

Commercial Air Conditioners 2016





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.
Certificate of Occupational Health and Safety Management System
Certificate No. 15912S20006R0L-1.



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



Android Version

Midea CAC News Application



iOS Version

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Note: The data in this book may be changed without notice for further improvement

on quality and performance.



VRF V4+K Series 50Hz

Midea CAC

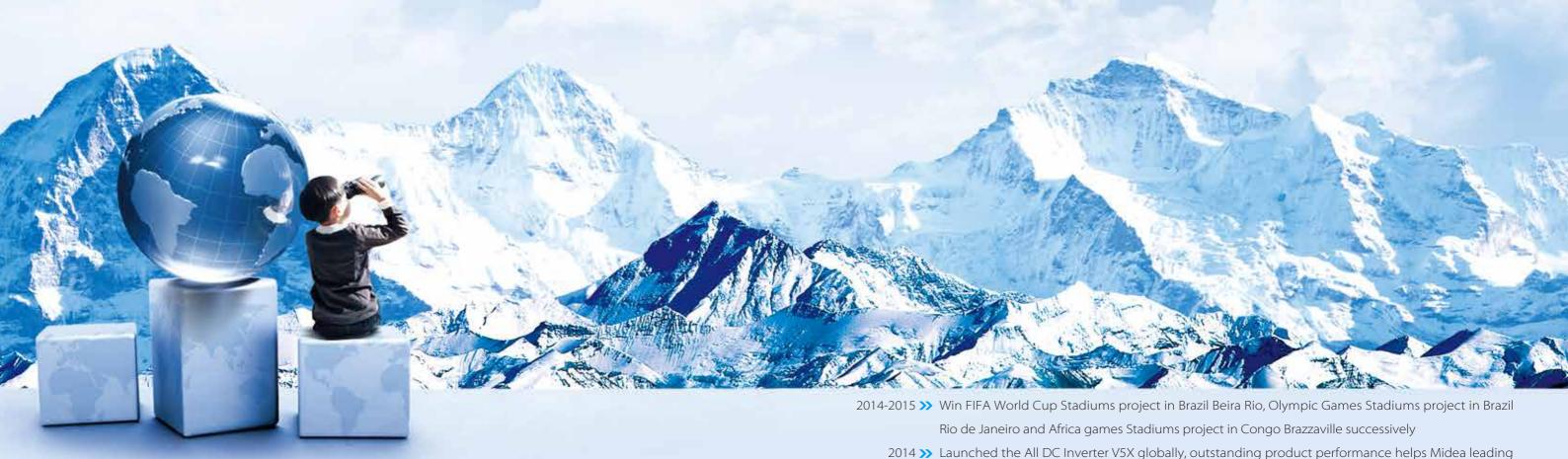
Midea CAC is a key division of the Midea Group, a leading producer of consumer appliances and provider of heating, ventilation and air conditioning solutions. Midea CAC has continued with the tradition of innovation upon which it was founded, and emerged as a global leader in the HVAC industry. A strong 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.

2011-2014 >> Launched the DC Inverter V4 Plus Series successively, complete product lines help Midea

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





















































VRF market

2008 >> Developed DC inverter technology with Toshiba

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

successfully enter the mainstream VRF market

1999 >>> Entered the CAC field









Content

High Efficiency

Wide Application Range

High Reliability

Enhanced Comfort

Easy Installation and Service

Single Unit







Multi Combination







20, 22, 24, 26, 28, 30, 32, 34, 36HP

38, 40, 42, 44, 46, 48, 50, 52, 54HP

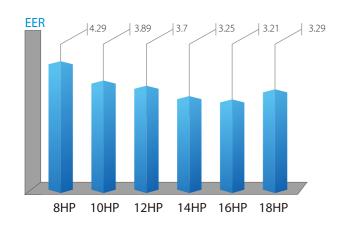
56, 58, 60, 62, 64, 66, 68, 70, 72HP

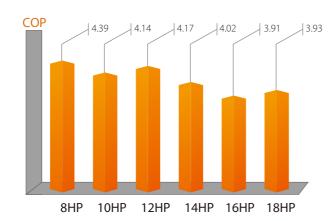


High Efficiency

High EER and COP Values >>>

The cooling EER is up to 4.29 and the heating COP is up to 4.39 in the 8HP category.





