1602-1V1509

Commercial Air Conditioners **2016**

VRF V5X Series 50Hz

GD Midea Heating & Ventilating Equipment Co., Ltd.
Is certified under the ISO 14001 International standard
for environmental management.
Certificate No.15912E10020R0L

GD Midea Heating & Ventilating Equipment Co., Ltd.
Is certified under the ISO 9001 International standard
for quality assurance.
NO.01 100 019209

GD Midea Heating & Ventilating Equipment Co., Ltd.
Certificate of Occupational Health and Safety Management System
Certificate No. 15912S20006R0L-1.

Midea CAC After-service Application

iOS Version　Android Version

Midea CAC News Application

iOS Version

Commercial Air Conditioner Division
Midea Group

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Midea CAC

Midea CAC is a key division of the Midea Group, a leading producer of consumer appliances and provider of heating, ventilation and air conditioning solutions. Midea CAC has continued with the tradition of innovation upon which it was founded, and emerged as a global leader in the HVAC industry. A strong drive for advancement has created a groundbreaking R&D department that has placed Midea CAC at the forefront of a competitive field. Through these independent efforts and joint cooperation with other global enterprises, Midea has supplied thousands of innovative solutions to customers worldwide.

There are three production bases: Shunde, Chongqing and Hefei.

MCAC Shunde: 38 product lines focusing on VRF, Split Products, Heat Pump Water Heaters, and AHU/FCU.

MCAC Chongqing: 14 product lines focusing on Water Cooled Centrifugal/Screw/Scroll Chillers, Air Cooled Screw/Scroll Chillers, and AHU/FCU.

MCAC Hefei: 11 product lines focusing on VRF, Chillers, and Heat Pump Water Heaters.

2014-2015 » Win FIFA World Cup Stadiums project in Brazil Beira Rio, Olympic Games Stadiums project in Brazil Rio de Janeiro and Africa games Stadiums project in Congo Brazzaville successively

2014 » Launched the All DC Inverter V5X globally, outstanding product performance helps Midea leading VRF market

2011-2014 » Launched the DC Inverter V4 Plus Series successively, complete product lines help Midea successfully enter the mainstream VRF market

2011-2012 » J.V. with Carrier LA and Carrier India successively

2009 » Launched the DC Inverter V4 globally

2008 » Developed DC inverter technology with Toshiba

2000-2001 » Cooperated with Toshiba and Copeland, enter VRF field

1999 » Entered the CAC field

ISO 9001 : 2000
Certificate No.: CC 454

ISO 14001: 2004
Certificate No.:CC1417

Midea Company Introduction

Midea CAC Introduction

OUTDOOR UNIT LINEUP

HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88
																																									
																																									
																																									
																																									
																																									

Single unit

Multi combination

» OUTDOOR UNITS

VRF V5 X SYSTEM

- High Efficiency
- Wide Application Range
- High Reliability
- Enhanced Comfort
- Easy Installation and Service

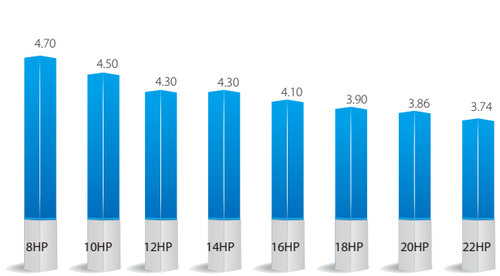
V5X Introduction

V5 X

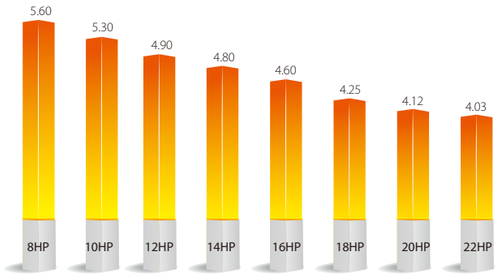
High Efficiency

High EER and COP Values »

V5 X Series achieves the industry's top class energy efficiency in cooling and heating by utilizing all DC inverter compressors, all DC fan motors, and high efficiency heat exchanger.
The cooling EER is up to 4.7 and the heating COP is up to 5.6 in the 8HP category.



