

VRF OUTDOOR 2026



V6R HEAT RECOVERY VRF



Midea's V6R range is the industry's first 3 pipe Heat Recovery VRF with zonal leak detection that guarantees the system's safe and reliable operation. Available from 8HP to 54HP, the exclusive range is extremely versatile and can meet the needs of small, medium, or large sized applications.

INDUSTRY'S FIRST 3 PIPE HEAT RECOVERY VRF WITH ZONAL LEAK DETECTION

- Only isolates the MS zone that detects a refrigerant leak.
- Isolation reduces the risk of system refrigerant loss whilst limiting any potential risk to room occupants.
- Non effected zones will continue to operate safely.
- Dry contacts to 3rd party controls can activate alarms and enable ventilation extract fans.
- Time required to repair the cause of leak is significantly reduced.

WIDE CAPACITY RANGE

Single module from 8HP to 18HP.
Double module from 16HP to 36HP.
Triple module from 24HP to 54HP.

FLEXIBLE AND EASY TO INSTALL

Each outdoor unit is lightweight and allows total piping lengths of up to 1000 m. A maximum height difference of 110 m between outdoor and indoor units, and up to 30 m between indoor units, provides greater installation flexibility.

FRESH AIR SUPPLY

With a wide operating range in cooling, heating and simultaneous cooling and heating modes, the V6R can also be connected to a fresh air unit or HRV to supply continuous fresh air.

MULTIPLE PORT MS BOXES

When combined with the intelligent MS Box, the system offers additional flexibility with multiple port options of 4, 6, 8, 10 or 12. Each port can connect up to five indoor units, allowing the V6R to accommodate a wide range of system designs and site requirements.

DOMESTIC HOT WATER AND UNDERFLOOR HEATING

The V6R range is a multipurpose solution and can achieve space cooling/heating and domestic hot water (25°C to 80°C) simultaneously, by connecting to a Midea high temperature hydro module. The hot water can be used for domestic hot water and underfloor heating, improving room comfort.

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V6R 8-12

V6R 14-18

Multiple port MS boxes (1/4/6/8/10/12 ports)

Up to 60 indoors from one single MS12 box



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MODEL			MV6-R252WV2RN1	MV6-R280WV2RN1	MV6-R335WV2RN1
HP			8	10	12
Power supply		V-Ph-Hz	380-415V, 3Ph, 50Hz		
Recommended Fuse Size		A	20	25	25
Cooling	Capacity	kW	22.4	28	33.5
Heating	Capacity	kW	25	31.5	37.5
Seasonal Efficiency	SEER**	W/W	7.26	6.6	6.8
	SCOP**	W/W	4.29	4.39	4.59
Connectable Range	Total capacity		50-200% of outdoor unit capacity*		
	Connectable Indoors		64		
Compressor	Type		DC inverter		
	Quantity		1		
Fan motor	Type		DC motor		
	Quantity		1		
	Static pressure	Pa	0,20,40,60,80(Selectable)		
Refrigerant	Type		R410A		
	GWP		2088		
	Factory charging	kg	8	8	8
Pipe connections	Liquid pipe	mm(inch)	Ø12.7(1/2)	Ø12.7(1/2)	Ø12.7(1/2)
	Low pressure gas pipe	mm(inch)	Ø28.6(1 1/8)	Ø28.6(1 1/8)	Ø28.6(1 1/8)
	High pressure gas pipe	mm(inch)	Ø19.1(3/4)	Ø19.1(3/4)	Ø19.1(3/4)
Air flow rate		m ³ /h	9000	9500	10000
Sound pressure level		dB(A)	58	61	62
Net Dimensions (WxHxD)		mm	990x1635x790		
Packing size (WxHxD)		mm	1090x1805x860		
Net weight		kg	232	232	232
Gross weight		kg	248	248	248
Operating temperature range		°C	Cooling: -15-52; Heating: -25-19; Simultaneous Cooling / Heating: -5-27 / -5-19		
Domestic hot water		°C	-20 - 43		

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 1.0m below the air-outlet at Nominal Conditions.
 Pipe sizes can vary depending on actual connected capacity - a schematic can be provided

