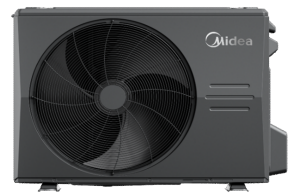
R454b
Refrigerant

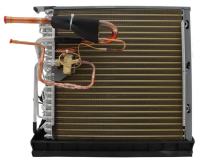
SUBMITTAL DATA SHEET

Series Name: EVOX Dual-Fuel System (Uncased Coil) Advanced Heat Series
Model Number: MAAHE-H24B-AA-UC/MO1BE-H18B-2A

Midea

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:





INDOOR SPECIFICATION		
Dimension (W×D×H)	inch	13 x 22-5/8 x 16-1/2
	mm	332 x 575 x 420
Package (W×D×H)	inch	16-1/8 x 26-1/8 x 22
	mm	410 x 665 x 560
Net/Gross Weight	lbs	17.2 / 32.8
	kg	7.8 / 14.9

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KSN140D58UFZ
Refrigerant		R454B
Refrigerant Oil Charge(mL)		440
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1,451
Outdoor Noise Level (dBA)		56
Dimension (W×D×H)	inch	31-3/4 x 13 x 21-3/4
	mm	805 ×330 ×554
Package (W×D×H)	inch	36 x 14-9/16 x 24-3/16
	mm	915×370×615
Net/Gross Weight	lbs	77 /84
	kg	35 / 38

EFFICIENCY			
Cooling		Heating	
SEER2	16.0	HSPF2-4	8.6
EER2	10.2	COP	3.15

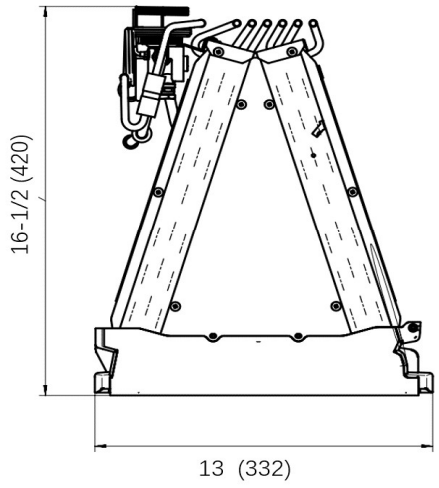
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	18,000
Min/Max Capacity	5,800 ~ 21,600
Moisture Removal(L/h)	2.35
Standard Operating Range(°F/°C)	-13~122 (-25 ~ 50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

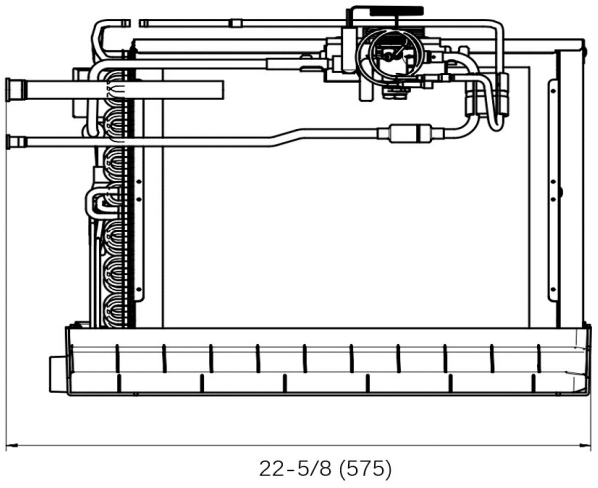
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	19,000
1. @ 47°F Min/Max Capacity	5,200 ~ 22,000
2. @ 17°F Rated	13400
3. @ 5°F Rated: Capacity / COP	10,800/1.8
3. @ 5°F Max: Capacity	10,800
Standard Operating Range(°F/°C)	-13~75 (-25 ~ 24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor	Indoor: 70°F DB/60°F WB
Operating at Max. Frequency	Outdoor: 5°F DB/5°F WB

ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	16.0
Outdoor MOP	20.0
Communication Wiring	AWG 20/2
Compressor RLA	10
Outdoor Fan Motor RLA	0.8
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1,760 (500 ~ 2,000)
System Power Input @ Heating (W)	1,760 (300 ~ 1,800)
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

PIPING	
Throttle type(Indoor)	TXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	98 (30)
Max. Height Difference(ft/m)	66 (20)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	51 (1.45)
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.7 (65)
Connection Method	Flared

