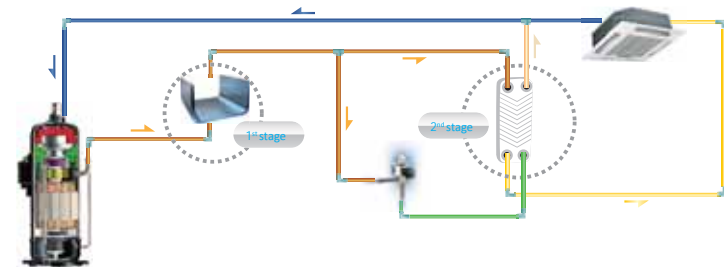
- Field local configuration achieves quick and easy on-site settings, simplifies installation and commissioning.
- System checking and settings also can be easily achieved via wired and centralized controller, making the configuration more flexible and convenient.
- A desktop or laptop PC can be used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



High Efficiency

Plate Heat Exchanger (PHE) Subcooling

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



High Efficiency G-Type Heat Exchanger

24-32HP units use a high efficiency 3-row G-type heat exchanger with a heat exchange area 1.5 times that of the 22HP unit. The 24-32HP units also use super big size fan which diameter is up to 750mm.



3-rows G-type heat exchanger



Super big size fan

Wide Application Range

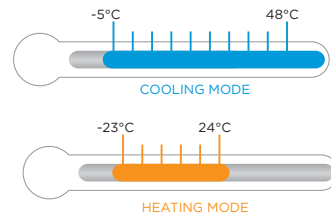
Wide Capacity Range

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



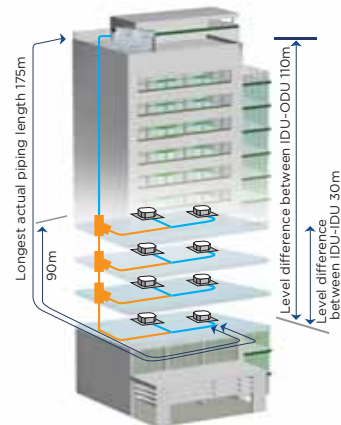
Wide Operation Range

The V6 VRF can operate stably in a wide ambient temperature range: from -5°C to 48°C in cooling mode and from -23°C to 24°C in heating mode.



Long Piping Capability

- Total piping length: 1000m
- Longest piping length – actual (equivalent): 175m (200m)
- Longest piping length after first branch: 90m
- Level difference between IDUs and ODU – ODU above (below): 90m (110m)
- Level difference between IDUs: 30m



High Reliability

Duty Cycling

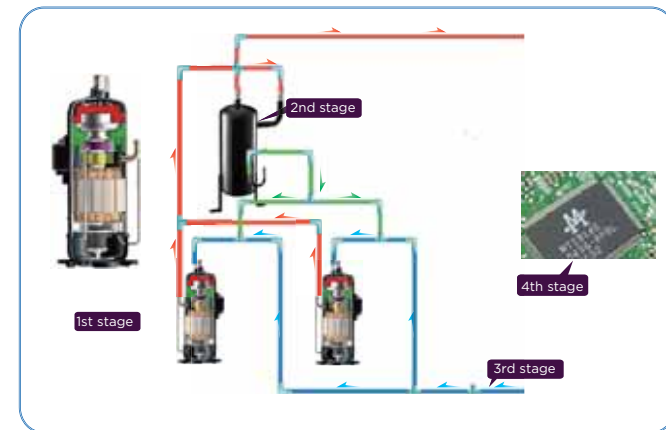
Duty cycling equalizes the running time of the outdoor units in a multiple-unit system and of the compressors in each unit, significantly extending compressor lifespan.



Precise Oil Control Technology

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

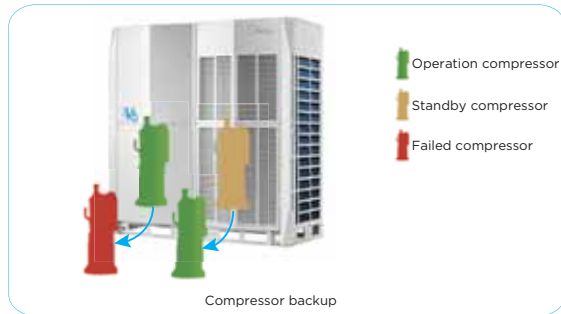
- Compressor internal oil separation.
- High-efficiency centrifugal oil separator (with separation efficiency of up to 99%) ensures that oil is separated from the discharge gas and returned to the compressors in a timely fashion.
- Oil balance pipes between compressors ensure even oil distribution to keep compressors running normally.
- Auto oil return program monitors the running time and system status to ensure reliable oil return.



