

OMEGA VRF TECHNOLOGY

INVERTER
TECHNOLOGY
EXPERT

Engineered to elevate efficiency and comfort
..... to the next level!

VNMF SERIES MINI VRF Outdoor Unit Inverter Heat Pump

Cooling Capacity Min~Max Single Module: 13,650~59,835 Btuh (4.0~17.5 kW)

Heating Capacity Min~Max Single Module: 15,355~69,185 Btuh (4.5~20.3 kW)

Product Features

- ✓ Full DC Inverter Technologies.
- ✓ Up to 8 Indoor Units Can be Connected.
- ✓ Intelligent Temperature Control Technology.
- ✓ Non-polarity communication wiring.
- ✓ Refrigerant-cooled IPM module.
- ✓ Factory-Tested up to 55°C/131°F Ambient.
- ✓ Ultra Long Piping Runs Up to 390 ft.
- ✓ Automatic Address Setting .
- ✓ Small Installation Space.

Outdoor Unit Features

- ✓ Low-Noise Design with DC Fan Motor.
- ✓ Advance Torque Control Technology.
- ✓ Sensorless DC Inverter Fan Motor.
- ✓ High Efficiency Digital PFC Control.
- ✓ Wider Operation Condition Range.
- ✓ Compressor Oil Storage Technology.
- ✓ Four-direction piping connection.
- ✓ Automatic Fault Detection.



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DC INVERTER

ISO 14001 ISO 9001

OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

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MINI VRF Outdoor Unit

MODEL NO.	VNMF	002Q0A -G04V080	253Q0A -G05V100	003Q0A -G06V125	004Q0A -G07V140	345Q0A -G08V160
System Cooling with Indoor Unit Ratio @ 100% Btuh (kW)						
System Heating with Indoor Unit Ratio @ 100% Btuh (kW)						
EER @ 100% IDU						
COP @ 100% IDU						
System Cooling with Indoor Unit Ratio @ 50% Btuh (kW)						
System Cooling with Indoor Unit Ratio @ 70% Btuh (kW)						
System Cooling with Indoor Unit Ratio @ 130% Btuh (kW)						
Maximum of Indoor Unit Connectable per Module						
Coil Type						
DC Fan Motor						
Electrical						
Refrigerant Charge R410A (oz / kgs)						
Refrigerant Connections						
Farthest Indoor Pipe Length						
Maximum Total Pipe Length						
Height Difference between IDU & ODU ft (m)						
Dimensions						
Net Weight Lbs (kgs)						

Applicable Indoor Units



- Notes:**
- Nominal capacities are based on ARI standards 210/240-89, air entering the indoor coil operating at high fan speed for 220V-240V setting. Cooling: 80/67° F (27/19° C) DB/WB indoor & 95° F (35° C) outdoor ambient temperature.
 - Refrigerant metering device is installed at the indoor unit as standard.
 - Flare fittings are provided for connecting indoor and outdoor units.

- Insulation of both liquid and suction line is required (Heat Pump Model).
- ODU's installed above IDU's 98 ft (30m) & ODU's installed below IDU's 66 ft (20m).
- Refer to individual indoor unit spec sheets for details.
- For details of model number nomenclature, please refer to publication OMGNM-1019.

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