EER



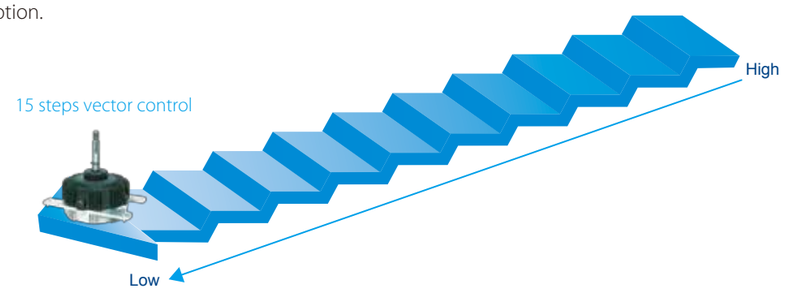
COP

All DC Inverter Compressors »

The DC inverter compressor adopts innovative design and numerous high performance key parts which can reduce power consumption by 25%.

All DC Fan Motors »

The system controls the speed of the fan motor according to the system pressure and system load achieving the minimum power consumption.

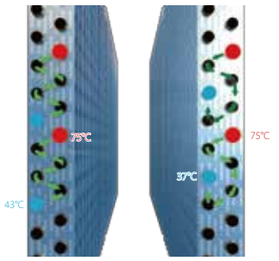


High Efficiency Heat Exchanger »

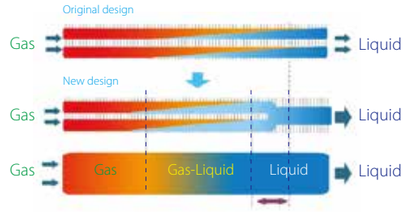
Newly designed window type fins enlarge the heat exchange area and decrease air resistance, enhance heat exchange performance and save more energy.

Hydrophilic fins and internally threaded copper pipes optimize heat exchange efficiency.

δ design increases the hot liquid rate in the condenser and improves the heat-exchange efficiency.

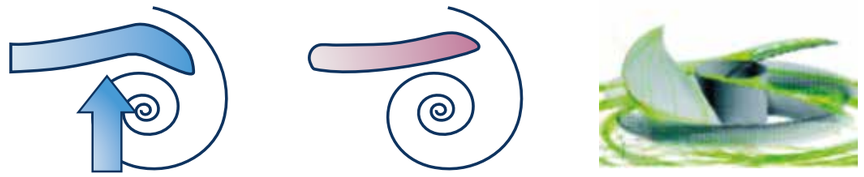


δ design



Newly Designed Fan »

A new blade with sharp edges and a slight curve increases the airflow rate and lowers vibration and airflow resistance.

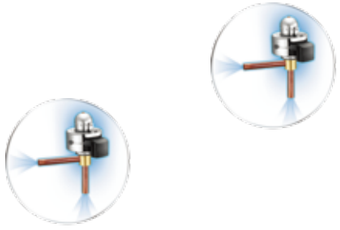


Multi Solenoid Valves Control »

Multi solenoid valves control technology in one system. All the solenoid valves equipped in the unit ensure precise temperature control, stable and efficient running conditions and improved comfort.

Double EXVs Control »

Double EXVs in one system, each EXV part achieves 480 Pulse rate to precisely adjust refrigerant flow.



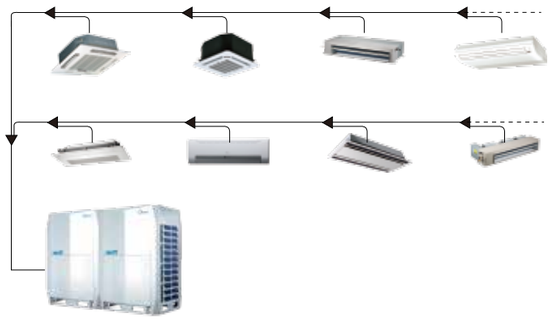
Wide Application Range

Wide Capacity Range »

V5X Series has extensive capacity ranging from 8HP to 88HP, meets all customer requirement concerning small to large buildings.

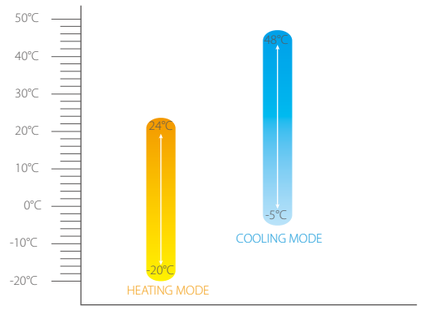
Wide Range of Indoor Units »

Midea provides 12 types and more than 100 models of VRF indoor units maximum meeting varied customer requirements. It widely applied in market, hospital, office building, hotel, airport, etc..



