

# VRF OUTDOOR 2026



## VRF V8 HEAT PUMP SERIES



Midea's V8 Heat Pump range is available from 8HP up to 32HP, which is the world's largest single VRF unit capacity. The range has SUPERSENSE sensors distributed throughout the refrigerant system, which can determine the status of the refrigerant, ensuring stable operation and high reliability.

### WIDE APPLICATION RANGE

Starting at 8HP, capacity increases in 2HP increments up to 32HP, which is the world's largest single VRF unit capacity.

### WIDE OPERATION RANGE

The V8 Heat Pump VRF can operate stably in a wide ambient temperature range from -15°C to 55°C in cooling mode and from -30°C to 30°C in heating mode.

### LONG PIPING CAPABILITY

The V8 system can support a total piping length of up to 1100m, an installation height difference of up to 110m between indoor and outdoor units, and up to 40m between indoor units, making the V8 adaptable to a wide range of building designs.

- Total piping length; 1100m
- Longest piping length - actual (equivalent): 175m (200m)
- Longest piping length after first branch: 40/120\*m
- Level difference between IDUs and ODU - ODU above (below): 110m(110m)
- Level difference between IDUs: 40m

\*The longest length after the first branch is 40m as standard but can be extended to up to 120m under certain conditions. Please contact us for further information.

## VRF V8 HEAT PUMP SERIES



V8 225-450 kW



V8 500-670 kW



V8 730-900 kW

# VRF OUTDOOR 2026



## ANTI-CORROSION



## DUSTPROOF



## RAIN & SNOW PROOF



## INSECT PROOF



## HIGH RELIABILITY SUPERSENSE

Up to 19 sensors are distributed throughout the refrigerant system to monitor its status, ensuring stable operation and high reliability. Combined with digital twin technology, the system can create a virtual sensor if a physical sensor fails, allowing continued operation and maintaining comfort.

## SHIELDBOX

A fully sealed electrical control box protects internal electronic components, improving overall system reliability.

## AUTO DUST CLEAN FUNCTION

An innovative auto-clean function automatically removes dust from the outdoor unit, helping maintain performance and reliability.

## EASY INSTALLATION AND SERVICE

Static pressure of up to 80 Pa allows the outdoor unit to be installed on balconies or on individual floors of high-rise buildings.

## AUTO ADDRESSING

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

## ENERGY SAVING

### LOW STANDBY POWER CONSUMPTION

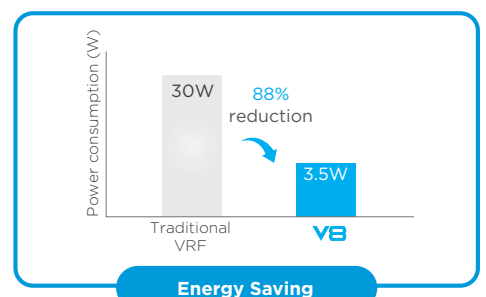
Compared to the standby power consumption of traditional VRF of approximately 30kW, the V8 system uses optimised control scheme to further reduce standby power consumption to as low as 3.5kW.

### MIDEA EVAPORATING TEMPERATURE ALTERATION (META)

Built-in professional operation and maintenance algorithm, so that the annual operation energy efficiency of each set of systems is increased by more than 28%.



Auto Dust Cleaning Function



Energy Saving

# VRF OUTDOOR 2026



## VRF V8 HEAT PUMP SERIES



MODEL			MV8i-252WV2RNIE (PRO)	MV8i-280WV2RNIE (PRO)	MV8i-335WV2RNIE (PRO)	MV8i-400WV2RNIE (PRO)	MV8i-450WV2RNIE (PRO)
HP			8	10	12	14	16
Power supply		V-Ph-Hz	380-415V, 3Ph, 50Hz				
Recommended Fuse Size		A	20	25	32	32	40
Cooling	Capacity	kW	25.2	28	33.5	40	45
Heating	Capacity	kW	27	31.5	37.5	45	50
Seasonal Efficiency	SEER*	W/W	7.33	7.25	7.19	7.28	6.83
	SCOP*	W/W	4.33	4.27	4.29	4.37	4.27
Connectable Range	Total capacity		50-130% of outdoor unit capacity				
	Connectable Indoors		13	16	19	23	26
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		1	1	1	1	1
Fan motor	Type		DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
	Quantity		1	1	1	1	1
	Static pressure	Pa	0,20,40,60,80(Selectable)				
Refrigerant	Type		R410A				
	GWP		2088				
	Factory charging	kg	7	7	7	8.4	8.4
Pipe connections	Liquid pipe	mm(inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø15.9 (5/8)	Ø15.9 (5/8)
	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)
Air flow rate		m <sup>3</sup> /h	12600	12600	13500	15600	15600
Sound pressure level		dB(A)	58	58	61	65	65
Net Dimensions (WxHxD)		mm	940×1760×825	940×1760×825	940×1760×825	940×1760×825	940×1760×825
Packing size (WxHxD)		mm	1010×1945×890	1010×1945×890	1010×1945×890	1010×1945×890	1010×1945×890
Net weight		kg	195	195	195	215	215
Gross weight		kg	213	213	213	232	232
Operating temperature range		°C	Cooling: -15-55, Heating: -30-30				

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.  
 \* SEER / SCOP figures can vary depending on indoor to outdoor combinations.