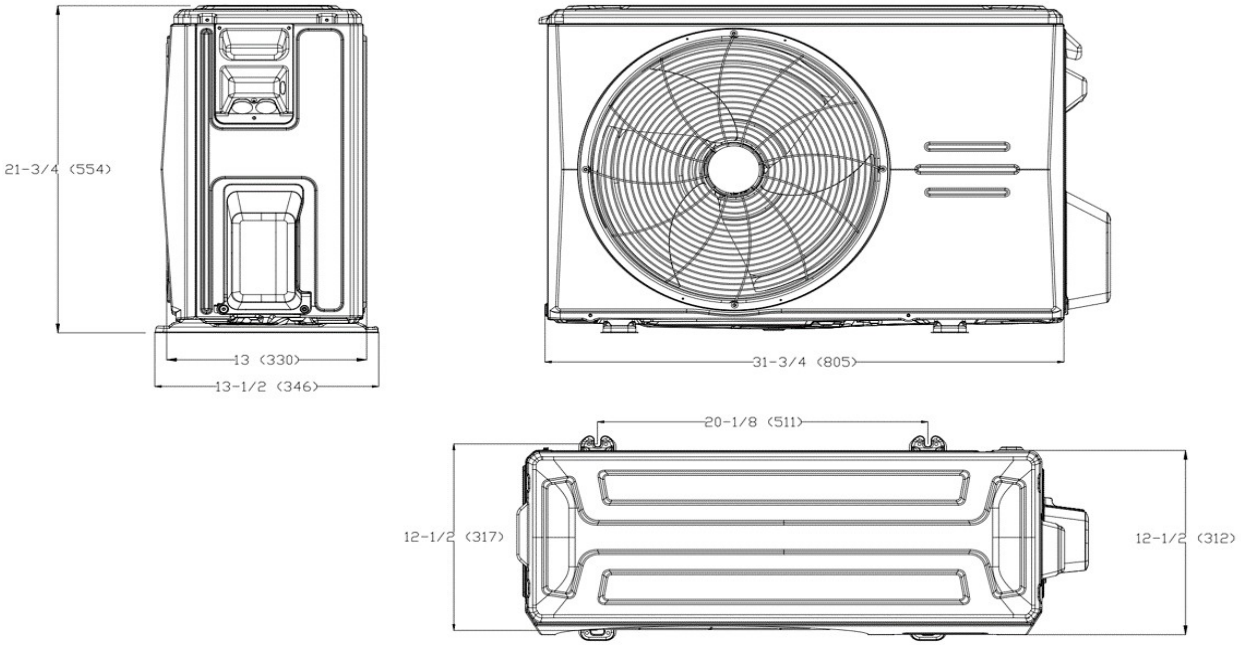
Indoor Unit Dimension



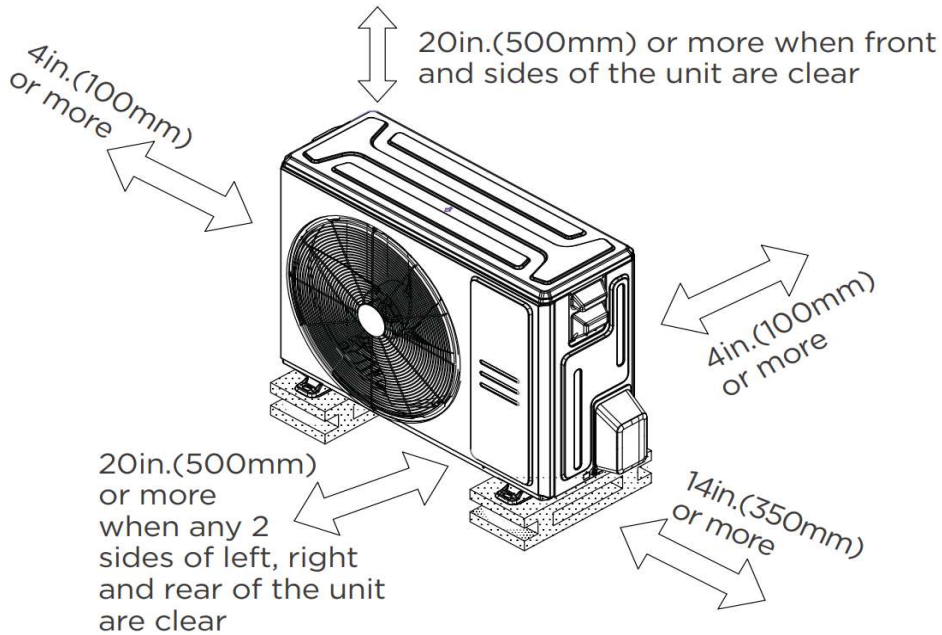


Outdoor Unit Dimension

Unit:inch(mm)



Installation Instruction For Outdoor Unit



Features

- Aluminum Coil
- Easy Maintenance
- Multiple control options available:
  - Wireless remote controller RG10
  - Two-way communication programmable wired controller with built-in Wi-Fi:120N(X6W) (Built-In)
  - Midea Smart Thermostat: MTL04-1
  - Third-Party 24V Thermostat
- Adaptive Control System
- Standard graphene fins, a standard feature of the outdoor unit, deliver superior corrosion resistance
- The outdoor unit comes standard with chassis and crankshaft electric heating
- Built-in Refrigerant Detection Sensor