Wide Operation Range »

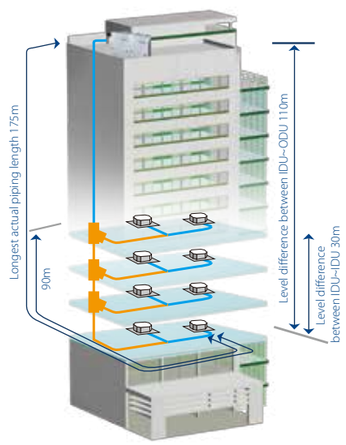
V5X Series operates stably under extreme conditions, ranging from minus 20°C to 48°C.



Long Piping Length »

Total piping length	1000m
Longest length actual (Equivalent)	175(200)m
Longest length after first branch	90*m
Level difference between indoor and outdoor units - ODU up (down)	70(110)m
Level difference between indoor units	30m

*The longest piping length is 40m standard. It can be extended to 90m. When the length is over 40m, please contact your local Midea dealer for more information and restrictions.



High Reliability

Cycle Duty Operation »

The cyclical start-up sequence of outdoor units and DC inverter compressors equalized compressor duty and extends operating life.

Backup Operation »

In a multiple system, if one module is failed, other modules can be backup instead of the failed one for continuing operation.

Precise Oil Control Technology »

5 stages oil control technology ensures all outdoor unit and compressor oil is always kept at a safe level, completely solving any compressor oil shortage problems.

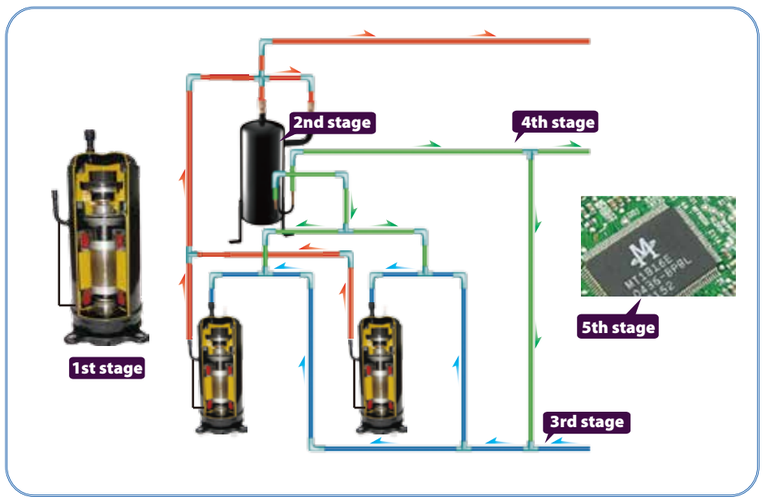
1st stage: Compressor internal oil separation.

2nd stage: High efficiency centrifugal oil separator (separation efficiency up to 99%) ensures oil separated from the discharge gas is returned to the compressors.

3rd stage: Oil balance pipes between compressors ensure even oil distribution to keep compressors running normally.

4th stage: Oil balance pipes among modules ensure even oil distribution among modules.

5th stage: Auto oil return program by monitoring the running time and system status ensures reliable oil return.



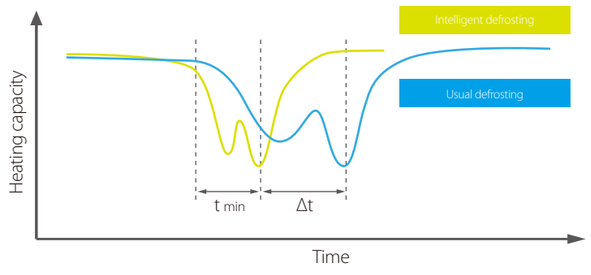
Enhanced Comfort

Night Silent Operation Mode »

Night Silent Mode feature which is easily set on the PCB board allows the unit to be set to various time options during Non-peak and Peak operation time minimizing the units noise output.