High Efficiency DC Inverter Compressor >>>

Midea VRF Air Conditioner achieves the industry's top class energy efficiency in cooling and heating by utilizing DC inverter compressor, DC fan motor, and high efficiency heat exchanger.

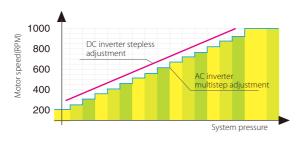
The DC inverter compressor adopts innovative design and numerous high performance key parts which can reduce power consumption by 25%.



High Efficiency DC Fan Motor >>>

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

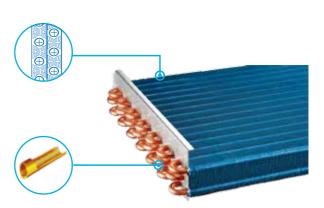




High Efficiency Heat Exchanger >>>

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.



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.





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Wide Application Range

Wide Capacity Range >>>

Midea VRF has extensive capacity ranging from 3HP to 72HP, meets all customer requirement concerning small to large buildings.

Wide Range of Indoor Units >>>

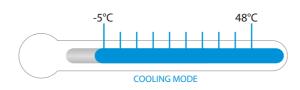
Midea provides 12 types and more than 100 models of VRF indoor units maximum meeting varied customer requirements. It widely applied in market, hospital, office building, hotel, airport, etc..

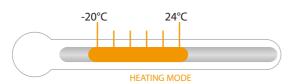




Wide Operation Range >>>

The VRF system operates stably under extreme conditions, ranging from minus 20°C to 48°C.

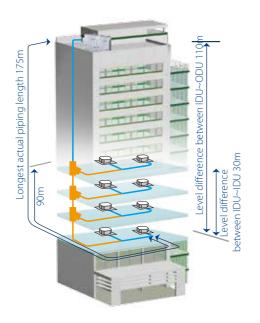




Long Piping Length >>>

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



Backup Operation >>>

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

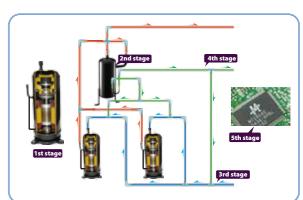




Precise Oil Control Technology >>>

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

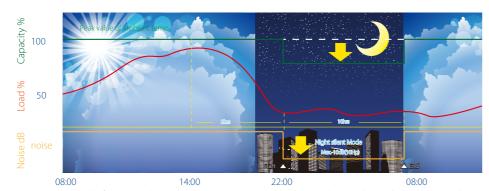
Night Silent Operation Mode >>>

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.

Night Silent operation will be activated X hours after the peak daytime temperature, and it will go back to normal operation after Y hours.

-Mode 1→X: 6 hours, Y: 10 hours -Mode 2→X: 8 hours, Y: 10 hours

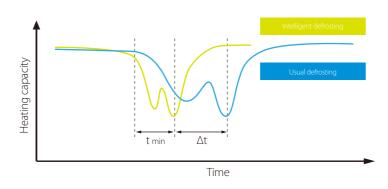
-Mode 3→X: 6 hours, Y: 12 hours -Mode 4→X: 8 hours, Y: 8 hours



Notes: This function can be activated on site. Temperature (load) curve shown in the graph is just an example

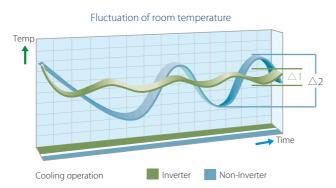
Intelligent Defrosting Technology >>>

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.

Easy Maintenance >>>

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.





Midea Unified Branch Piping >>>

The unified Midea branch piping system is especially designed for simple installation and it also has specifically been designed to optimize refrigerant flow.







Indoor branch box

^{*}Indoor branch box is only available for Mini VRF Series.

