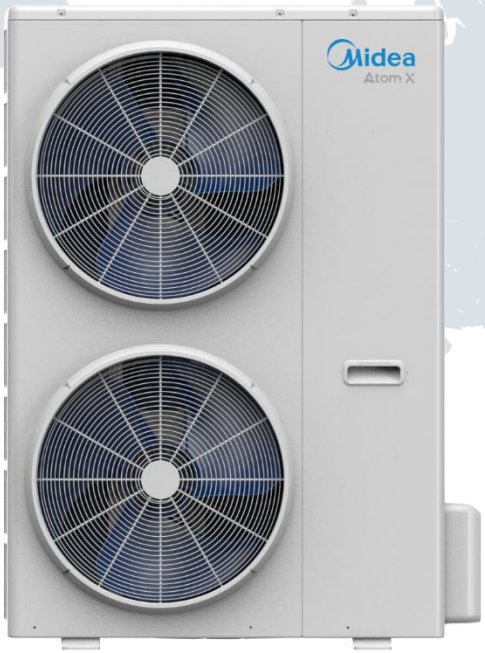


Mini VRF Heat Pump
R454B ATOM X Series

208/230V, 1Ph, 60Hz
Model: MDV-V48WMN10T

Midea Building Technologies Division
Midea Group

Address: Midea Headquarters Building, 6 Midea Avenue, Shunde, Foshan, Guangdong, China
Postal code: 528311
hvac.midea.com /www.midea-group.com / ics.midea.com

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

Unit Performance and Data:

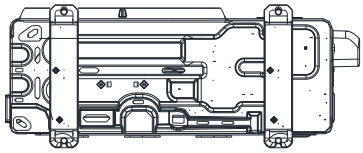
Model			MDV-V48WMN10T
Performance (Ducted/Non-Ducted)			
Cooling[1]	Capacity	Btu/h	47000/48000
	Power Input	W	4017/4103
Heating[2]	Capacity	Btu/h	50000/50000
	Power Input	W	4187/3757
AHRI Ratings (Ducted/Non-Ducted)			
EER2[1]		Btu/h/W	11.7/11.7
SEER2[1]		Btu/h/W	17.6/20
COP2[1]		W/W	3.5/3.9
HSPF2 (Region IV)[2]		Btu/h/W	10/10.1
HSPF2 (Region V)[2]		Btu/h/W	7/7
Electrical Data			
Power supply		V/Ph/Hz	208/230/1/60
MOP		A	40
MCA		A	28
Fan			
Type × Quantity			Propeller × 2
Air Flow Volume		CFM	4126
Fan Motor Running Current		A	1.1 × 2
Fan Motor Output		W	123 × 2
Compressor			
Type × Quantity			DC inverter × 1
Compressor Rated Load Amps (RLA)		A	19.0
Compressor Refrigerant Oil Type			VG75R
Compressor Refrigerant Oil Charge Volume		L	1.55
Refrigerant Piping			
Connection Pipe	Liquid pipe	in. (mm)	ϕ3/8 (9.52)
	Gas pipe	in. (mm)	ϕ3/4 (19.1)
Max. Equivalent Pipe Length (ODU to IDU)		ft (mm)	328 (100)
Factory Refrigerant Charge		lbs (kg)	9.04 (4.1)
Refrigerant Type			R454B
Dimension/Weight			
Unit Dimensions (W×H×D)		inch (mm)	38-1/2×52-1/4×15-3/4 (978×1327×400)
Packed Dimensions (W×H×D)		inch (mm)	42-19/32×58-15/32×17-1/8 (1082×1485×435)
Net Weight		lbs (kg)	238 (108)
Gross Weight		lbs (kg)	273 (124)
Other			
Indoor Units	Connection Ratio	%	50~130
	Maximum IDU quantity		7
Sound Pressure Level [3](Cooling/Heating)		dBA	60/62
Ambient temp. operation range	Cooling	°F	5 to 125
	Heating	°F	-22 to 86
Safety Certification			ETL/AHRI
Protection Devices	High Pressure		High pressure switch, High pressure sensor
	Low Pressure		Low pressure sensor
	Compressor		Discharge temp. protection, Over-current protection

