R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: EVOX Dual-Fuel System (Uncased Coil) Extreme Heat Series
Model Number: MAAHE-H60B-DA-UC/MO1HE-H48B-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	23-1/8 x 22-3/4 x 22-7/8
	mm	588 x 577 x 581
Package (W×D×H)	inch	26-1/8 x 26-1/8 x 29-3/4
	mm	665 x 665 x 755
Net/Gross Weight	lbs	37.2 / 59.9
	kg	16.9 / 27.2

OUTDOOR SPECIFICATION		
Compressor Type		TWIN-ROTARY
Compressor Model		MTH550UKPC8FU
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1800
Refrigerant Oil		HAF68D1C
Outdoor Air Flow (Max) (CFM)		3,037
Outdoor Noise Level (dBA)		65
Dimension (W×D×H)	inch	38-9/16 x 16-3/8 x 38-3/8
	mm	980 × 415 × 975
Package (W×D×H)	inch	45-1/16 x 19-11/16 x 42-1/2
	mm	1,145 × 500 × 1,080
Net/Gross Weight	lbs	201 / 232
	kg	91.2 / 105.4

EFFICIENCY			
Cooling		Heating	
SEER2	14.5	HSPF2-4	8.4
EER2	9.8	COP	3.20

ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	38.0
Outdoor MOP	40.0
Communication Wiring	AWG 20-2
Compressor RLA	28
Outdoor Fan Motor RLA	2
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	4590 (1,560 ~ 5,110)
System Power Input @ Heating (W)	4300 (780 ~ 5,180)
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

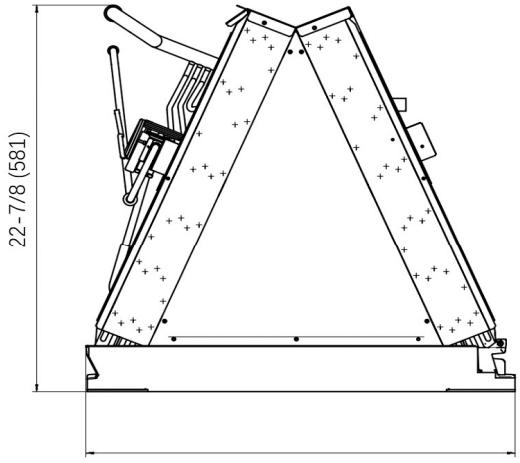
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	45000
Min/Max Capacity	15,100 ~ 47,000
Moisture Removal(L/h)	6.7
Standard Operating Range(°F/°C)	-22~122 (-30 ~ 50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

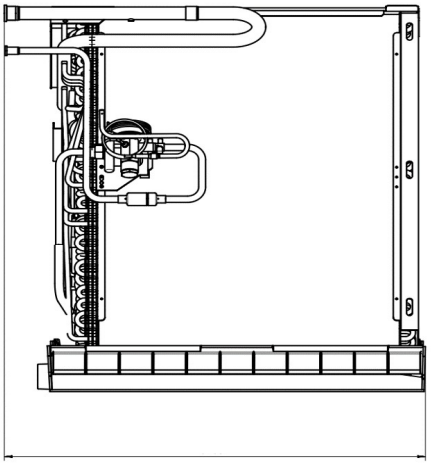
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	47000
2. @ 47°F Min/Max Capacity	12,500 ~ 53,000
3. @ 17°F Rated	34000
4. @ 5°F Rated: Capacity / COP	40000/1.8
5. @ 5°F Max: Capacity	40000
Standard Operating Range(°F/°C)	-22~75 (-30 ~ 24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	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 Operating at Max. Frequency	Indoor: 70°F DB/60°F WB
	Outdoor: 5°F DB/5°F WB

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)	246 (75)
Max. Height Difference(ft/m)	98.4 (30)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	134 (3.8)
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.7 (65)
Connection Method	Flared