V4 Plus K Series

Specifications



HP			8	10	12	14	16	18	
Model MDV-			252(8)W/DRN1(D)	280(10)W/DRN1(D)	335(12)W/DRN1(D)	400(14)W/DRN1(D)	450(16)W/DRN1(D)	500(18)W/DRN1(D)	
Power supply		V/Ph/Hz	2 (2) 22 (2)	()		415/3/50			
	Capacity	kW	25.2	28.0	33.5	40.0	45.0	50.0	
Caaliaa	Power input	kW	5.88	7.20	9.05	12.31	14.02	15.20	
Cooling	EER		4.29	3.89	3.70	3.25	3.21	3.29	
	ESEER		7.52	7.34	6.90	6.13	6.02	6.21	
	Capacity	kW	27.0	31.5	37.5	45.0	50.0	56.0	
Heating	Power input	kW	6.15	7.61	8.99	11.19	12.79	14.25	
	COP		4.39	4.14	4.17	4.02	3.91	3.93	
Connectable	Total capacity				50~130% of o	utdoor unit capacity	y		
indoor unit	Max. quantity		13	16	20	23	26	29	
Compressor	Туре	Туре			DC inve	DC inverter+Fixed			
Compressor	Quantity	Quantity		1	1+1	1+1	1+1	1+1	
	Туре	Гуре		DC					
Fan motor	Quantity	Quantity		1	2	2	2	2	
Tarrinotor	Max Static Pressure	Pa	20 (default)						
	IVIAX Static I Tessure	Pa	40 (customized)	40 (customized)	60 (customized)	40 (customized)	40 (customized)	40 (customized)	
Refrigerant	Туре		R410A						
nemgerane	Factory charging	kg	9	9	11	13	13	16	
Pipe	Liquid pipe	mm	Ф12.7	Ф12.7	Ф15.9	Ф15.9	Ф15.9	Ф19.1	
connections	Gas pipe	mm	Ф25.4	Ф25.4	Ф31.8	Ф31.8	Ф31.8	Ф31.8	
	Oil balance pipe	mm	Φ6						
Air flow rate		m³/h	11500	11500	15100	15100	15250	15250	
Sound pressure level		dB(A)	57	57	59	60	60	61	
Sound power level		dB(A)	69	69	71	72	72	73	
Net dimension (W×H×D) mm			1615×765			615×765			
Packing size (W×H×D)		mm		<1790×830			790×820		
Net weight		kg	200	200	268	280	280	300	
Gross weight		kg	215	215	288	300	300	320	
Operating temperature ra	nge	°C			Cooling: -5-4	8; Heating: -20-24			



HP			20	22	24	26	28	
Model MDV-			560(20)W/DRN1(D)	615(22)W/DRN1(D)	680(24)W/DRN1(D)	730(26)W/DRN1(D)	780(28)W/DRN1(D	
Combined type			10HP×2	10HP+12HP	10HP+14HP	10HP+16HP	10HP+18HP	
Power supply		V/Ph/Hz		-	380-415/3/50	·		
	Capacity	kW	56.0	61.5	68.0	73	78	
Caaliaa	Power input	kW	14.40	16.25	19.51	21.22	22.40	
Cooling	EER	'	3.89	3.78	3.49	3.44	3.48	
	ESEER		7.34	7.13	6.58	6.51	6.57	
	Capacity	kW	63.0	69.0	76.5	81.5	87.5	
Heating	Power input	kW	15.22	16.60	18.80	20.40	21.86	
	COP	_	4.14	4.16	4.07	4.00	4.00	
Connectable	Total capacity		50~1	30% of outdoor unit cap	pacity	·		
indoor unit	Max. quantity		33	36	39	43	46	
Compressor	Туре		DC inverter+Fixed					
Compressor	Quantity		2	2+1	2+1	2+1	2+1	
Fan motor	Туре		DC					
I all Illotol	Quantity	Quantity		3	3	3	3	
Refrigerant	Туре	ype		R410A				
nemgerant	Factory charging	kg	9×2	9+11	9+13	9+13	9+16	
D:	Liquid pipe	mm	Ф15.9	Ф15.9	Ф15.9	Ф19.1	Ф19.1	
Pipe connections	Gas pipe	mm	Ф28.6	Ф28.6	Ф28.6	Ф31.8	Ф31.8	
CONNECTIONS	Oil balance pipe	mm			Ф6	'		
Air flow rate	<u>'</u>	m³/h	11500×2	11500+15100	11500+15100	11500+15100	11500+15250	
Sound pressure level dB(A)		62	63	63	63	63		
Sound power level dB(A)		74	75	75	75	75		
Net dimension (WxHxD) mm		(960×1615×765)×2	(960×1615×765)+(1250×1615×765)					
Packing size (W×H×D)		mm	(1025×1790×830)×2		(1025×179)	0×830)+(1305×1790×82	(0)	
Net weight		kg	200×2	200+268	200+280	200+280	200+300	
Gross weight		kg	215×2	215+288	215+300	215+300	215+320	
Operating temperature	range	°C		Coo	ling: -5-48; Heating: -20-	-24		

Capacities are based on the following conditions:

Cooling: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB; Heating: Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C 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.