High Reliability

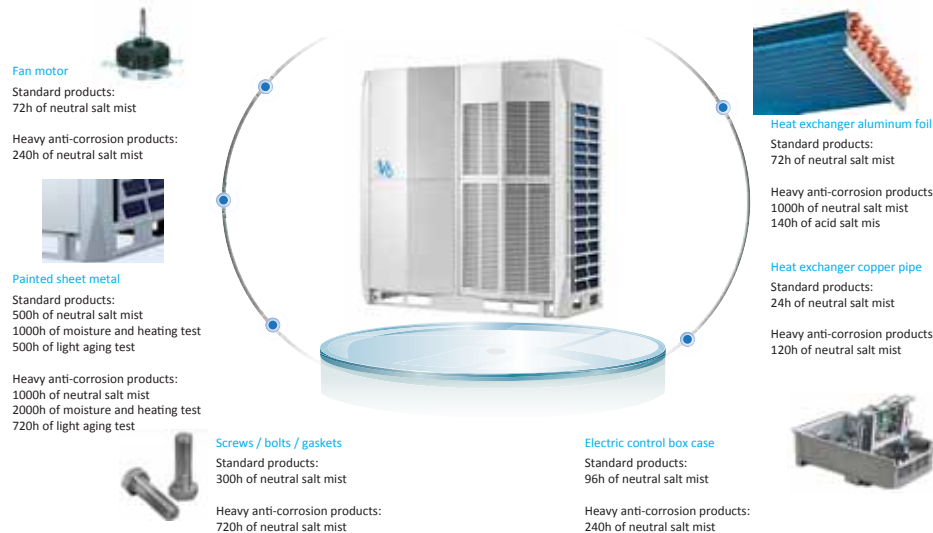
Backup Operation

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



Anti-corrosion Protection

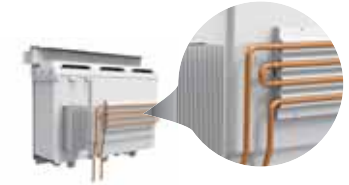
Outdoor units are given anti-corrosion treatment for non-extreme conditions as standard and can also be customized with heavy anti-corrosion treatment on main components for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful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



High Reliability

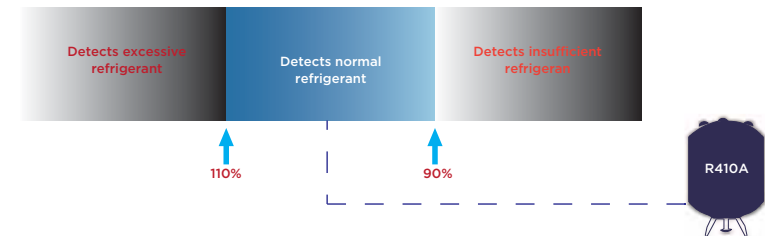
Refrigerant Cooling PCB

The V6 VRF uses refrigerant cooling technology to cool the electric control box. It decreases the average temperature of electrical control components by about 8 degrees, guaranteeing the stable and safe running of the control system.



Real-time Refrigerant Amount Monitoring

The temperature and pressure of refrigerant can be real-time monitored by the outdoor unit. When the level of refrigerant is too low or too high, this can cause damage to the unit and poor performance. V6 outdoor unit can detect excessive or insufficient amounts of refrigerant, to ensure consistent performance.



Auto Snow-blowing Function*

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

*This function is available as a customization option.



Dust-clean function*

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

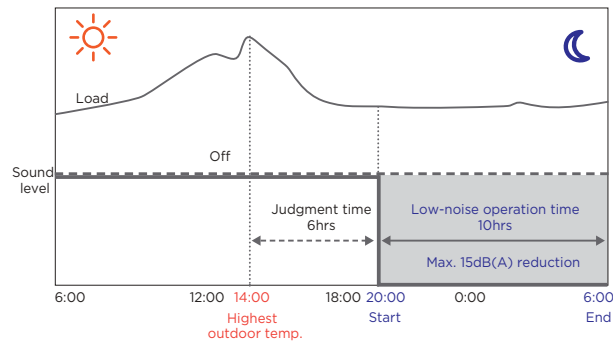
*This function is available as a customization option.