Indoor Unit Dimension

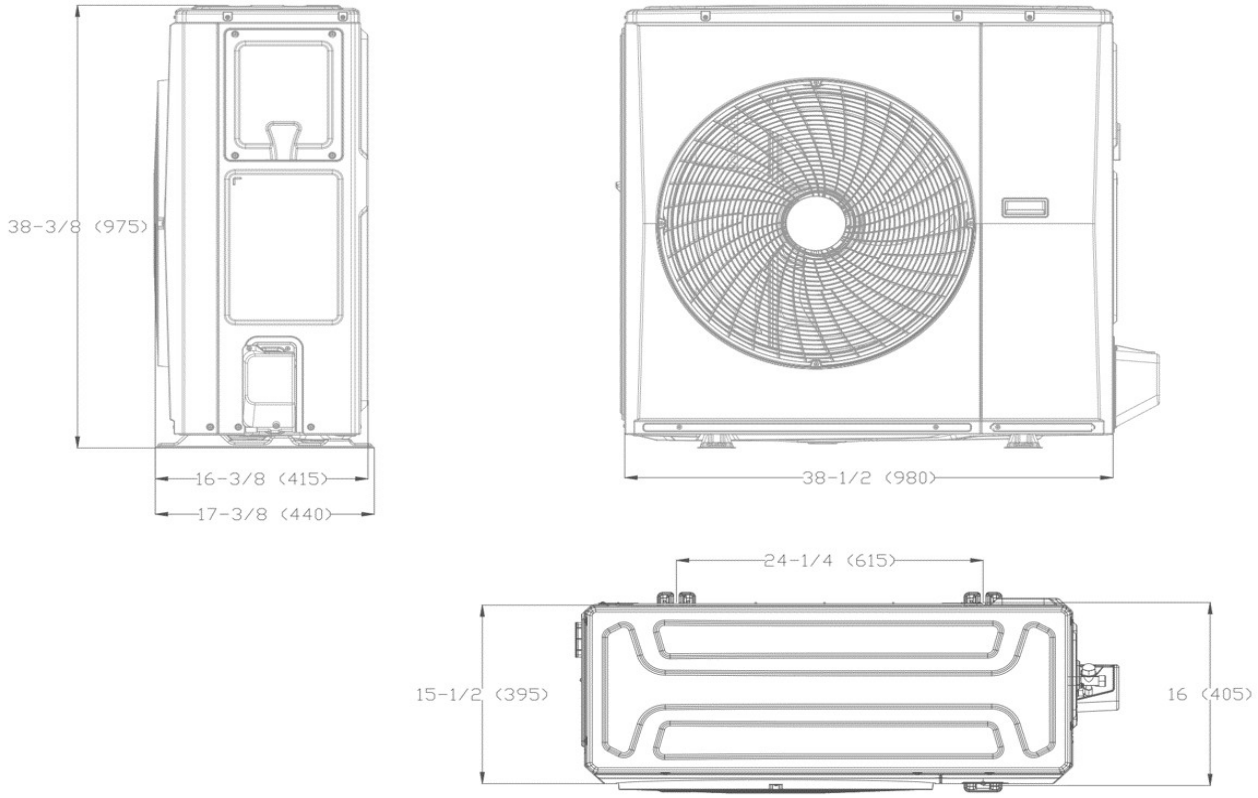
Unit:inch(mm)



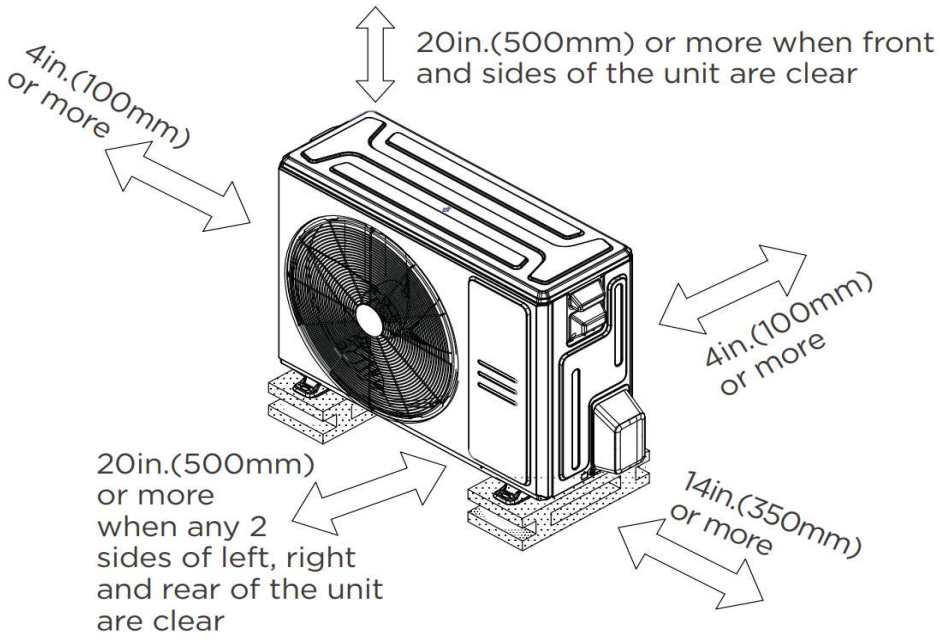


Outdoor Unit Dimension

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