V4 Plus K Series

Gas pipe

Oil balance pipe

Specifications

Pipe

connections

Air flow rate

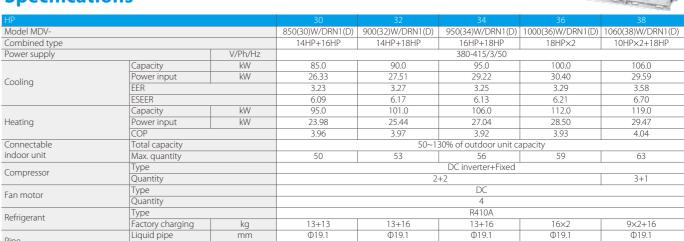
Net weight

Sound pressure level

Sound power level Net dimension (WxHxD)

Packing size (W×H×D)

Operating temperature range



Ф31.8

15100+15250

280+300

300+320

Ф38.1

15100+15250

280+300

300+320

(1250×1615×765)×2

(1305×1790×820)×2

Ф31.8

15100+15100

280+280

300+300

mm

mm

dB(A)

mm

mm

kg



Ф38.1

15250×2

300×2

320×2

HP			40	42	44	46	48		
Model MDV-			1130(40)W/DRN1(D)	1180(42)W/DRN1(D)	1230(44)W/DRN1(D)	1280(46)W/DRN1(D)	1350(48)W/DRN1(D)		
Combined type			10HP+14HP+16HP	10HP+16HP×2	10HP+16HP+18HP	10HP+18HP×2	14HP+16HP+18HP		
Power supply		V/Ph/Hz			380-415/3/50		·		
	Capacity	kW	113.0	118.0	123.0	128.0	135.0		
Cooling	Power input	kW	33.53	35.24	36.42	37.59	41.53		
Cooling	EER		3.37	3.35	3.38	3.40	3.25		
	ESEER		6.36	6.32	6.38	6.44	6.13		
	Capacity	kW	126.5	131.5	137.5	143.5	151.0		
Heating	Power input	kW	31.59	33.18	34.65	36.11	38.23		
	COP		4.00	3.96	3.97	3.97	3.95		
Connectable	Total capacity			50~13	30% of outdoor unit ca	pacity			
indoor unit	Max. quantity			64					
Compressor	Type	Type		DC inverter+Fixed					
Compressor	Quantity			3+3					
Fan motor	Туре		DC						
Tall Hotol	Quantity			6					
Refrigerant	Type								
nemgerane	Factory charging	kg	9+13+13	9+13×2	9+13+16	9+16×2	13+13+16		
Pipe	Liquid pipe	mm			Ф19.1				
connections	Gas pipe	mm			Ф38.1				
	Oil balance pipe	mm			Ф6				
Air flow rate		m³/h	11500+15100+15100	11500+15100×2	11500+15100+15250	11500+15250×2	15100+15100+15250		
Sound pressure level		dB(A)			55		66		
Sound power level		dB(A)		7	77		78		
Net dimension (WxHxD) mm			(1250×1615×765)×3						
Packing size (WxHxD) mm			(1025×1790×830	0)+(1305×1790×820)×	2	(1305×1790×820)×3			
Net weight		kg	200+280+280	200+280×2	200+280+300	200+300×2	280+280+300		
Gross weight		kg	215+300+300	215+300×2	215+300+320	215+320×2	300+300+320		
Operating temperature range		°C		Coo	ling: -5-48; Heating: -2	0-24			

Capacities are based on the following conditions:

Cooling: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB; Heating: Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C 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.