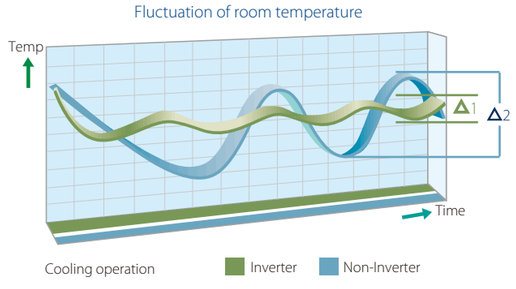
Intelligent Defrosting Technology »

Intelligent defrosting program will judge the defrosting time according to the system real requirement, reduce heating loss caused by unnecessary defrosting and create more comfort. Defrosting time can be shortened to 4 min. due to the specialized defrosting valve.



Rapid Warm Up And Cool Down Function »

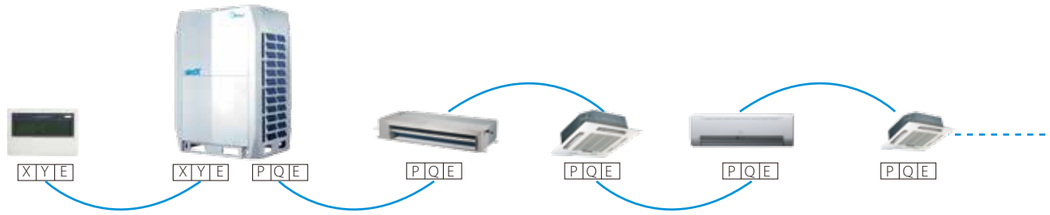
The DC Inverter Compressor system reaches full load rapidly providing less temperature fluctuation and an improved living environment.



Easy Installation and Service

Simple Communication Wiring »

Centralized controller (CCM03 or CCM30) can be connected from indoor side or outdoor side (XYE terminals) at will.
With one set of wires, we can achieve the network communication and system communication, making installation at site more convenient.

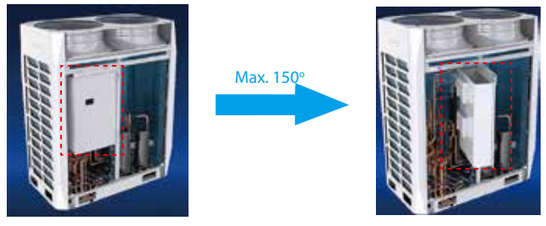


Auto Addressing »

Outdoor unit can distribute addresses for indoor units automatically.
Wireless and wired controllers can query and modify each indoor unit's address.

Rotatable Electric Control Box »

The newly designed rotating control box can rotate on a maximum of 150 degree. It is convenient for the inspection and maintenance of the pipeline system and greatly reduces the dismount time of the electric control box.



Easy Maintainence »

Inspection window for checking the systems status.

Self-diagnosis function helps service engineers locate faults quickly and easily.

Compressor is located near the door, which simplifies checks and enables valve or compressor parts to be replaced easily.

Specifications

HP			8	10	12	14
Model			MV5-X252W/V2GN1	MV5-X280W/V2GN1	MV5-X335W/V2GN1	MV5-X400W/V2GN1
Power supply		V/Ph/Hz	380-415/3/50			
Cooling	Capacity	kW	25.2	28.0	33.5	40.0
	Power input	kW	5.36	6.22	7.79	9.30
	EER		4.70	4.50	4.30	4.30
	ESEER		8.25	7.90	7.54	7.54
Heating	Capacity	kW	27.0	31.5	37.5	45.0
	Power input	kW	4.82	5.94	7.65	9.38
	COP		5.60	5.30	4.90	4.80
Connectable indoor unit	Total capacity		50~130% of outdoor unit capacity			
	Max. quantity		13	16	20	23
Compressor	Type		DC inverter			
	Quantity		1	1	1	2
Fan motor	Type		DC motor			
	Quantity		1	1	1	2
	Max Static Pressure	Pa	20 (default)			
		Pa	60 (customized)			
Refrigerant	Type		R410A			
	Factory charging	kg	9	9	11	13
Pipe connections	Liquid pipe	mm	Φ12.7	Φ12.7	Φ15.9	Φ15.9
	Gas pipe	mm	Φ25.4	Φ25.4	Φ28.6	Φ31.8
	Oil balance pipe	mm	Φ8			
Air flow rate		m^3/h	12000	12000	12000	14000
Sound pressure level		dB(A)	58	59	60	62
Sound power level		dB(A)	70	71	72	74
Net dimension (W×H×D)		mm	990×1635×790			1340×1635×790
Packing size (W×H×D)		mm	1055×1805×855			1405×1805×855
Net weight		kg	219	219	237	297
Gross weight		kg	234	234	252	315
Operating temperature range		℃	Cooling: -5-48; Heating: -20-24			

