



MINI VRF FULL DC INVERTER

Available in capacity ranges from 7.2kW to 45kW Midea's Mini VRF range is slim and compact, resulting in significant savings on installation space. Perfect for commercial and residential applications such as small offices, apartments, and shops, up to 20 indoors can be connected to a single outdoor unit saving time, space, and money.

WIDE RANGE OF INDOOR UNITS

Midea provides 11 ranges and more than 100 models of VRF indoor units. Up to 20 indoors can be connected at a ratio of up to 130% on a single Mini VRF outdoor unit using branch joints saving time, space and money.

WIDE OPERATION RANGE

Mini VRF Series operates stably under extreme conditions, ranging from minus 15°C to 48°C.

LONG PIPING LENGTH

The Mini VRF provides a total piping length possibility of 250m, and maximum height difference between outdoor and indoor units of 50m. The height difference between indoor units can be up to 15m. These generous allowances facilitate an extensive array of system designs.

INDEPENDENT CONTROL

Each indoor can be controlled independently to provide optimum control to individual areas from a single outdoor unit.

EASY INSTALLATION

No special area is required for outdoor units. All outdoor units can be transported by elevator, which greatly simplifies installation and reduces time and labour.

The Mini VRF system's indoor and outdoor units are almost as easy to install as residential air conditioning systems, making them ideal for small offices and shops.



7.2kW(1.5-8kW), 9.0kW(2-10kW)



12.3kW, 14kW, 15.5kW, 17.5kW



20kW, 22.4kW, 26kW 28kW, 33.5kW, 40kW, 45kW

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Mini VRF 8, 10.5kW



Mini VRF 12, 14, 16, 18kW



Mini VRF 20, 22.4, 26, 28, 33.5, 40, 45kW

SINGLE PHASE

MODEL			V80W/DN1	V105W/DN1	V120W/DN1	V140W/DN1	V160W/DN1(B)
HP			3	4	4.5	5	6
Power supply		V/Ph/Hz	220-240/1/50				
Recommended Fuse Size		A	25	32	40	40	40
Cooling	Capacity	kW	7.2(1.5-8.0)	9.0(2.0-10.0)	12.5	14	15.5
Heating	Capacity	kW	7.2(1.6-8.4)	9.0(2.1-10.5)	14	16	17
Connectable indoor unit	Total capacity		45-130% of outdoor unit capacity				
	Max. quantity		4	5	6	6	7
Compressor	Type		Rotary				
	Quantity		1				
Fan motor	Type		DC Motor				
	Quantity		1		1		
Refrigerant	Type		R410A				
	GWP		2088				
	Factory charging	kg	2.95	2.95	2.8	3.2	3.8
	CO ₂ equivalence	kg	6.16	6.16	5.85	6.68	7.93
Pipe connections	Liquid pipe	mm(inch)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)
	Gas pipe	mm(inch)	Φ15.9(5/8)	Φ15.9(5/8)	Φ15.9(5/8)	Φ15.9(5/8)	Φ19.1(3/4)
Air flow rate		m ³ /h	5500	5500	6000	6000	6000
Sound pressure level		dB(A)	53	54	54	54	54
Net Dimensions (WxHxD)		mm	1075x966x396			900x1327x400	
Packing size (WxHxD)		mm	1120x1100x435			1030x1456x435	
Net weight		kg	75.5	75.5	95	99	100
Gross weight		kg	85.5	85.5	105	109	110
Operating temperature range		°C	Cooling: -15-43; Heating: -15-27				

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3 PHASE

MODEL			MDV-120W/DRN1	MDV-V140W/DRN1	MDV-V160W/DRN1	MDV180W/DRN1	MDV200W/DRN1	MDV224W/DRN1
HP			4.5	5	6	6.5	7	8
Power supply		V/Ph/Hz	380-415/3/50					
Recommended Fuse Size		A	25	25	25	25	25	25
Cooling	Capacity	kW	12.5	14	16	17.5	20	22.4
Heating	Capacity	kW	14	16	17.5	19	22	24.5
Connectable indoor unit	Total capacity		50-130% of outdoor unit capacity					
	Max. quantity		6	6	7	9	10	11
Compressor	Type		Rotary					
	Quantity		1					
Fan motor	Type		DC Motor					
	Quantity		2					
Refrigerant	Type		R410A					
	Factory charging	kg	2.8	3.2	3.8	4.5	4.8	6.2
	CO ₂ equivalence	kg	5.85	6.68	7.93	9.4	10.2	12.95
Pipe connections	Liquid pipe	mm(inch)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)
	Gas pipe	mm(inch)	Φ15.9(5/8)	Φ15.9(5/8)	Φ19.1(3/4)	Φ19.1(3/4)	Φ19.1(3/4)	Φ19.1(3/4)
Air flow rate		m ³ /h	6000	6000	6000	6800	10999	10494
Sound pressure level		dB(A)	57	57	57	59	59	59
Net Dimensions (WxHxD)		mm	900 x 1327 x 400					
Packing size (WxHxD)		mm	1030 x 1456 x 435					
Net weight		kg	95	99	100	107	137	146.5
Gross weight		kg	106	109	110	118	153	162.5
Operating temperature range		°C	Cooling: -15-43; Heating: -15-27					

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3 PHASE

MODEL			MDV260W/DRN1	MDVT280W/DGN1	MDVT335W/DGN1	V400W/DRN1	V450W/DRN1	
HP			9	10	12	14	16	
Power supply		V/Ph/Hz	380-415/3/50					
Recommended Fuse Size		A	32	32	32	60	60	
Cooling	Capacity	kW	26	28	33.5	40	45	
Heating	Capacity	kW	28.5	31.5	37.5	45	50	
Connectable indoor unit	Total capacity		50-130% of outdoor unit capacity					
	Max. quantity		12	16	20	14	15	
Compressor	Type		DC Inverter					
	Quantity		1			2		
Fan motor	Type		DC Motor					
	Quantity		2					
Refrigerant	Type		R410A					
	Factory charging	kg	6.2	8	8	9	12	
	CO ₂ equivalence	kg	12.95	16.7	16.7	18.79	25.06	
Pipe connections	Liquid pipe	mm(inch)	Φ9.53(3/8)	Φ9.53(3/8)	Φ12.7(1/2)	Φ12.7(1/2)	Φ12.7(1/2)	
	Gas pipe	mm(inch)	Φ19.1(7/8)	Φ22.2(7/8)	Φ25.4(1 1/8)	Φ22.2(7/8)	Φ25.4 (1 1/8)	
Air flow rate		m ³ /h	10494	11000	11300	16575	16575	
Sound pressure level		dB(A)	60	59	61	62	62	
Net Dimensions (WxHxD)		mm	1120x1558x528			1360x1650x540		1460x1650x540
Packing size (WxHxD)		mm	1270x1720x565			1450x1785x560		1550x1785x560
Net weight		kg	147	157		240	275	
Gross weight		kg	163	173		260	290	
Operating temperature range		°C	Cooling: -15-46; Heating: -15-24			Cooling: -5-48; Heating: -15-24		

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB. Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB
Sound Pressure is measured 1.0 in front of the unit and 1.5m above floor level at Nominal Conditions