Ф38.1

11500×2+15250

64

060×1615×765)×2+(1250×1615×765)

1025×1790×830)×2+(1305×1790×820)

200×2+300

215×2+320

OUTDOOR UNITS

^{*}heating is only available for heat pump series.

^{*}heating is only available for heat pump series.



V4 Plus K Series

Specifications



HP			50	52	54	
Model MDV-			1400(50)W/DRN1(D)	1450(52)W/DRN1(D)	1500(54)W/DRN1(D)	
Combined type			14HP+18HP×2	16HP+18HP×2	18HP×3	
Power supply		V/Ph/Hz		380-415/3/50		
	Capacity	kW	140.0	145.0	150.0	
Cooling	Power input	kW	42.70	44.42	45.59	
Cooming	EER		3.28	3.26	3.29	
	ESEER		6.19	6.15	6.21	
	Capacity	kW	157.0	162.0	168.0	
Heating	Power input	kW	39.69	41.29	42.75	
	COP		3.96	3.92	3.93	
Connectable	Total capacity		50~130% of outdoor unit capacity			
ndoor unit	Max. quantity			64		
Compressor	Туре		DC inverter+Fixed			
Compressor	Quantity		3+3	3+3	3+3	
an motor	Type		DC			
diffilotoi	Quantity		6			
Refrigerant	Туре		R410A			
nemgerani	Factory charging	kg	13+16×2	13+16×2	16×3	
Pipe	Liquid pipe	mm		Ф22.2		
connections	Gas pipe	mm		Ф41.3		
	Oil balance pipe	mm		Ф6		
Air flow rate		m³/h	15100+15250×2	15100+15250×2	15250×3	
Sound pressure level		dB(A)	66			
Sound power level dB(A)		dB(A)	78			
Net dimension (WxHxD) mm			(1250×1615×765)×3			
Packing size (W×H×D)	acking size (WxHxD)		(1305×1790×820)×3			
Net weight		kg	280+300×2	280+300×2	300×3	
Gross weight		kg	300+320×2	300+320×2	320×3	
Operating temperature rang	ge	°C	-	Cooling: -5-48; Heating: -20-24		



HP			56	58	60		
Model MDV-			1560(56)W/DRN1(D)	1630(58)W/DRN1(D)	1680(60)W/DRN1(D)		
Combined type			10HP×2+18HP×2	10HP+14HP+16HP+18HP	10HP+14HP+18HP×2		
Power supply		V/Ph/Hz		380-415/3/50			
	Capacity	kW	156.0	163.0	168.0		
Cooling	Power input	kW	44.79	48.72	49.90		
Cooling	EER		3.48	3.35	3.37		
	ESEER		6.57	6.32	6.36		
	Capacity	kW	175.0	182.5	188.5		
Heating	Power input	kW	43.72	45.84	47.30		
	COP	•	4.00	3.98	3.98		
Connectable	Total capacity		·	50~130% of outdoor unit capacity			
indoor unit	Max. quantity		64				
Compressor	Туре			DC inverter+Fixed			
Compressor	Quantity		4+2	4+3	4+3		
Fan motor	Type		DC				
1 di i i i i i i i i i i i i i i i i i i	Quantity		6	7	7		
Refrigerant	Туре		R410A				
Kenigerani	Factory charging	kg	9×2+16×2	9+13+13+16	9+13+16×2		
Pipe	Liquid pipe	mm	The state of the s	Ф22.2			
connections	Gas pipe	mm		Ф41.3			
	Oil balance pipe	mm	Ф6				
Air flow rate		m³/h	11500×2+15250×2	11500+15100+15100+15250	11500+15100+15250×2		
Sound pressure level		dB(A)	66	67	67		
Sound power level dB(A)		dB(A)	78	79	79		
Net dimension (WxHxD) mm		(960×1615×765)×2+(1250×1615×765)×2	x1615x765)x2+(1250x1615x765)x2 (960x1615x765)+(1250x1615x765)x3				
Packing size (WxHxD) mm		(1025×1790×830)×2+(1305×1790×820)×2	(1025×1790×830)+(1	305×1790×820)×3			
Net weight		kg	200×2+300×2	200+280+280+300	200+280+300×2		
Gross weight		kg	215×2+320×2	215+300+300+320	215+300+320×2		
Operating temperature rang	e	°C	Cooling: -5-48; Heating: -20-24				

Capacities are based on the following conditions:

Cooling: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB; Heating: Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C 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 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.