Enhanced Comfort

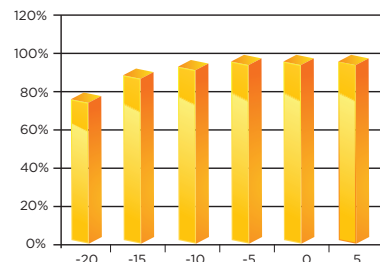
Night Silent Mode

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



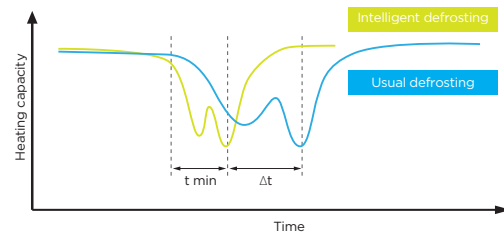
Enhanced Heating Capacity

Heating capacity is 100% of rated capacity at ambient temperatures as low as -5°C and 90% of rated capacity at -15°C.



Intelligent Defrosting Technology

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

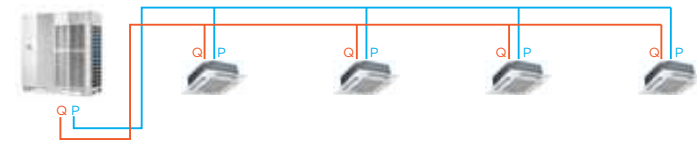


Easy Installation and Service

Non-polarized Communication Wiring*

Only one chain of 2-core non-polarized shielded communication wiring required for indoor and outdoor unit communication.

*In installations where relatively strong electromagnetic fields are present, 3-core shielded wiring should be used in order to prevent interference.



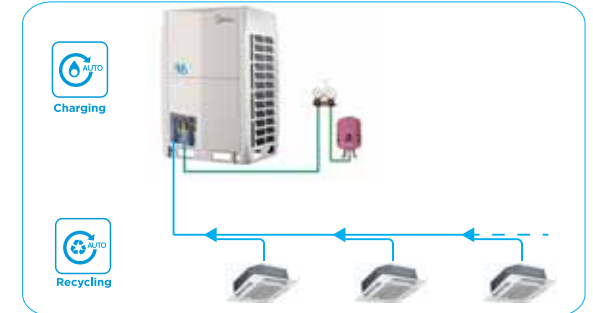
Auto Addressing

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

Automatic Refrigerant Charging/Recycling Function*

Automatic refrigerant charging and recycling make installation and service easier and more efficient.

*This function is available as a customization option.



Optional Multifunctional PCB

An optional multifunctional small PCB can be installed on the unit's side columns, enabling installation and service engineers to activate Auto-commissioning or check the operating status without removing the front panel. It can also perform automatic data backup of the last 30 minutes' operating record.



Specifications



Capacity		HP	8	10	12	14
Model			MV6-252WV2GN1-E	MV6-280WV2GN1-E	MV6-335WV2GN1-E	MV6-400WV2GN1-E
Power supply		V/Ph/Hz	380-415/3/50			
Cooling ¹	Capacity	kW	25.2	28.0	33.5	40.0
		kBut/h	86.0	95.5	114.3	136.5
	Power input	kW	5.3	6.3	8.7	9.9
	EER	kW/kW	4.75	4.45	3.85	4.05
Heating ²	Capacity	kW	25.2	28.0	33.5	40.0
		kBut/h	86.0	95.5	114.3	136.5
	Power input	kW	4.6	5.2	6.6	8.5
	COP	kW/kW	5.50	5.40	5.10	4.70
Connectable Indoor Unit	Total capacity	50-130% of outdoor unit capacity				
	Max. quantity	13	16	20	23	
Compressors	Type	DC inverter				
	Quantity	1				
Fan motors	Type	DC				
	Quantity	1				
Refrigerant	Type	R410A				
	Factory charge	kg	11			13
Pipe connections ³	Liquid pipe	mm	Φ12.7		Φ15.9	Φ15.9
	Gas pipe	mm	Φ25.4		Φ28.6	Φ31.8
Airflow rate		m ³ /h	11000			13000
Sound pressure level ⁴		dB(A)	58		60	62
Sound power level		dB(A)	78		81	85
Net dimensions (WxHxD)		mm	990×1635×790			1340×1635×850
Packed dimensions (WxHxD)		mm	1090×1805×860			1405×1805×910
Net weight		kg	227			277
Gross weight		kg	242			304
Ambient temp. operating range	Cooling	°C	-5 to 48			
	Heating	°C	-23 to 24			