HP			16	18	20	22
Model			MV5-X450W/V2GN1	MV5-X500W/V2GN1	MV5-X560W/V2GN1	MV5-X615W/V2GN1
Power supply		V/Ph/Hz	380-415/3/50			
Cooling	Capacity	kW	45.0	50.0	56.0	61.5
	Power input	kW	10.98	12.82	14.51	16.44
	EER		4.10	3.90	3.86	3.74
	ESEER		7.20	7.36	7.28	7.04
Heating	Capacity	kW	50.0	56.0	63.0	69.0
	Power input	kW	10.87	13.18	15.29	17.12
	COP		4.60	4.25	4.12	4.03
Connectable indoor unit	Total capacity		50~130% of outdoor unit capacity			
	Max. quantity		26	29	33	36
Compressor	Type		DC inverter			
	Quantity		2			
Fan motor	Type		DC motor			
	Quantity		2			
	Max Static Pressure	Pa	20 (default)			
		Pa	60 (customized)			
Refrigerant	Type		R410A			
	Factory charging	kg	13	13	16	16
Pipe connections	Liquid pipe	mm	Φ15.9	Φ19.1	Φ19.1	Φ19.1
	Gas pipe	mm	Φ31.8	Φ31.8	Φ31.8	Φ31.8
	Oil balance pipe	mm	Φ8			
Air flow rate		m^3/h	14000	16000	16000	16000
Sound pressure level		dB(A)	62	63	63	63
Sound power level		dB(A)	74	75	75	75
Net dimension (W×H×D)		mm	1340×1635×790			
Packing size (W×H×D)		mm	1405×1805×855			
Net weight		kg	297	305	340	340
Gross weight		kg	315	323	358	358
Operating temperature range		℃	Cooling: -5-48; Heating: -20-24			

Notes:
Capacities are based on the following conditions:
Cooling: Indoor temperature 27℃ DB/19℃ WB; Outdoor temperature 35℃ DB/24℃ WB; Heating: Indoor temperature 20℃ DB/15℃ WB; Outdoor temperature 7℃ DB/6℃ WB.
Piping length: Interconnecting piping length is 7.5m, level difference is zero.
Connection piping diameter of single-unit is the stop valve diameter of the unit.
Connection piping diameter of multi-unit is the main pipe connecting to the first indoor branch joint, is case of the total equivalent liquid length is less than 90m. If the total equivalent liquid length is more than 90m, please refer to technical manual to choose the connection piping diameter.
Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.

Specifications

HP			24	26	28	30	32	34
Model			MV5-X670W/V2GN1	MV5-X730W/V2GN1	MV5-X780W/V2GN1	MV5-X840W/V2GN1	MV5-X895W/V2GN1	MV5-X950W/V2GN1
Combined type			12HP×2	10HP+16HP	10HP+18HP	10HP+20HP	10HP+22HP	12HP+22HP
Power supply		V/Ph/Hz	380-415/3/50					
Cooling	Capacity	kW	67.0	73.0	78.0	84.0	89.5	95.0
	Power input	kW	15.58	17.20	19.04	20.73	22.67	24.23
	EER		4.30	4.24	4.10	4.05	3.95	3.92
	ESEER		7.54	7.47	7.50	7.52	7.42	7.38
Heating	Capacity	kW	75.0	81.5	87.5	94.5	100.5	106.5
	Power input	kW	15.31	16.81	19.12	21.23	23.06	24.77
	COP		4.90	4.85	4.58	4.45	4.36	4.30
Connectable indoor unit	Total capacity		50~130% of outdoor unit capacity					
	Max. quantity		39	43	46	50	53	56
Compressor	Type		DC inverter					
	Quantity		2	3	3	3	3	3
Fan motor	Type		DC motor					
	Quantity		2	3	3	3	3	3
Refrigerant	Type		R410A					
	Factory charging	kg	11×2	9+13	9+13	9+16	9+16	11+16
Pipe connections	Liquid pipe	mm	Φ15.9	Φ19.1	Φ19.1	Φ19.1	Φ19.1	Φ19.1
	Gas pipe	mm	Φ28.6	Φ31.8	Φ31.8	Φ31.8	Φ31.8	Φ31.8
	Oil balance pipe	mm	Φ8					
Air flow rate		m^3/h	24000	26000	28000	28000	28000	28000
Sound pressure level		dB(A)	64	65	65	65	65	65
Sound power level		dB(A)	76	77	77	77	77	77
Net dimension (W×H×D)		mm	(990×1635×790)×2	990×1635×790+1340×1635×790				
Packing size (W×H×D)		mm	(1055×1805×855)×2	1055×1805×855+1405×1805×855				
Net weight		kg	237×2	219+297	219+305	219+340	219+340	237+340
Gross weight		kg	252×2	234+315	234+323	234+358	234+358	252+358
Operating temperature range		℃	Cooling: -5-48; Heating: -20-24					

