

Specifications

Model			MDV-V80W/DHN1(D)	MDV-V100W/DHN1(D)	MDV-V120W/DHN1(D)	MDV-V140W/DHN1(D)	MDV-V160W/DHN1(D)	MDV-V180W/DHN1(D)
Power supply		V-Ph-Hz	220-240/1/ 50(60)			220-240/1/ 50(60)		
Cooling ¹	Capacity	kBtu/h	27	34	41	47	52	59
		kW	8	10	12	14	15.5	17.5
	Input	kW	2	2.55	3.1	3.75	4.8	5.2
	EER	kW/ kW	4.00	3.92	3.87	3.73	3.23	3.37
Heating ²	Capacity	kBtu/h	30	41	47	54	61	66
		kW	9	12	14	16	18	19.5
	Input	kW	1.95	2.97	3.45	3.85	4.65	5
	COP	kW/ kW	4.62	4.04	4.06	4.16	3.87	3.90
Connectable	Total capacity		45~130% of outdoor unit capacity			45~130% of outdoor unit capacity		
indoor unit	Quantity		1~4	1~6	1~7	1~8	1~9	1~9
Sound pressure level ³		dB(A)	54	54	56	56	56	57
Net dimensions (W×H×D) ⁴		mm	910 x 712 x 426	950 x 840 x 440	950 x 840 x 440	950 x 840 x 440	950 x 840 x 440	1040 x 865 x 523
Packed dimensions (W×H×D)		mm	1045 x 810 x 485	1025 x950 x 510	1025 x950 x 510	1025 x950 x 510	1025 x950 x 510	1120 x 980 x 560
Net weight		kg	49	59.5	63	75	77.5	91
Gross weight		kg	53	66.5	70	82	84.5	99
Ambient Temp. operation range	Cooling	°C	-15~55			-15~55		
	Heating	°C	-15~27			-15~27		

Notes:
1. Cooling capacity is based on the following conditions: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB;
2. Heating capacity is based on the following conditions: Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB;
3. Sound values are measured in a semi-anechoic room, at a point 1m in front of the unit at a height of *m (1m for 80/100 models, 1.2m for 120/140/160 models).
4. Diameters given are those of the unit's stop valve.

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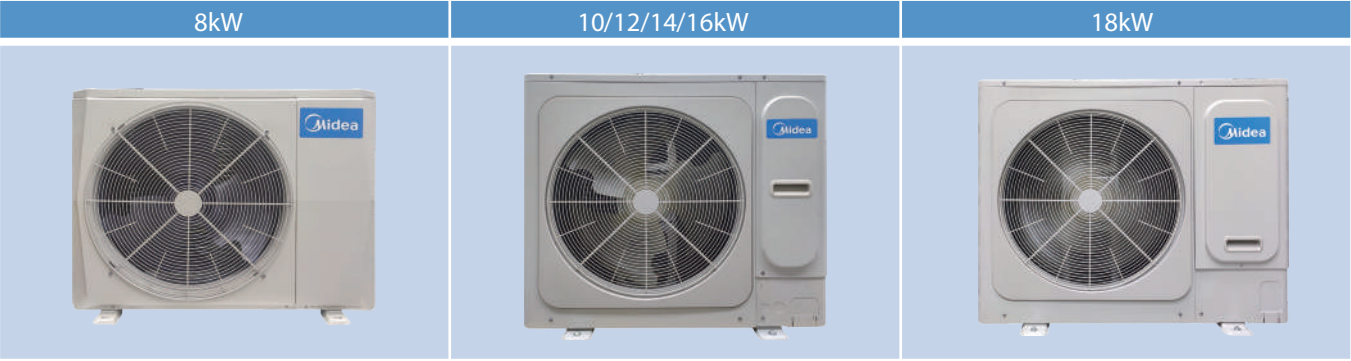
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Mini C 2 Series VRF

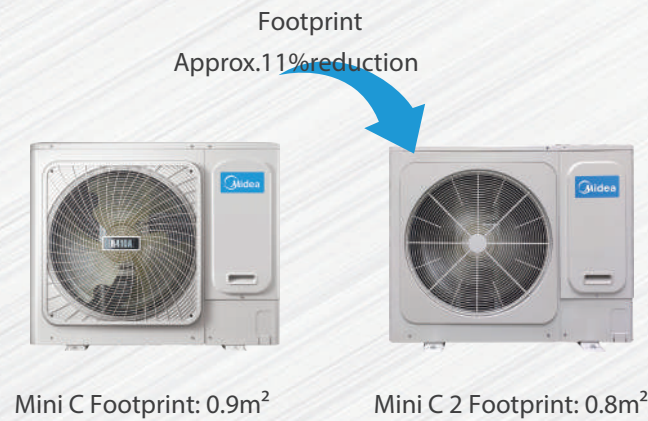


VRF Mini C 2 Series Lineup



Space Saving

Mini C 2 series is highly space saving, slim and compact designed outdoor units, this ensures flexible installation.