Capacity		HP	16	18	20	22
Model			MV6-450WV2GN1-E	MV6-500WV2GN1-E	MV6-560WV2GN1-E	MV6-615WV2GN1-E
Power supply		V/Ph/Hz	380-415/3/50			
Cooling ¹	Capacity	kW	45.0	50.0	56.0	61.5
		kBut/h	153.5	170.6	191.1	209.8
	Power input	kW	12.0	12.5	15.1	18.4
	EER	kW/kW	3.75	4.00	3.70	3.35
Heating ²	Capacity	kW	45.0	50.0	56.0	61.5
		kBut/h	153.5	170.6	191.1	209.8
	Power input	kW	9.8	10.6	12.7	15.0
	COP	kW/kW	4.60	4.70	4.40	4.10
Connectable Indoor Unit	Total capacity	50-130% of outdoor unit capacity				
	Max. quantity	26	29	33	36	
Compressors	Type	DC inverter				
	Quantity	1				
Fan motors	Type	DC				
	Quantity	1				
Refrigerant	Type	R410A				
	Factory charge	kg	13		17	
Pipe connections ³	Liquid pipe	mm	Φ15.9		Φ19.1	Φ19.1
	Gas pipe	mm	Φ31.8		Φ31.8	Φ31.8
Airflow rate		m ³ /h	13000		17000	
Sound pressure level ⁴		dB(A)	65			66
Sound power level		dB(A)		88		
Net dimensions (WxHxD)		mm	1340×1635×850		1340×1635×825	
Packed dimensions (WxHxD)		mm	1405×1805×910			
Net weight		kg	277		348	
Gross weight		kg	304		368	
Ambient temp. operating range	Cooling	°C	-5 to 48			
	Heating	°C	-23 to 24			

Notes:

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

Specifications



Capacity		HP	24	26	28
Model			MV6-670WV2GN1-E	MV6-730WV2GN1-E	MV6-785WV2GN1-E
Power supply		V/Ph/Hz	380-415/3/50		
Cooling ¹	Capacity	kW	67.0	73.0	78.5
		kBut/h	228.6	249.1	267.8
	Power input	kW	18.1	20.9	24.2
	EER	kW/kW	3.70	3.49	3.25
Heating ²	Capacity	kW	67.0	73.0	78.5
		kBut/h	228.6	249.1	267.8
	Power input	kW	14.9	17.6	20.7
	COP	kW/kW	4.50	4.15	3.80
Connectable Indoor Unit	Total capacity	50-130% of outdoor unit capacity			
	Max. quantity	39	43	46	
Compressors	Type	DC inverter			
	Quantity	2			
Fan motors	Type	DC			
	Quantity	2			
Refrigerant	Type	R410A			
	Factory charge	kg	22		
Pipe connections ³	Liquid pipe	mm	Φ19.1		Φ22.2
	Gas pipe	mm	Φ31.8		Φ31.8
Airflow rate		m ³ /h	25000		
Sound pressure level ⁴		dB(A)	67		68
Sound power level		dB(A)	89		90
Net dimensions (WxHxD)		mm	1730 × 1830 × 850		
Packed dimensions (WxHxD)		mm	1800×2000×910		
Net weight		kg	430		
Gross weight		kg	453		
Ambient temp. operating range	Cooling	°C	-5 to 48		
	Heating	°C	-23 to 24		