HP			36	38	40	42	44	46
Model			MV5-X1000W/V2GN1	MV5-X1065W/V2GN1	MV5-X1115W/V2GN1	MV5-X1175W/V2GN1	MV5-X1230W/V2GN1	MV5-X1285W/V2GN1
Combined type			18HP×2	16HP+22HP	18HP+22HP	20HP+22HP	22HP×2	12HP×2+22HP
Power supply		V/Ph/Hz	380-415/3/50					
Cooling	Capacity	kW	100.0	106.5	111.5	117.5	123.0	128.5
	Power input	kW	25.64	27.42	29.26	30.95	32.89	32.03
	EER		3.90	3.88	3.81	3.80	3.74	4.01
	ESEER		7.36	7.32	7.10	7.08	7.04	7.49
Heating	Capacity	kW	112.0	119.0	125.0	132.0	138.0	144.0
	Power input	kW	26.35	27.99	30.30	32.41	34.24	32.43
	COP		4.25	4.25	4.13	4.07	4.03	4.44
Connectable indoor unit	Total capacity		50~130% of outdoor unit capacity					
	Max. quantity		59	63	64	64	64	64
Compressor	Type		DC inverter					
	Quantity		4					
Fan motor	Type		DC motor					
	Quantity		4					
Refrigerant	Type		R410A					
	Factory charging	kg	13×2	13+16	13+16	16×2	16×2	11×2+16
Pipe connections	Liquid pipe	mm	Φ19.1					
	Gas pipe	mm	Φ38.1					
	Oil balance pipe	mm	Φ8					
Air flow rate		m^3/h	32000	30000	32000	32000	32000	40000
Sound pressure level		dB(A)	66					
Sound power level		dB(A)	78					
Net dimension (W×H×D)		mm	(1340×1635×790)×2					(990×1635×790)×2+1340×1635×790
Packing size (W×H×D)		mm	(1405×1805×855)×2					(1055×1805×855)×2+1405×1805×855
Net weight		kg	305×2	297+340	305+340	340×2	340×2	237×2+340
Gross weight		kg	323×2	315+358	323+358	358×2	358×2	252×2+358
Operating temperature range		℃	Cooling: -5-48; Heating: -20-24					

Notes:
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Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.

Specifications

HP			48	50	52	54	56
Model			MV5-X1345W/V2GN1	MV5-X1395W/V2GN1	MV5-X1455W/V2GN1	MV5-X1510W/V2GN1	MV5-X1565W/V2GN1
Combined type			10HP+16HP+22HP	10HP+18HP+22HP	10HP+20HP+22HP	10HP+22HP×2	12HP+22HP×2
Power supply		V/Ph/Hz	380-415/3/50				
Cooling	Capacity	kW	134.5	139.5	145.5	151.0	156.5
	Power input	kW	33.64	35.49	37.17	39.11	40.68
	EER		4.00	3.93	3.91	3.86	3.85
	ESEER		7.48	7.40	7.37	7.28	7.18
Heating	Capacity	kW	150.5	156.5	163.5	169.5	175.5
	Power input	kW	33.93	36.24	38.36	40.19	41.90
	COP		4.44	4.32	4.26	4.22	4.19
Connectable indoor unit	Total capacity		50~130% of outdoor unit capacity				
	Max. quantity		64				
Compressor	Type		DC inverter				
	Quantity		5				
Fan motor	Type		DC motor				
	Quantity		5				
Refrigerant	Type		R410A				
	Factory charging	kg	9+13+16	9+13+16	9+16×2	9+16×2	11+16×2
Pipe connections	Liquid pipe	mm	Φ19.1	Φ19.1	Φ22.2	Φ22.2	Φ22.2
	Gas pipe	mm	Φ38.1	Φ38.1	Φ41.3	Φ41.3	Φ41.3
	Oil balance pipe	mm	Φ8				
Air flow rate		m^3/h	42000	44000	44000	44000	44000
Sound pressure level		dB(A)	67				
Sound power level		dB(A)	79				
Net dimension (W×H×D)		mm	990×1635×790+(1340×1635×790)×2				
Packing size (W×H×D)		mm	1055×1805×855+(1405×1805×855)×2				
Net weight		kg	219+297+340	219+305+340	219+340×2	219+340×2	237+340×2
Gross weight		kg	234+315+358	234+323+358	234+358×2	234+358×2	252+358×2
Operating temperature range		℃	Cooling: -5-48; Heating: -20-24				

