

VRF R454B ATOM X Outdoor Unit

MDV-V48WMN10T– Heat Pump

208/230V,1Ph,60Hz



Submittal Data

Job name: _____

Location: _____

Tag: _____

Date: _____



MDV-V48WMN10T:

- ♦ High efficiency twin rotary compressor
- ♦ Two-pipe heat pump
- ♦ Wide operation range: cooling 5 °F to 125 °F ; heating -22°F to 86°F
- ♦ Refrigerant auto-charge
- ♦ Arbitrary connection of communication wire
- ♦ Eligible for Energy Star rebate programs

Specifications:

PERFORMANCE		
Cooling Capacity ¹	Btu/h	48000
EER2 ¹	Btu/W	11.7
SEER2 ¹	Btu/W	20.0
Heating Capacity ²	Btu/h	50000
COP2 ²	W/W	3.9
HSPF IV ²	BtuW	10.1
HSPF V ²	BtuW	7.0
Heating Capacity ³	Btu/h	40000
COP ³	W/W	2.0
ELECTRICAL DATA		
Power Supply	V/Ph/Hz	208-230/1/60
Minimum Circuit Ampacity	A	28
Compressor		Twin Rotor
Maximum Overcurrent Protection (A)	A	40
Compressor RLA (A)	A	19.0
No. of Compressors		1
Outdoor Fan Power Output	W	123×2
Outdoor Fan FLA	A	1.1×2
GENERAL DATA		
Connection Ratio	%	50-130
Maximum IDU quantity		7
Sound Pressure Level ⁴	dBA	60
Outdoor Fan Total Air Volume	cfm	4126
Refrigerant type		R-454B
Factory refrigerant charge	lbs	9.04

Table continued on next page ...

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

Specifications (continued):

DIMENSIONS		
Unit Dimensions (W×H×D)	inch	38-1/2×52-1/4×15-3/4
Net weight/ Gross weight	lbs	227/249
Liquid/Gas pipe	inch	φ3/8/φ3/4

Notes:

1. 95°F wet bulb/75°F dry bulb outdoor air temperature and 80°F dry bulb/67°F wet bulb entering indoor coil air, connected Cassette ;
2. 47°F dry bulb/43°F wet bulb outdoor air temperature and 70°F dry bulb/60°F wet bulb entering indoor coil air, connected Cassette;
3. 5°F dry bulb/3°F wet bulb outdoor air temperature and 70°F dry bulb/60°F wet bulb entering indoor coil air, connected Cassette;
4. Sound pressure level is measured 1m in front of the unit and 1m above the floor in a semi-anechoic chamber at cooling mode.

Dimensional Drawing:

Unit (in.)