Capacity		HP	30	32
Model			MV6-850WV2GN1-E	MV6-900WV2GN1-E
Power supply		V/Ph/Hz	380-415/3/50	
Cooling ¹	Capacity	kW	85.0	90.0
		kBut/h	290.0	307.1
	Power input	kW	27.4	31.0
	EER	kW/kW	3.10	2.90
Heating ²	Capacity	kW	85.0	90.0
		kBut/h	290.0	307.1
	Power input	kW	23.0	25.7
	COP	kW/kW	3.70	3.50
Connectable Indoor Unit	Total capacity	50-130% of outdoor unit capacity		
	Max. quantity	50		53
Compressors	Type	DC inverter		
	Quantity	2		
Fan motors	Type	DC		
	Quantity	2		
Refrigerant	Type	R410A		
	Factory charge	kg	25	
Pipe connections ³	Liquid pipe	mm	Φ22.2	Φ22.2
	Gas pipe	mm	Φ31.8	Φ31.8
Airflow rate		m ³ /h	24000	
Sound pressure level ⁴		dB(A)	68	
Sound power level		dB(A)	90	
Net dimensions (WxHxD)		mm	1730 × 1830 × 850	
Packed dimensions (WxHxD)		mm	1800×2000×910	
Net weight		kg	475	
Gross weight		kg	507	
Ambient temp. operating range	Cooling	°C	-5 to 48	
	Heating	°C	-23 to 24	

Notes:

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

Specifications



Capacity	HP	34	36	38	40	
Model		MV6-950WV2GN1-E	MV6-1015WV2GN1-E	MV6-1065WV2GN1-E	MV6-1120WV2GN1-E	
Combination type		12HP+22HP	14HP+22HP	16HP+22HP	12HP+28HP	
Power supply	V/Ph/Hz	380-415/3/50				
Cooling ¹	Capacity	kW	95.0	101.5	106.5	112.0
		kBut/h	324.1	346.3	363.4	382.1
	Power input	kW	27.1	28.2	30.4	32.9
	EER	kW/kW	3.51	3.59	3.51	3.41
Heating ²	Capacity	kW	95.0	101.5	106.5	112.0
		kBut/h	324.1	346.3	363.4	382.1
	Power input	kW	21.6	23.5	24.8	27.2
	COP	kW/kW	4.40	4.32	4.30	4.11
Connectable Indoor Unit	Total capacity	50-130% of outdoor unit capacity				
	Max. quantity	56	59	63	64	
Compressors	Type	DC inverter				
	Quantity	3				
	Type	DC				
Fan motors	Quantity	3				
	Type	DC				
	Max. ESP	Pa				
Refrigerant	Type	R410A				
	Factory charge	kg	11+17	13+17		11+22
Pipe connections ³	Liquid pipe	mm	Φ19.1			Φ19.1
	Gas pipe	mm	Φ31.8		Φ38.1	
Airflow rate	m ³ /h	28000		30000		36000
Sound pressure level ⁴	dB(A)	69				
Sound power level	dB(A)	91				
Net dimensions (WxHxD)	mm	(990×1635×790)±(1340×1635×825)	(1340×1635×850)±(1340×1635×825)		(990×1635×790)±(1730×1830×850)	
Packed dimensions (WxHxD)	mm	(1090×1805×860)±(1405×1805×)	(1405×1805×910)×2		(1090×1805×860)±(1800×2000×)	
Net weight	kg	227+348	277+348		227+430	
Gross weight	kg	242+368	304+368		242+453	
Ambient temp. operating range	Cooling	°C				
	Heating	°C				



Capacity	HP	42	44	46	48	
Model		MV6-1175WV2GN1-E	MV6-1230WV2GN1-E	MV6-1285WV2GN1-E	MV6-1345WV2GN1-E	
Combination type		20HP+22HP	22HP+22HP	22HP+24HP	22HP+26HP	
Power supply	V/Ph/Hz	380-415/3/50				
Cooling ¹	Capacity	kW	117.5	123.0	128.5	134.5
		kBut/h	400.9	419.7	438.4	458.9
	Power input	kW	33.5	36.7	36.5	39.3
	EER	kW/kW	3.51	3.35	3.52	3.43
Heating ²	Capacity	kW	117.5	123.0	128.5	134.5
		kBut/h	400.9	419.7	438.4	458.9
	Power input	kW	27.7	30.0	29.9	32.6
	COP	kW/kW	4.24	4.10	4.30	4.13
Connectable Indoor Unit	Total capacity	50-130% of outdoor unit capacity				
	Max. quantity	64				
Compressors	Type	DC inverter				
	Quantity	4				
	Type	DC				
Fan motors	Quantity	4				
	Type	DC				
	Max. ESP	Pa				
Refrigerant	Type	R410A				
	Factory charge	kg	17×2		17+22	
Pipe connections ³	Liquid pipe	mm	Φ19.1			Φ19.1
	Gas pipe	mm	Φ31.8		Φ38.1	
Airflow rate	m ³ /h	34000				
Sound pressure level ⁴	dB(A)	70				
Sound power level	dB(A)	92				
Net dimensions (WxHxD)	mm	(1340×1635×825)×2		(1340×1635×825)±(1730×1830×850)		
Packed dimensions (WxHxD)	mm	(1405×1805×910)×2		(1405×1805×910)±(1800×2000×910)		
Net weight	kg	348×2		348+430		
Gross weight	kg	368×2		368+453		
Ambient temp. operating range	Cooling	°C				
	Heating	°C				