for installation to provide job specific requirements.
 *RESTRICTIONS APPLY - See technical manual for full details.
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MODEL			MV6-R400WV2RN1	MV6-R450WV2RN1	MV6-R500WV2RN1
HP			14	16	18
Power supply		V-Ph-Hz	380-415V, 3Ph, 50Hz		
Recommended Fuse Size		A	32	40	40
Cooling	Capacity	kW	40	45	50
Heating	Capacity	kW	45	50	56
Seasonal Efficiency	SEER**	W/W	6.65	6.44	6.22
	SCOP**	W/W	4.27	4.33	4.35
Connectable Range	Total capacity		50-200% of outdoor unit capacity*		
	Connectable Indoors		64		
Compressor	Type		DC inverter		
	Quantity		1		
Fan motor	Type		DC motor		
	Quantity		2		
	Static pressure	Pa	0,20,40,60,80(Selectable)		
Refrigerant	Type		R410A		
	GWP		2088		
	Factory charging	kg	10	10	10
Pipe connections	Liquid pipe	mm(inch)	Ø15.9(5/8)	Ø15.9(5/8)	Ø15.9(5/8)
	Low pressure gas pipe	mm(inch)	Ø28.6(1 1/8)	Ø28.6(1 1/8)	Ø28.6(1 1/8)
	High pressure gas pipe	mm(inch)	Ø22.2(7/8)	Ø22.2(7/8)	Ø22.2(7/8)
Air flow rate		m ³ /h	14000	14900	15800
Sound pressure level		dB(A)	63	64	65
Net Dimensions (WxHxD)		mm	1340x1635x825		
Packing size (WxHxD)		mm	1405x1805x910		
Net weight		kg	300	300	300
Gross weight		kg	325	325	325
Operating temperature range		°C	Cooling: -15-52; Heating: -25-19; Simultaneous Cooling / Heating: -5-27 / -5-19		
Domestic hot water		°C	-20 - 43		

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MODEL			MV6-R560WV2RN1	MV6-R615WV2RN1	MV6-R680WV2RN1	MV6-R735WV2RN1	MV6-R785WV2RN1	MV6-R835WV2RN1
HP			20	22	24	26	28	30
COMBINATION			10HP+10HP	10HP+12HP	10HP+14HP	12HP+14HP	12HP+16HP	12HP+18HP
Power supply		V-Ph-Hz	380-415/3/50					
Recommended Fuse Size		A	25+25	25+25	25+32	25+32	25+40	25+40
Cooling	Capacity	kW	56	61.5	68	73.5	78.5	83.5
	Capacity	kW	63	69	76.5	82.5	87.5	93.5
Seasonal Efficiency	SEER**	W/W	6.57	6.68	6.6	6.69	6.58	6.43
	SCOP**	W/W	4.39	4.49	4.32	4.4	4.43	4.44
Connectable Range	Total capacity	50-200%*of outdoor unit capacity*						
	Connectable Indoors	64						
Compressor	Type	DC inverter						
	Quantity	2						
Fan motor	Type	DC motor						
	Quantity	2				3		
	Static pressure	Pa	0,20,40,60,80(Selectable)					
Refrigerant	Type	R410A						
	GWP	2088						
	Factory charging	kg	16	16	18	18	18	18
Pipe connections	Liquid pipe	mm(inch)	Ø15.9(5/8)	Ø15.9(5/8)	Ø15.9(5/8)	Ø19.1(3/4)	Ø19.1(3/4)	Ø19.1(3/4)
	Low pressure gas pipe	mm(inch)	Ø28.6(1 1/8)	Ø28.6(1 1/8)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)
	High pressure gas pipe	mm(inch)	Ø28.6(1 1/8)	Ø28.6(1 1/8)	Ø28.6(1 1/8)	Ø28.6(1 1/8)	Ø28.6(1 1/8)	Ø28.6(1 1/8)
Air flow rate	m3/h	19000	19500	23500	24000	24900	25800	
Sound pressure level	dB(A)	61	62	63	64	65	66	
Net Dimensions (WxHxD)	mm	(990x1635x790)x2			990x1635x790+1340x1635x825			
Packing size (WxHxD)	mm	(1090x1805x860)x2			1090x1805x860+1405x1805x910			
Net weight	kg	232x2	232x2	232+300	232+300	232+300	232+300	
Gross weight	kg	248x2	248x2	248+325	248+325	248+325	248+325	
Operating temperature range	°C	Cooling: -15-52; Heating: -25-19; Simultaneous Cooling / Heating: -5-27 / -5-19						
Domestic hot water	°C	-20 - 43						