*heating is only available for heat pump series.

V4 Plus K Series

Specifications



HP			62	64	66		
Model MDV-			1730(62)W/DRN1(D)	1780(64)W/DRN1(D)	1850(66)W/DRN1(D)		
Combined type			10HP+16HP+18HP×2	10HP+18HP×3	14HP+16HP+18HP×2		
Power supply		V/Ph/Hz	·	380-415/3/50			
	Capacity	kW	173	178	185		
Cooling	Power input	kW	51.613	52.792	56.723		
	EER		3.35	3.37	3.26		
	ESEER		6.32	6.36	6.15		
	Capacity	kW	193.5	199.5	207		
Heating	Power input	kW	48.896	50.359	52.481		
J.	COP	•	3.96	3.96	3.94		
Connectable	Total capacity		5	50~130% of outdoor unit capacity			
indoor unit	Max. quantity		64				
Compressor	Туре		DC inverter+Fixed				
Compressor	Quantity		4+3	4+3	4+4		
Fan motor	Туре		DC				
I di i motor	Quantity		7	7	8		
Refrigerant	Туре		R410A				
herrigerarit	Factory charging	kg	9+13+16×2	9+16×3	13×2+16×2		
D:	Liquid pipe	mm	Ф22.2	Ф22.2	Ф25.4		
Pipe connections	Gas pipe	mm		Ф41.3	Ф44.5		
Connections	Oil balance pipe	mm		Ф6			
Air flow rate	<u> </u>	m³/h	11500+15100+15250×2	11500+15250×3	15100×2+15250×2		
Sound pressure level		dB(A)	67		68		
Sound power level dB(A		dB(A)	79 80		80		
Net dimension (WxHxD)		mm	(960×1615×765)+(1250×1615×765)×3		(1250×1615×765)×4		
Packing size (W×H×D)		mm	(1025×1790×830)+(13	305×1790×820)×3	(1305×1790×820)×4		
Net weight		kg	200+280+300×2	200+300×3	280×2+300×2		
Gross weight		kg	215+300+320×2	215+320×3	300×2+320×2		
Operating temperature rand	ge	°C		Cooling: -5-48; Heating: -20-24			



HP			68	70	72	
Model MDV-			1900(68)W/DRN1(D)	1950(70)W/DRN1(D)	2000(72)W/DRN1(D)	
Combined type			14HP+18HP×3	16HP+18HP×3	18HPx4	
Power supply		V/Ph/Hz	14117+1011743	380-415/3/50	181117.44	
Power supply	Canadia.	kW	190	195	200	
Cooling	Capacity	kW	57.902	59.613	60.792	
	Power input	KVV				
	EER		3.28	3.27	3.29	
	ESEER	134/	6.19	6.17	6.21	
	Capacity	kW	213	218	224	
Heating	Power input	kW	53.944	55.537	57	
	COP		3.95	3.93	3.93	
Connectable	Total capacity		50~130% of outdoor unit capacity			
indoor unit	Max. quantity			64		
Compressor	Туре		DC inverter+Fixed			
Compressor	Quantity		4+4			
Fan motor	Туре		DC			
arrinotor	Quantity		8			
Refrigerant	Type		R410A			
hemgerant	Factory charging	kg	13+16×3	13+16×3	16×4	
):	Liquid pipe	mm		Ф25.4		
Pipe connections	Gas pipe	mm		Ф44.5		
COLLIECTIOLIS	Oil balance pipe	mm		Ф6		
Air flow rate		m³/h	15100+15250×3	15100+15250×3	15250×4	
Sound pressure level		dB(A)	,	68		
		dB(A)	80			
Net dimension (WxHxD) mm		mm	(1250×1615×765)×4			
Packing size (WxHxD) mm			(1305×1790×820)×4			
Net weight		kg	280+300×3	280+300×3	320×4	
Gross weight		kg	300+320×3	300+320×3	320×4	
Operating temperature ra	ange	°C	Cooling: -5-48; Heating: -20-24			

Capacities are based on the following conditions:
Cooling: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB; Heating: Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C 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.

*heating is only available for heat pump series.