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
 - 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.

Specifications



Capacity	HP	50	52	54	56	
Model		MV6-1400WV2GN1-E	MV6-1460WV2GN1-E	MV6-1515WV2GN1-E	MV6-1570WV2GN1-E	
Combination type		22HP+28HP	26HP+26HP	26HP+28HP	28HP+28HP	
Power supply	V/Ph/Hz	380-415/3/50				
Cooling ¹	Capacity	kW	140.0	146.0	151.5	157.0
		kBut/h	477.7	498.2	516.9	535.7
	Power input	kW	42.5	41.8	45.1	48.3
	EER	kW/kW	3.29	3.49	3.36	3.25
Heating ²	Capacity	kW	140.0	146.0	151.5	157.0
		kBut/h	477.7	498.2	516.9	535.7
	Power input	kW	35.7	35.2	38.3	41.3
	COP	kW/kW	3.93	4.15	3.96	3.80
Connectable Indoor Unit	Total capacity	50-130% of outdoor unit capacity				
	Max. quantity	64				
Compressors	Type	DC inverter				
	Quantity	4				
	Type	DC				
Fan motors	Quantity	4				
	Type	DC				
	Max. ESP	Pa				
Refrigerant	Type	R410A				
	Factory charge	kg	17+22		22×2	
Pipe connections ³	Liquid pipe	mm	Φ19.1			Φ19.1
	Gas pipe	mm	Φ38.1			Φ41.3
Airflow rate	m ³ /h	42000		50000		
Sound pressure level ⁴	dB(A)	70				
Sound power level	dB(A)	92				
Net dimensions (WxHxD)	mm	(1340×1635×825)±(1730×1830×850)		(1730×1830×850)×2		
Packed dimensions (WxHxD)	mm	(1405×1805×910)±(1800×2000×910)		(1800×2000×910)×2		
Net weight	kg	348+430		430×2		
Gross weight	kg	368+453		453×2		
Ambient temp. operating range	Cooling	°C				
	Heating	°C				



Capacity	HP	58	60	62	64	
Model		MV6-1635WV2GN1-E	MV6-1685WV2GN1-E	MV6-1750WV2GN1-E	MV6-1800WV2GN1-E	
Combination type		28HP+30HP	28HP+32HP	30HP+32HP	32HP+32HP	
Power supply	V/Ph/Hz	380-415/3/50				
Cooling ¹	Capacity	kW	163.5	168.5	175.0	180.0
		kBut/h	557.9	574.9	597.1	614.2
	Power input	kW	51.6	55.2	58.5	62.1
	EER	kW/kW	3.17	3.05	2.99	2.90
Heating ²	Capacity	kW	163.5	168.5	175.0	180.0
		kBut/h	557.9	574.9	597.1	614.2
	Power input	kW	43.6	46.4	48.7	51.4
	COP	kW/kW	3.75	3.63	3.59	3.50
Connectable Indoor Unit	Total capacity	50-130% of outdoor unit capacity				
	Max. quantity	64				
Compressors	Type	DC inverter				
	Quantity	4				
	Type	DC				
Fan motors	Quantity	4				
	Type	DC				
	Max. ESP	Pa				
Refrigerant	Type	R410A				
	Factory charge	kg	22+25		25×2	
Pipe connections ³	Liquid pipe	mm	Φ19.1			Φ19.1
	Gas pipe	mm	Φ41.3			Φ41.3
Airflow rate	m ³ /h	49000				
Sound pressure level ⁴	dB(A)	70				
Sound power level	dB(A)	92				
Net dimensions (WxHxD)	mm	(1730×1830×850)×2		(1730×1830×850)×2		
Packed dimensions (WxHxD)	mm	(1800×2000×910)×2		(1800×2000×910)×2		
Net weight	kg	430+475		475×2		
Gross weight	kg	453+507		507×2		
Ambient temp. operating range	Cooling	°C				
	Heating	°C				

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
 - 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.