HP			58	60	62	64	66	68
Model			MV5-X1615W/V2GN1	MV5-X1680W/V2GN1	MV5-X1730W/V2GN1	MV5-X1790W/V2GN1	MV5-X1845W/V2GN1	MV5-X1900W/V2GN1
Combined type			18HP×2+22HP	16HP+22HP×2	18HP+22HP×2	20HP+22HP×2	22HP×3	12HP×2+22HP×2
Power supply		V/Ph/Hz	380-415/3/50					
Cooling	Capacity	kW	161.5	168.0	173.0	179.0	184.5	190.0
	Power input	kW	42.08	43.86	45.71	47.40	49.33	48.47
	EER		3.84	3.83	3.78	3.78	3.74	3.92
	ESEER		7.13	7.12	7.06	7.06	7.04	7.38
Heating	Capacity	kW	181.0	188.0	194.0	201.0	207.0	213.0
	Power input	kW	43.47	45.11	47.42	49.53	51.36	46.13
	COP		4.16	4.17	4.09	4.06	4.03	4.62
Connectable indoor unit	Total capacity		50~130% of outdoor unit capacity					
	Max. quantity		64					
Compressor	Type		DC inverter					
	Quantity		6					
Fan motor	Type		DC motor					
	Quantity		6					
Refrigerant	Type		R410A					
	Factory charging	kg	13×2+16	13+16×2	13+16×2	16×3	16×3	11×2+16×2
Pipe connections	Liquid pipe	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ25.4
	Gas pipe	mm	Φ41.3	Φ41.3	Φ41.3	Φ41.3	Φ41.3	Φ44.5
	Oil balance pipe	mm	Φ8					
Air flow rate		m^3/h	48000	46000	48000	48000	48000	56000
Sound pressure level		dB(A)	68					
Sound power level		dB(A)	80					
Net dimension (W×H×D)		mm	(1340×1635×790)×3					690×1635×790)×2+(1340×1635×790)×2
Packing size (W×H×D)		mm	(1405×1805×855)×3					(1055×1805×855)×2+(1405×1805×855)×2
Net weight		kg	305×2+340	297+340×2	305+340×2	340×3	340×3	237×2+340×2
Gross weight		kg	323×2+358	315+358×2	323+358×2	358×3	358×3	252×2+358×2
Operating temperature range		℃	Cooling: -5-48; Heating: -20-24					

Notes:
Capacities are based on the following conditions:
Cooling: Indoor temperature 27℃ DB/19℃ WB; Outdoor temperature 35℃ DB/24℃ WB; Heating: Indoor temperature 20℃ DB/15℃ WB; Outdoor temperature 7℃ DB/6℃ WB.
Piping length: Interconnecting piping length is 7.5m, level difference is zero.
Connection piping diameter of single-unit is the stop valve diameter of the unit.
Connection piping diameter of multi-unit is the main pipe connecting to the first indoor branch joint, is case of the total equivalent liquid length is less than 90m. If the total equivalent liquid length is more than 90m, please refer to technical manual to choose the connection piping diameter.
Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.

