

Mini C Series VRF

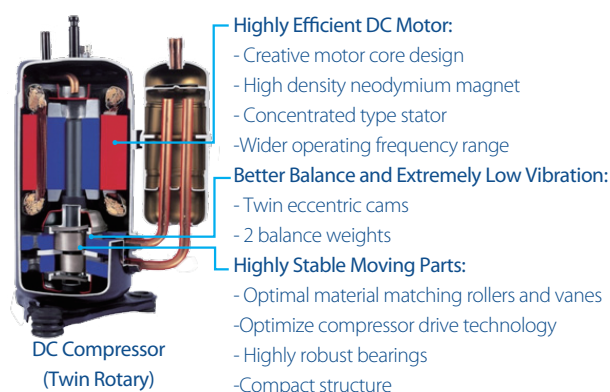


Features

- ❖ Compact design, saving space and simplifying installation, even 16kW unit has only one fan
- ❖ High efficiency by using DC inverter compressor and DC fan motor
- ❖ Smaller foot print by side air-discharge
- ❖ Wide operation range: cooling -5~55°C; heating: -15~27°C
- ❖ Connect up to 9 indoor units
- ❖ Advanced noise-reduction technology
- ❖ Intelligent defrosting technology
- ❖ Precise oil control technology
- ❖ Auto addressing

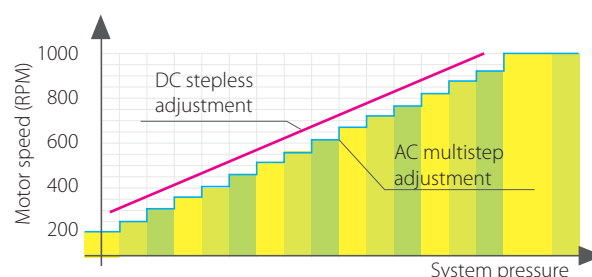
DC Inverter Compressor

DC inverter compressors make the output of the outdoor unit to be modulated by the cooling or heating demands of the zone that it controls. This advanced system ensures precise temperature regulation and highly efficient energy usage, making a significant contribution to the environment.



DC Fan Motor

According to the running load and pressure, the outdoor unit controls the speed of DC fan to achieve the minimum power consumption.



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



Mini C Series VRF



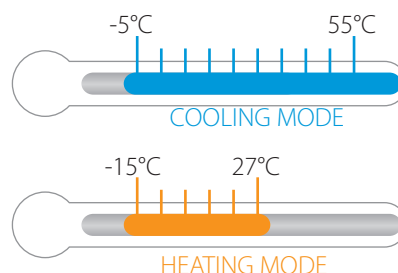
Refrigerant Cooling PCB

The Mini C series uses refrigerant cooling technology to cool the electric control box. It decreases the average temperature of electrical control components by about 8 degrees, guaranteeing the stable and safe running of the control system even at 55°C.



Wide Operation Range

It can operate cooling mode from -5°C to as high as 55°C and heating mode from -15°C to 27°C.



Auto Addressing

Outdoor unit can distribute addresses for indoor unit automatically. Wireless and wired controllers can query and modify each indoor unit's address.



Specifications

Model name	MDV-V80W/DN1(C)	MDV-V100W/DN1(C)	MDV-V120W/DN1(C)	MDV-V140W/DN1(C)	MDV-V160W/DN1(C)
Cooling capacity (kW)	7.2 (1.5-8.0)	9.0 (2.0-10.0)	12.2	14.0	15.5
Cooling Power input (kW)	2.18	2.64	4.32	4.56	5.35
EER (kW/kW)	3.30	3.41	2.83	3.07	2.90
Heating capacity (kW)	7.2 (1.6-9.0)	9.0 (2.1-12.0)	14.0	16.0	18.0
Heating Power input (kW)	1.82	2.12	3.17	4.08	5.71
COP (kW/kW)	3.95	4.29	4.40	3.92	3.20
Power supply	220-240V~50Hz				
Sound pressure level dB(A)	54	54	56	56	56
Dimension (WxDxH) (mm)	910x345x712	950x360x840	950x360x840	1040x410x865	1040x410x865
Weight (kg)	55	72.5	84	91.4	95.4
Gas pipe (mm)	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.1
Liquid pipe (mm)	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
Connectable indoor units	4	6	7	8	9

Notes:

Cooling capacity is based on the following conditions: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB;

Heating capacity is based on the following conditions: Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB;

Piping length: Interconnecting piping length is 7.5m and level difference is zero.

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).

Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.

Distributed By



Brisbane: 07 3890 8977

Perth: 08 9242 8400