

VRF R454B ATOM X Outdoor Unit

MDV-V18WMN10T– Heat Pump

208/230V,1Ph,60Hz



Submittal Data

Job name: _____

Location: _____

Tag: _____

Date: _____



MDV-V18WMN10T:

- ♦ 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	18200
EER2 ¹	Btu/W	12.0
SEER2 ¹	Btu/W	17.5
Heating Capacity ²	Btu/h	20000
COP2 ²	W/W	4.2
HSPF IV ²	BtuW	10.0
HSPF V ²	BtuW	7.4
Heating Capacity ³	Btu/h	18000
COP ³	W/W	1.8
ELECTRICAL DATA		
Power Supply	V/Ph/Hz	208-230/1/60
Minimum Circuit Ampacity	A	15
Compressor		Twin Rotor
Maximum Overcurrent Protection (A)	A	25
Compressor RLA (A)	A	10.8
No. of Compressors		1
Outdoor Fan Power Output	W	176
Outdoor Fan FLA	A	1.5
GENERAL DATA		
Connection Ratio	%	65-130
Maximum IDU quantity		3
Sound Pressure Level ⁴	dBA	55
Outdoor Fan Total Air Volume	cfm	2315
Refrigerant type		R-454B
Factory refrigerant charge	lbs	3.64

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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	39-1/8 × 28 × 16-3/4
Net weight/ Gross weight	lbs	121/147
Liquid/Gas pipe	inch	φ3/8/φ5/8

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.)