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MODEL			MV6-R900WV2RN1	MV6-R950WV2RN1	MV6-R1000WV2RN1	MV6-R1070WV2RN1	MV6-R1120WV2RN1	MV6-R1185WV2RN1
HP			32	34	36	38	40	42
COMBINATION			16HP+16HP	16HP+18HP	18HP+18HP	12HP+12HP+14HP	12HP+12HP+16HP	12HP+14HP+16HP
Power supply		V-Ph-Hz	380-415V, 3Ph, 50Hz					
Recommended Fuse Size		A	40+40	40+40	40+40	25+25+32	25+25+40	25+32+40
Cooling	Capacity	kW	90	95	100	107	112	118.5
Heating	Capacity	kW	100	106	112	120	125	132.5
Seasonal Efficiency	SEER**	W/W	6.42	6.3	6.2	6.71	6.62	6.58
	SCOP**	W/W	4.33	4.33	4.35	4.45	4.47	4.37
Connectable Range	Total capacity		50-200% of outdoor unit capacity*					
	Connectable Indoors		64					
Compressor	Type		DC inverter					
	Quantity		2			3		
Fan motor	Type		DC motor					
	Quantity		3					
	Static pressure	Pa	0,20,40,60,80(Selectable)					
Refrigerant	Type		R410A					
	GWP		2088					
	Factory charging	kg	20	20	20	26	26	28
Pipe connections	Liquid pipe	mm(inch)	Ø19.1(3/4)	Ø19.1(3/4)	Ø19.1(3/4)	Ø19.1(3/4)	Ø19.1(3/4)	Ø19.1(3/4)
	Low pressure gas pipe	mm(inch)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)	Ø41.3 (1 5/8)	Ø41.3 (1 5/8)	Ø41.3 (1 5/8)
	High pressure gas pipe	mm(inch)	Ø28.6(1 1/8)	Ø28.6(1 1/8)	Ø28.6(1 1/8)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)
Air flow rate	m3/h	29800	30700	31600	34000	34900	38900	
Sound pressure level	dB(A)	67	68	68	65	67	67	
Net Dimensions (WxHxD)	mm	(1340x1635x825)x2				(990x1635x790)x2+1340x1635x825		990x1635x790+(1340x1635x825)x2
Packing size (WxHxD)	mm	(1405x1805x910)x2				(1090x1805x860)x2+1405x1805x910		1090x1805x860+(1405x1805x910)x2
Net weight	kg	300x2	300x2	300x2	232x2+300	232x2+300	232+300x2	
Gross weight	kg	325x2	325x2	325x2	248x2+325	248x2+325	248+325x2	
Operating temperature range	°C	Cooling: -15-52; Heating: -25-19; Simultaneous Cooling / Heating: -5-27 / -5-19						
Domestic hot water	°C	-20 - 43						

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MODEL			MV6-R1235WV2RN1	MV6-R1300WV2RN1	MV6-R1350WV2RN1	MV6-R1400WV2RN1	MV6-R1450WV2RN1	MV6-R1500WV2RN1
HP			44	46	48	50	52	54
COMBINATION			12HP+16HP+16HP	14HP+16HP+16HP	16HP+16HP+16HP	16HP+16HP+18HP	16HP+18HP+18HP	18HP+18HP+18HP
Power supply		V-Ph-Hz	380-415V, 3Ph, 50Hz					
Recommended Fuse Size		A	25+40+40	32+40+40	40+40+40	40+40+40	40+40+40	40+40+40
Cooling	Capacity	kW	123.5	130	135	140	145	150
	Capacity	kW	137.5	145	150	156	162	168
Seasonal Efficiency	SEER**	W/W	6.52	6.47	6.42	6.34	6.27	6.2
	SCOP**	W/W	4.39	4.31	4.33	4.33	4.35	4.35
Connectable Range	Total capacity	50-200% of outdoor unit capacity*						
	Connectable Indoors	64						
Compressor	Type	DC inverter						
	Quantity	3						
Fan motor	Type	DC motor						
	Quantity	5	6					
	Static pressure	Pa	0,20,40,60,80(Selectable)					
Refrigerant	Type	R410A						
	GWP	2088						
	Factory charging	kg	28	30	30	30	30	30
Pipe connections	Liquid pipe	mm(inch)	Ø19.1(3/4)	Ø19.1(3/4)	Ø19.1(3/4)	Ø19.1(3/4)	Ø19.1(3/4)	Ø19.1(3/4)
	Low pressure gas pipe	mm(inch)	Ø41.3 (1 5/8)	Ø41.3 (1 5/8)	Ø41.3 (1 5/8)	Ø41.3 (1 5/8)	Ø41.3 (1 5/8)	Ø41.3 (1 5/8)
	High pressure gas pipe	mm(inch)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)
Air flow rate	m ³ /h	39800	43800	44700	45600	46500	47400	
Sound pressure level	dB(A)	68	68	69	69	69	70	
Net Dimensions (WxHxD)	mm	990x1635x790+(1340x1635x825)x2			(1340x1635x825)x3			
Packing size (WxHxD)	mm	1090x1805x860+(1405x1805x910)x2			(1405x1805x910)x3			
Net weight	kg	232+300x2	300x3	300x3	300x3	300x3	300x3	
Gross weight	kg	248+325x2	325x3	325x3	325x3	325x3	325x3	
Operating temperature range	°C	Cooling: -15-52; Heating: -25-19; Simultaneous Cooling / Heating: -5-27 / -5-19						
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