Specifications

HP			70	72	74	76	78
Model			MV5-X1960W/V2GN1	MV5-X2010W/V2GN1	MV5-X2070W/V2GN1	MV5-X2125W/V2GN1	MV5-X2180W/V2GN1
Combined type			10HP+16HP+22HP×2	10HP+18HP+22HP×2	10HP+20HP+22HP×2	10HP+22HP×3	12HP+22HP×3
Power supply		V/Ph/Hz	380-415/3/50				
Cooling	Capacity	kW	196.0	201.0	207.0	212.5	218.0
	Power input	kW	50.09	51.93	53.62	55.55	57.12
	EER		3.91	3.87	3.86	3.83	3.82
	ESEER		7.37	7.30	7.28	7.12	7.11
Heating	Capacity	kW	219.5	225.5	232.5	238.5	244.5
	Power input	kW	51.06	53.36	55.48	57.31	59.02
	COP		4.30	4.23	4.19	4.16	4.14
Connectable indoor unit	Total capacity		50~130% of outdoor unit capacity				
	Max. quantity		64				
Compressor	Type		DC inverter				
	Quantity		7				
Fan motor	Type		DC motor				
	Quantity		7				
Refrigerant	Type		R410A				
	Factory charging	kg	9+13+16×2	9+13+16×2	9+16×3	9+16×3	11+16×3
Pipe connections	Liquid pipe	mm	Φ25.4				
	Gas pipe	mm	Φ44.5				
	Oil balance pipe	mm	Φ8				
Air flow rate		m^3/h	58000	60000	60000	60000	60000
Sound pressure level		dB(A)	69				
Sound power level		dB(A)	81				
Net dimension (W×H×D)		mm	(990×1635×790)+(1340×1635×790)×3				
Packing size (W×H×D)		mm	(1055×1805×855)+(1405×1805×855)×3				
Net weight		kg	219+297+340×2	219+305+340×2	219+340×3	219+340×3	237+340×3
Gross weight		kg	234+315+358×2	234+323+358×2	234+358×3	234+358×3	252+358×3
Operating temperature range		℃	Cooling: -5-48; Heating: -20-24				

HP			80	82	84	86	88
Model			MV5-X2230W/V2GN1	MV5-X2295W/V2GN1	MV5-X2345W/V2GN1	MV5-X2405W/V2GN1	MV5-X2460W/V2GN1
Combined type			18HP×2+22HP×2	16HP+22HP×3	18HP+22HP×3	20HP+22HP×3	22HP×4
Power supply		V/Ph/Hz	380-415/3/50				
Cooling	Capacity	kW	223.0	229.5	234.5	240.5	246.0
	Power input	kW	58.53	60.31	62.15	63.84	65.78
	EER		3.81	3.81	3.77	3.77	3.74
	ESEER		7.10	7.10	7.05	7.05	7.04
Heating	Capacity	kW	250.0	257.0	263.0	270.0	276.0
	Power input	kW	60.60	62.23	64.54	66.66	68.49
	COP		4.13	4.13	4.07	4.05	4.03
Connectable indoor unit	Total capacity		50~130% of outdoor unit capacity				
	Max. quantity		64				
Compressor	Type		DC inverter				
	Quantity		8				
Fan motor	Type		DC motor				
	Quantity		8				
Refrigerant	Type		R410A				
	Factory charging	kg	13×2+16×2	13+16×3	13+16×3	16×4	16×4
Pipe connections	Liquid pipe	mm	Φ25.4				
	Gas pipe	mm	Φ44.5				
	Oil balance pipe	mm	Φ8				
Air flow rate		m^3/h	64000	62000	64000	64000	64000
Sound pressure level		dB(A)	70				
Sound power level		dB(A)	82				
Net dimension (W×H×D)		mm	(1340×1635×790)×4				
Packing size (W×H×D)		mm	(1405×1805×855)×4				
Net weight		kg	305×2+340×2	297+340×3	305+340×3	340×4	340×4
Gross weight		kg	323×2+358×2	315+358×3	323+358×3	358×4	358×4
Operating temperature range		℃	Cooling: -5-48; Heating: -20-24				

Notes:
Capacities are based on the following conditions:
Cooling: Indoor temperature 27℃ DB/19℃ WB; Outdoor temperature 35℃ DB/24℃ WB; Heating: Indoor temperature 20℃ DB/15℃ WB; Outdoor temperature 7℃ DB/6℃ WB.
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Connection piping diameter of single-unit is the stop valve diameter of the unit.
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Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.