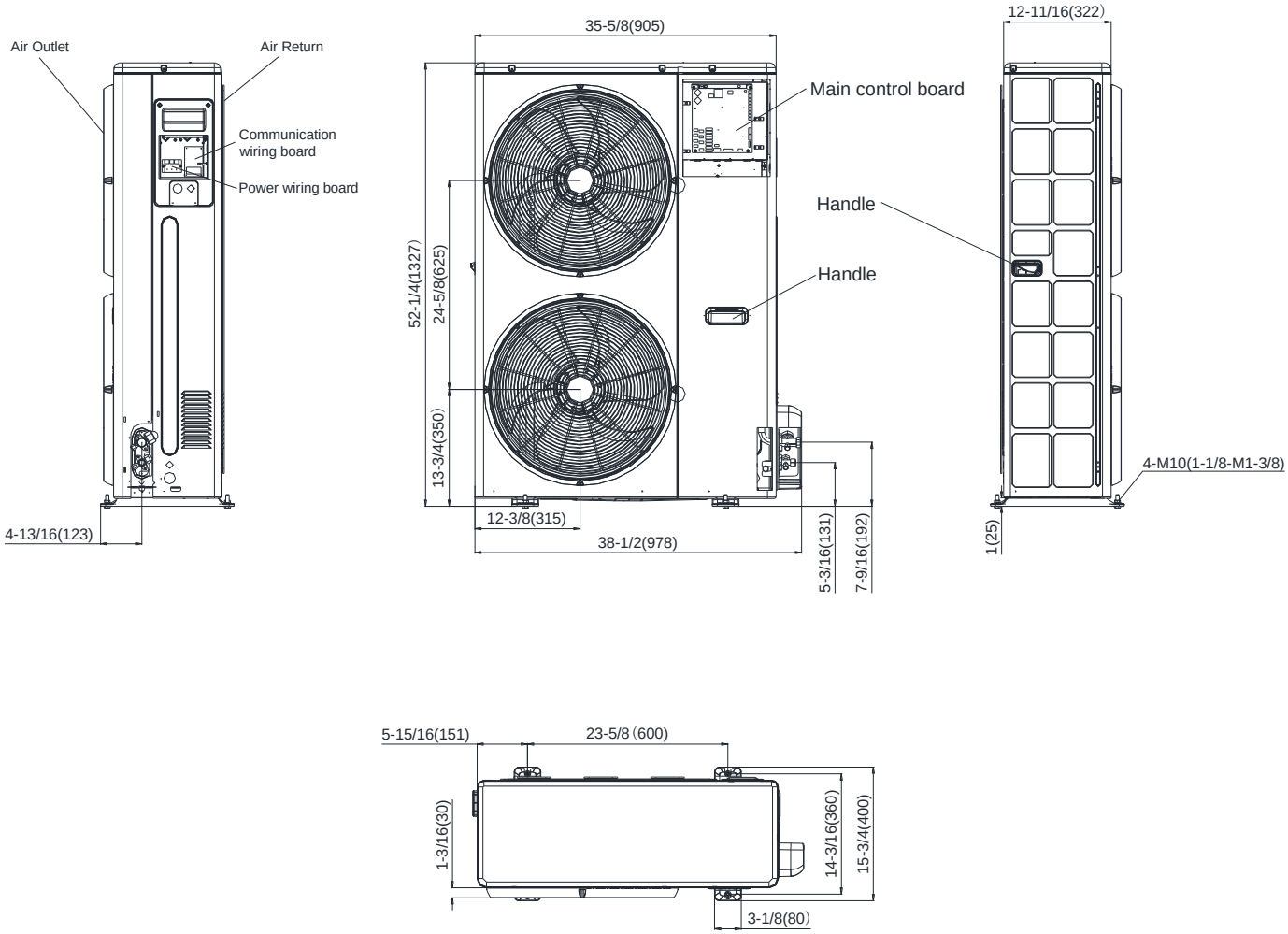
Notes:
1. 95°F dry bulb/75°F wet bulb outdoor air temperature and 80°F dry bulb/67°F wet bulb entering indoor coil air;
2. 47°F dry bulb/43°F wet bulb outdoor air temperature and 70°F dry bulb/60°F wet bulb entering indoor coil air;
3. Sound pressure level is measured 1m in front of the unit and 1m above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

Features:

- 4-ton unit, wide operating range.
- Low GWP R454B refrigerant.
- DC inverter compressor for optimal efficiency.
- Arbitrary topology communication, and communication distance up 6562ft
- Automatic refrigerant charging
- Optional R454B refrigerant shut-off device
- Long piping capability.