Specifications



Capacity		HP	66	68	70	72
Model			MV6-1850WV2GN1-E	MV6-1915WV2GN1-E	MV6-1965WV2GN1-E	MV6-2020WV2GN1-E
Combination type			12HP+22HP+32HP	14HP+22HP+32HP	16HP+22HP+32HP	12HP+28HP+32HP
Power supply		V/Ph/Hz	380-415/3/50			
Cooling ¹	Capacity	kW	185.0	191.5	196.5	202.0
		kBut/h	631.2	653.4	670.5	689.2
	Power input	kW	58.1	59.3	61.4	63.9
	EER	kW/kW	3.18	3.23	3.20	3.16
Heating ²	Capacity	kW	185.0	191.5	196.5	202.0
		kBut/h	631.2	653.4	670.5	689.2
	Power input	kW	47.3	49.2	50.5	52.9
	COP	kW/kW	3.91	3.89	3.89	3.82
Connectable Indoor Unit	Total capacity	50-130% of outdoor unit capacity				
	Max. quantity	64				
Compressors	Type	DC inverter				
	Quantity	5				
Fan motors	Type	DC				
	Quantity	5				
	Max. ESP	Pa				
Refrigerant	Type	R410A				
	Factory charge	kg	11+17+25	13+17+25		11+22+25
Pipe connections ³	Liquid pipe	mm	Φ19.1		Φ22.2	
	Gas pipe	mm	Φ41.3		Φ44.5	
Airflow rate	m ³ /h	52000		54000		60000
Sound pressure level ⁴				71		
Sound power level				93		
Net dimensions (WxHxD)	mm	(990×1635×790)+(1340×1635×825)+(1730×1830×850)	(1340×1635×850)+(1340×1635×825)+(1730×1830×850)		(990×1635×790)+(1730×1830×850)×2	
Packed dimensions (WxHxD)	mm	(1090×1805×860)+(1405×1805×910)+(1800×2000×910)	(1405×1805×910)×2+(1800×2000×910)		(1090×1805×860)+(1800×2000×910)×2	
Net weight	kg	227+348+475		277+348+475		227+430+475
Gross weight	kg	242+368+507		304+368+507		242+453+507
Ambient temp. operating range	Cooling	°C				-5 to 48
	Heating	°C				-23 to 24



Capacity		HP	74	76	78	80
Model			MV6-2075WV2GN1-E	MV6-2130WV2GN1-E	MV6-2185WV2GN1-E	MV6-2245WV2GN1-E
Combination type			20HP+22HP+32HP	22HP+22HP+32HP	22HP+24HP+32HP	22HP+26HP+32HP
Power supply		V/Ph/Hz	380-415/3/50			
Cooling ¹	Capacity	kW	207.5	213.0	218.5	224.5
		kBut/h	708.0	726.8	745.5	766.0
	Power input	kW	64.5	67.8	67.5	70.3
	EER	kW/kW	3.22	3.14	3.24	3.19
Heating ²	Capacity	kW	207.5	213.0	218.5	224.5
		kBut/h	708.0	726.8	745.5	766.0
	Power input	kW	53.4	55.7	55.6	58.3
	COP	kW/kW	3.88	3.82	3.93	3.85
Connectable Indoor Unit	Total capacity	50-130% of outdoor unit capacity				
	Max. quantity	64				
Compressors	Type	DC inverter				
	Quantity	6				
Fan motors	Type	DC				
	Quantity	6				
	Max. ESP	Pa				
Refrigerant	Type	R410A				
	Factory charge	kg	17×2+25			17+22+25
Pipe connections ³	Liquid pipe	mm		Φ22.2		
	Gas pipe	mm		Φ44.5		
Airflow rate	m ³ /h	58000			66000	
Sound pressure level ⁴				72		
Sound power level				94		
Net dimensions (WxHxD)	mm	(1340×1635×825)×2+(1730×1830×850)		(1340×1635×825)+(1730×1830×850)×2		
Packed dimensions (WxHxD)	mm	(1405×1805×910)×2+(1800×2000×910)		(1405×1805×910)+(1800×2000×910)×2		
Net weight	kg	348+2+475		348+430+475		475×3
Gross weight	kg	368+2+507		368+453+507		507×3
Ambient temp. operating range	Cooling	°C				-5 to 48
	Heating	°C				-23 to 24

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
 - 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.

