

MVHP048MV2AA

MRV-S Series Heat Pump
4 Tons



Job Name: _____
 Location: _____
 Date: _____
 Tag: _____

Reference Approval Construction

Specifications

Performance¹

Cooling Capacity	48,000 Btu/h
Heating Capacity	54,000 Btu/h
EER (ducted/non-ducted)	10.0/10.0
SEER (ducted/non-ducted)	16.0/16.0
HSPF (ducted/non-ducted)	9.5/10.0

Technical Details

Compressor Type	DC Inverter x 1
Compressor RLA	40 A
Condenser Fan Qty	2
Condenser Fan Type	Propeller
Condenser Fan CFM	4,237
Factory Refrigerant Charge	8.81 lb.

Electrical

Voltage (V / Ø / Hz)	208-230 / 1 / 60
Minimum Circuit Ampacity (MCA)	37.8 A
Maximum Overcurrent Protection	40 A

Sound Levels

Sound Pressure Level, dB(A)	54
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Dimensions

Height (in.)	52 3/4
Width (in.)	37 3/8
Depth (in.)	14 5/8
Weight (lb.)	254

Piping

Connections, Liquid/Gas	3/8" x 5/8"
Total System length	492 ft.
ODU to furthest IDU	230 ft.
ODU above IDU	66 ft.
ODU below IDU	98 ft.

Features and Benefits

- High efficiency, twin rotary inverter compressor
- DC fan motor with 21" serrated-edge fan blade allows higher air movement at lower sound levels
- Wide range of operation from -4°F (-20°C) to 115°F (46°C)
- SEER performance up to 16.0
- HSPF performance up to 10.0
- Large coil and 2-stage sub cooling circuit increase heating and cooling performance
- Air cooled electrical box helps increase performance and reliability
- PID pressure control sensor enables more precise temperature control
- Night silent mode for quiet operation
- "888" test panel simplifies troubleshooting

Notes

1. Cooling and heating capacities are based on the following temperatures:
 Cooling Indoor: 80°F DB, 67°F WB
 Cooling Outdoor: 95°F DB
 Heating Indoor: 70°F DB
 Heating Outdoor: 47°F WB, 43°F WB
2. Refer to warranty documentation for complete warranty details.
3. Refer to installation manual for complete installation requirements.

MRV5
DC INVERTER

MRV-S
SERIES



Dimensional Drawings

MVHP48MV2AA

Unit: inch (mm)