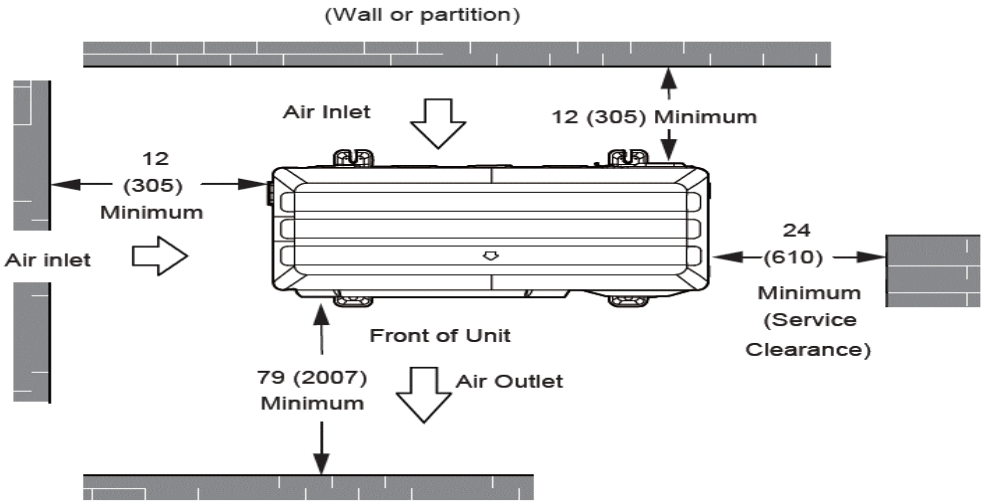
Dimensions (unit: in (mm))





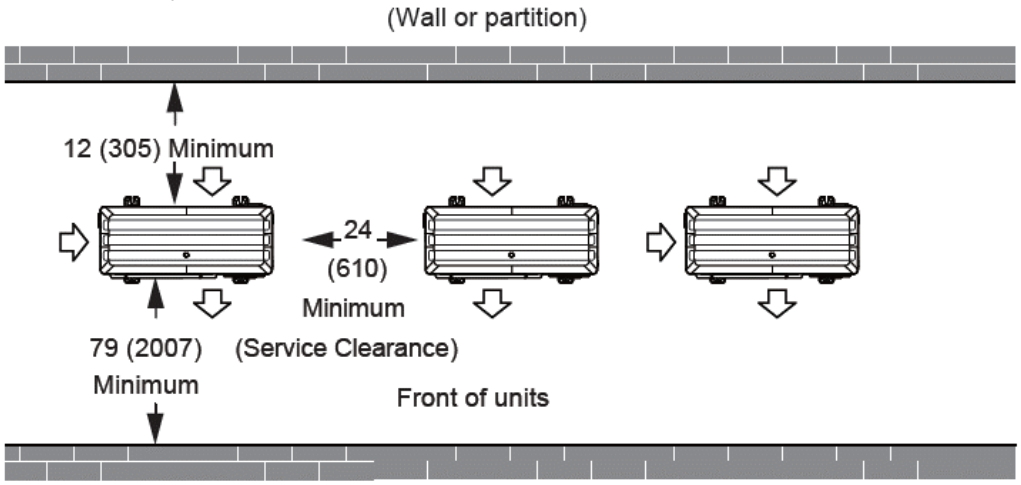
Installation Space Requirements (unit: in (mm))

Single unit installation



Note: 24 in (610 mm) clearance required on top of unit.

Multiple unit installation top view



Multiple unit installation side view