Specifications



Capacity		HP	82	84	86	88
Model			MV6-2300WV2GN1-E	MV6-2360WV2GN1-E	MV6-2415WV2GN1-E	MV6-2470WV2GN1-E
Combination type			22HP+28HP+32HP	26HP+26HP+32HP	26HP+28HP+32HP	28HP+28HP+32HP
Power supply		V/Ph/Hz	380-415/3/50			
Cooling ¹	Capacity	kW	230.0	236.0	241.5	247.0
		kBut/h	784.8	805.2	824.0	842.8
	Power input	kW	73.5	72.8	76.1	79.3
	EER	kW/kW	3.13	3.24	3.17	3.11
Heating ²	Capacity	kW	230.0	236.0	241.5	247.0
		kBut/h	784.8	805.2	824.0	842.8
	Power input	kW	61.4	60.9	64.0	67.0
	COP	kW/kW	3.75	3.87	3.78	3.68
Connectable Indoor Unit	Total capacity	50-130% of outdoor unit capacity				
	Max. quantity	64				
Compressors	Type	DC inverter				
	Quantity	6				
Fan motors	Type	DC				
	Quantity	6				
	Max. ESP	Pa				
Refrigerant	Type	R410A				
	Factory charge	kg	17+22+25			22×2+25
Pipe connections ³	Liquid pipe	mm	Φ22.2		Φ25.4	
	Gas pipe	mm	Φ44.5		Φ50.8	
Airflow rate	m ³ /h	66000			74000	
Sound pressure level ⁴				72		
Sound power level				94		
Net dimensions (WxHxD)	mm	(1340×1635×825)+(1730×1830×850)×2		(1730×1830×850)×3		
Packed dimensions (WxHxD)	mm	(1405×1805×910)+(1800×2000×910)×2		(1800×2000×910)×3		
Net weight	kg	348+430+475		430×2+475		
Gross weight	kg	368+453+507		453×2+507		
Ambient temp. operating range	Cooling	°C				-5 to 48
	Heating	°C				-23 to 24



Capacity		HP	90	92	94	96
Model			MV6-2535WV2GN1-E	MV6-2585WV2GN1-E	MV6-2650WV2GN1-E	MV6-2700WV2GN1-E
Combination type			28HP+30HP+32HP	28HP+32HP+32HP	30HP+32HP+32HP	32HP+32HP+32HP
Power supply		V/Ph/Hz	380-415/3/50			
Cooling ¹	Capacity	kW	253.5	258.5	265.0	270.0
		kBut/h	864.9	882.0	904.2	921.2
	Power input	kW	82.6	86.2	89.5	93.1
	EER	kW/kW	3.07	3.00	2.96	2.90
Heating ²	Capacity	kW	253.5	258.5	265.0	270.0
		kBut/h	864.9	882.0	904.2	921.2
	Power input	kW	69.3	72.1	74.4	77.1
	COP	kW/kW	3.66	3.59	3.56	3.50
Connectable Indoor Unit	Total capacity	50-130% of outdoor unit capacity				
	Max. quantity	64				
Compressors	Type	DC inverter				
	Quantity	6				
Fan motors	Type	DC				
	Quantity	6				
	Max. ESP	Pa				
Refrigerant	Type	R410A				
	Factory charge	kg	22+25×2			25+25×2
Pipe connections ³	Liquid pipe	mm		Φ25.4		
	Gas pipe	mm		Φ50.8		
Airflow rate	m ³ /h	73000			72000	
Sound pressure level ⁴				72		
Sound power level				94		
Net dimensions (WxHxD)	mm	(1730×1830×850)×3		(1800×2000×910)×3		
Packed dimensions (WxHxD)	mm	(1800×2000×910)×3				
Net weight	kg	430+475×2		475×3		
Gross weight	kg	453+507×2		507×3		
Ambient temp. operating range	Cooling	°C				-5 to 48
	Heating	°C				-23 to 24

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
 - 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.