

Cooling Only VC-i Series VRF



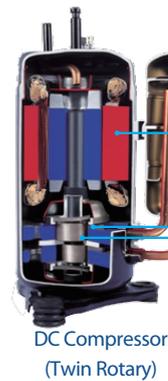
22.4/26.0/28.0kW

Features

- ❖ Cooling only, specially designed for hot area
- ❖ High efficiency DC inverter compressor
- ❖ Wide operating range: from -5°C to 55°C in cooling mode
- ❖ Refrigerant cooling PCB, guaranteeing reliable operation at high temperature
- ❖ Smaller foot print by side air-discharge
- ❖ Connect up to 16 indoor units
- ❖ 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.



- Highly Efficient DC Motor:**
 - Creative motor core design
 - High density neodymium magnet
 - Concentrated type stator
 - Wider operating frequency range
- Better Balance and Extremely Low Vibration:**
 - Twin eccentric cams
 - 2 balance weights
- Highly Stable Moving Parts:**
 - Optimal material matching rollers and vanes
 - Optimize compressor drive technology
 - Highly robust bearings
 - Compact structure

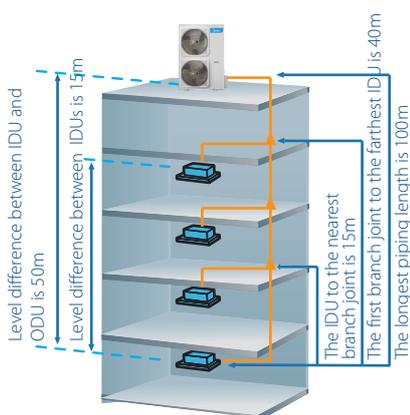
Flexible Indoor Units Connection

A single outdoor unit supports up to 16 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. 11 indoor units for a 22.4kW outdoor unit installation
- Max. 12 indoor units for a 26kW outdoor unit installation
- Max. 16 indoor units for a 28kW outdoor unit installation



Flexible Piping Design



It provides a total piping length possibility of 120m, a maximum height difference between outdoor and indoor units of 50m. The height difference between indoor units can be up to 15m.

- Total piping length: 120m
- Longest length - actual (equivalent): 100m (110m)
- Longest length after first branch: 40m
- Longest length after nearest branch: 15m
- Largest height difference between indoor and outdoor units - ODU up (down): 50m (40m)
- Largest height difference between indoor units: 15m

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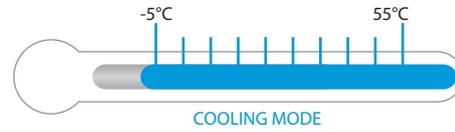
Refrigerant Cooling PCB

The Cooling only VC-i Series VRF 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**.



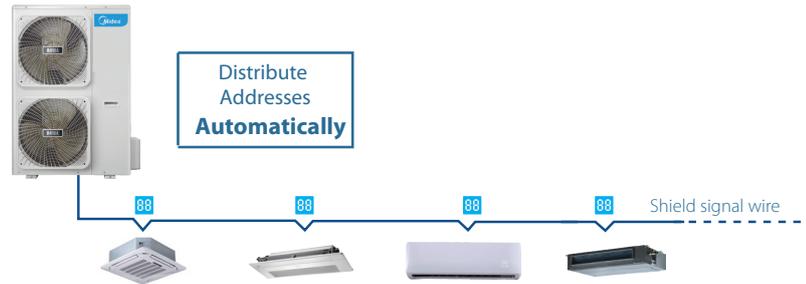
Wide Operation Range

The Cooling only VC-i Series VRF can operate cooling mode from -5°C to as high as 55°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	MDVC-V224W/DRN1	MDVC-V260W/DRN1	MDVC-V280W/DRN1
Power supply	380-415V~3N~50Hz	380-415V~3N~50Hz	380-415V~3N~50Hz
Cooling capacity (kW)	22.4	26.0	28.0
Airflow (m ³ /h)	7150	7150	7150
Sound pressure level (dB(A))	57	58	59
Total capacity of connectable indoor units (%)	50-130	50-130	50-130
Max. quantity of connectable indoor units	11	12	16
Dimensions (WXHXD) (mm)	900X1327X368	900X1327X368	900X1327X368
Net weight (kg)	115	115	115
Gas pipe (mm)	Φ19.1	Φ22.2	Φ22.2
Liquid pipe (mm)	Φ9.53	Φ9.53	Φ9.53
Operating temperature range (°C)	-5~55	-5~55	-5~55

Model name	MDVC-V224W/DCN1	MDVC-V260W/DCN1	MDVC-V280W/DCN1
Power supply	380-415V~3N~60Hz	380-415V~3N~60Hz	380-415V~3N~60Hz
Cooling capacity (kW)	22.4	26.0	28.0
Airflow (m ³ /h)	7500	7500	7500
Sound pressure level (dB(A))	58	59	60
Total capacity of connectable indoor units (%)	50-130	50-130	50-130
Max. quantity of connectable indoor units	11	12	16
Dimensions (WXHXD) (mm)	900X1327X368	900X1327X368	900X1327X368
Net weight (kg)	115	115	115
Gas pipe (mm)	Φ19.1	Φ22.2	Φ22.2
Liquid pipe (mm)	Φ9.53	Φ9.53	Φ9.53
Operating temperature range (°C)	-5~55	-5~55	-5~55

Notes:

Cooling capacities is based on the following conditions: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB, with interconnecting piping length 7.5m and level difference of zero.

Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1m above the floor.

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