Flexible Indoor Units Connection

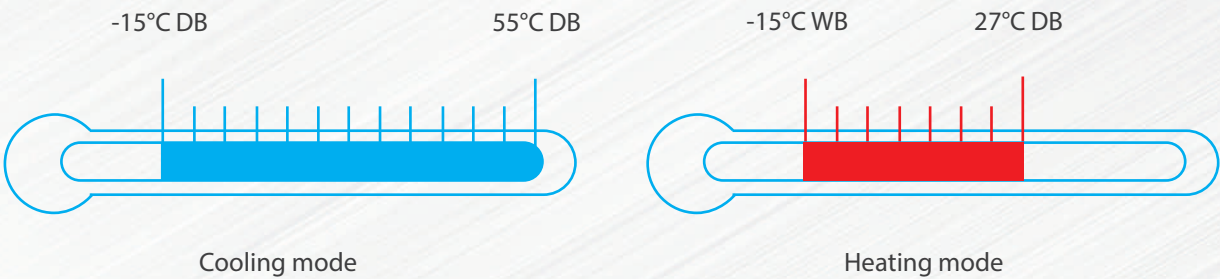
A single outdoor unit supports up to 9 indoor units, freeing up considerable space outside. Use your backyard more wisely with much more space available created by less number of outdoor units.

- Max. 4 indoor units for a 80 outdoor unit installation
- Max. 6 indoor units for a 100 outdoor unit installation
- Max. 7 indoor units for a 120 outdoor unit installation
- Max. 8 indoor units for a 140 outdoor unit installation
- Max. 9 indoor units for a 160 outdoor unit installation
- Max. 9 indoor units for a 180 outdoor unit installation



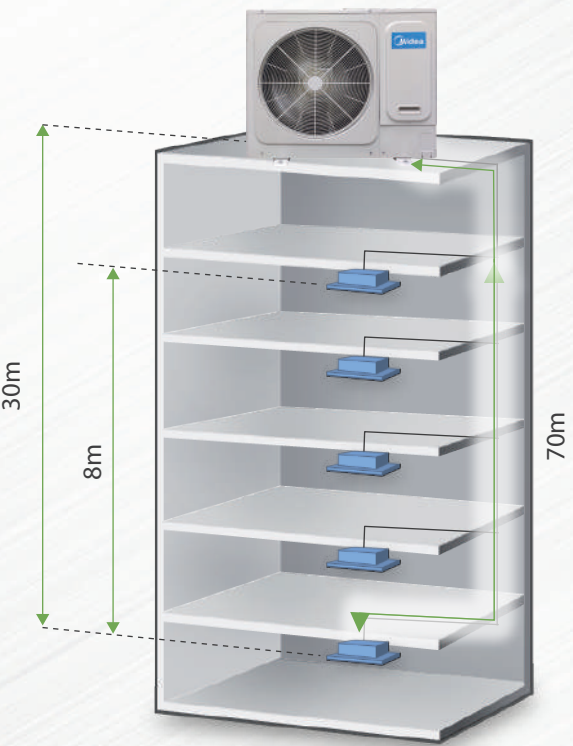
Wide Operation Range

It can operate cooling mode from -15°C to as high as 55°C and heating mode from -15°C to 27°C.



Long Piping Length

The Mini C 2 series Mini VRF provides a total piping length possibility of 130m, a maximum height difference between outdoor and indoor units of 30m. The height difference between indoor units can be up to 8m. These generous allowances facilitate an extensive array of system designs.



Total piping length			Permitted value
Pipe Length	Total PipeLength(Actual)		≤50m(80 model)
			≤65m(140/160 model)
			≤100m(140/160 model)
			≤130m(180 model)
	Maximum Piping	Actual Length	≤35m(80model)
			≤45m(100/120model)
			≤60m(140/160/180model)
		Equivalent Length	≤40m(80model)
			≤50m(100/120model)
≤70m(140/160/180model)			
Pipe Length(IDU to the nearest branch)		≤15m	
Level difference	Level difference between IDU~ODU	Outdoor Unit Up	≤10m (80 model)
			≤20m (100/120 model)
			≤30m (140/160/180 model)
		Outdoor Unit Down	≤10m (80 model)
			≤20m (100/120 model)
			≤20m (140/160/180 model)
	Level difference between IDU~IDU		≤ 8 m