**DATA IS SUBJECT TO CHANGE, SCAN THE QR CODE FOR MOST RECENT PRODUCT INFORMATION**

# VRF OUTDOOR 2026



## VRF V8 HEAT PUMP SERIES



MODEL			MV8i-500WV2RN1E(PRO)	MV8i-560WV2RN1E(PRO)	MV8i-615WV2RN1E(PRO)	MV8i-670WV2RN1E(PRO)
HP			18	20	22	24
Power supply		V-Ph-Hz	380-415V, 3Ph, 50Hz			
Recommended Fuse Size		A	40	50	50	63
Cooling	Capacity	kW	50	56	61.5	67
Heating	Capacity	kW	56	63	69	75
Seasonal Efficiency	SEER*	W/W	7.03	6.63	6.63	6.14
	SCOP*	W/W	4.25	4.2	4.35	4.28
Connectable Range	Total capacity		50-130% of outdoor unit capacity			
	Connectable Indoors		29	33	36	39
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		2	2	2	2
Fan motor	Type		DC Motor	DC Motor	DC Motor	DC Motor
	Quantity		2	2	2	2
	Static pressure	Pa	0,20,40,60,80(Selectable)			
Refrigerant	Type		R410A			
	GWP		2088			
	Factory charging	kg	9.3	9.3	11.96	11.96
Pipe connections	Liquid pipe	mm(inch)	Ø15.9 (5/8)	Ø15.9 (5/8)	Ø15.9 (5/8)	Ø15.9 (5/8)
	Gas pipe	mm(inch)	Ø28.6 (1 1/8)	Ø28.6 (1 1/8)	Ø28.6 (1 1/8)	Ø28.6 (1 1/8)
Air flow rate		m <sup>3</sup> /h	22000	22000	21500	21500
Sound pressure level		dB(A)	65	66	66	67
Net Dimensions (WxHxD)		mm	1340×1760×825	1340×1760×825	1340×1760×825	1340×1760×825
Packing size (WxHxD)		mm	1410×1945×890	1410×1945×890	1410×1945×890	1410×1945×890
Net weight		kg	295	295	315	315
Gross weight		kg	315	315	335	335
Operating temperature range		°C	Cooling: -15-55, Heating: -30-30			

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.  
 \* SEER / SCOP figures can vary depending on indoor to outdoor combinations.

**DATA IS SUBJECT TO CHANGE, SCAN THE QR CODE FOR MOST RECENT PRODUCT INFORMATION**

# VRF OUTDOOR 2026



## VRF V8 HEAT PUMP SERIES



MODEL			MV8i-730WV2RN1E(PRO)	MV8i-785WV2RN1E(PRO)	MV8i-850WV2RN1E(PRO)	MV8i-900WV2RN1E(PRO)
HP			26	28	30	32
Power supply		V-Ph-Hz	380-415V, 3Ph, 50Hz			
Recommended Fuse Size		A	63	63	80	80
Cooling	Capacity	kW	73	78.5	85	90
	Capacity	kW	81.5	87.5	95	100
Seasonal Efficiency	SEER*	W/W	5.69	6.02	5.93	5.78
	SCOP*	W/W	4.27	4.28	4.2	4.2
Connectable Range	Total capacity		50-130% of outdoor unit capacity			
	Connectable Indoors		43	46	50	53
Compressor	Type		DC inverter			
	Quantity		2	2	2	2
Fan motor	Type		DC Motor			
	Quantity		2	2	2	2
	Static pressure	Pa	0,20,40,60,80(Selectable)			
Refrigerant	Type		R410A			
	GWP		2088			
	Factory charging	kg	11.96	11.96	11.96	11.96
Pipe connections	Liquid pipe	mm(inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Gas pipe	mm(inch)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)	Ø34.9 (1 3/8)
Air flow rate		m <sup>3</sup> /h	29000	28000	28000	28000
Sound pressure level		dB(A)	68	68	68	68
Net Dimensions (WxHxD)		mm	1880×1760×825	1880×1760×825	1880×1760×825	1880×1760×825
Packing size (WxHxD)		mm	1935×1945×890	1935×1945×890	1935×1945×890	1935×1945×890
Net weight		kg	366	396	396	396
Gross weight		kg	396	426	426	426
Operating temperature range		°C	Cooling: -15-55, Heating: -30-30			

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.  
\* SEER / SCOP figures can vary depending on indoor to outdoor combinations.

**DATA IS SUBJECT TO CHANGE, SCAN THE QR CODE FOR MOST RECENT PRODUCT INFORMATION**