R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: EVOX Dual-Fuel System (Uncased Coil) Extreme Heat Series
Model Number: MAAHE-H24B-BA-UC/MO1HE-H24B-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**	16-1/8 x 22-1/2 x 15-3/4
	mm	410 x 573 x 401
Package (W×D×H)	**inch**	19-1/8 x 26-1/8 x 21-1/2
	mm	485 x 665 x 545
Net/Gross Weight	**lbs**	17.9 / 34.6
	kg	8.1 / 15.7

OUTDOOR SPECIFICATION

Compressor Type		TWIN-ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge(mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1,766
Outdoor Noise Level (dBA)		60
Dimension (W×D×H)	**inch**	35 x 13-1/2 x 26-1/2
	mm	890 × 342 × 673
Package (W×D×H)	**inch**	39-1/8 x 15-5/8 x 29-1/8
	mm	995 × 398 × 740
Net/Gross Weight	**lbs**	102 / 109
	kg	46.4 / 49.5

EFFICIENCY

Cooling		Heating	
SEER2	16	**HSPF2-4**	9.5
EER2	10	**COP**	3.2

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	24,000
Min/Max Capacity	7,900 ~ 27,600
Moisture Removal(L/h)	2.89
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	25,000
2. @ 47°F Min/Max Capacity	6,800 ~ 30,000
3. @ 17°F Rated	19,700
4. @ 5°F Rated: Capacity / COP	21,000/1.8
5. @ 5°F Max: Capacity	21,000
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

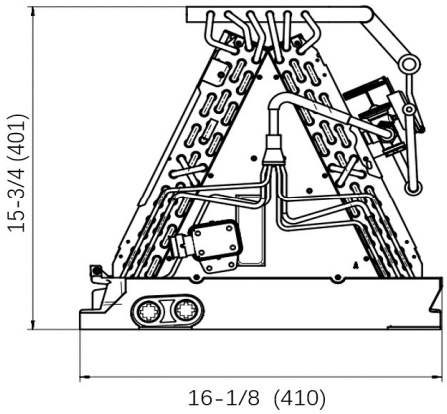
ELECTRICAL

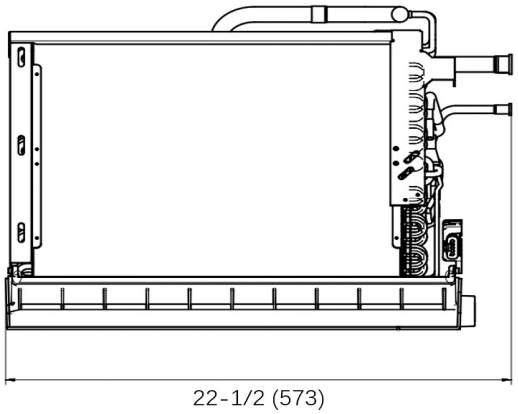
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	19.0
Outdoor MOP	20.0
Communication Wiring	AWG 20/2
Compressor RLA	14
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2,400 (680 ~ 2,890)
System Power Input @ Heating (W)	2,290 (600 ~ 2,900)
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)	164 (50)
Max. Height Difference(ft/m)	82 (25)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	74 (2.1)
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.7 (65)
Connection Method	Flared

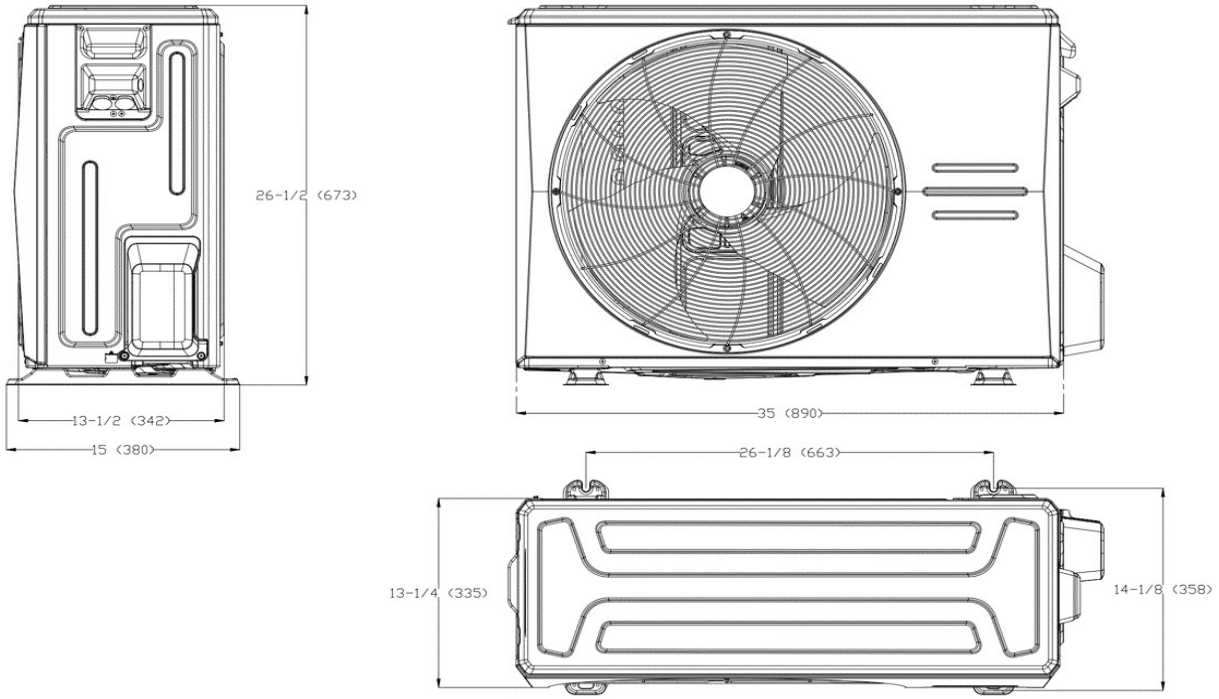
Indoor Unit Dimension



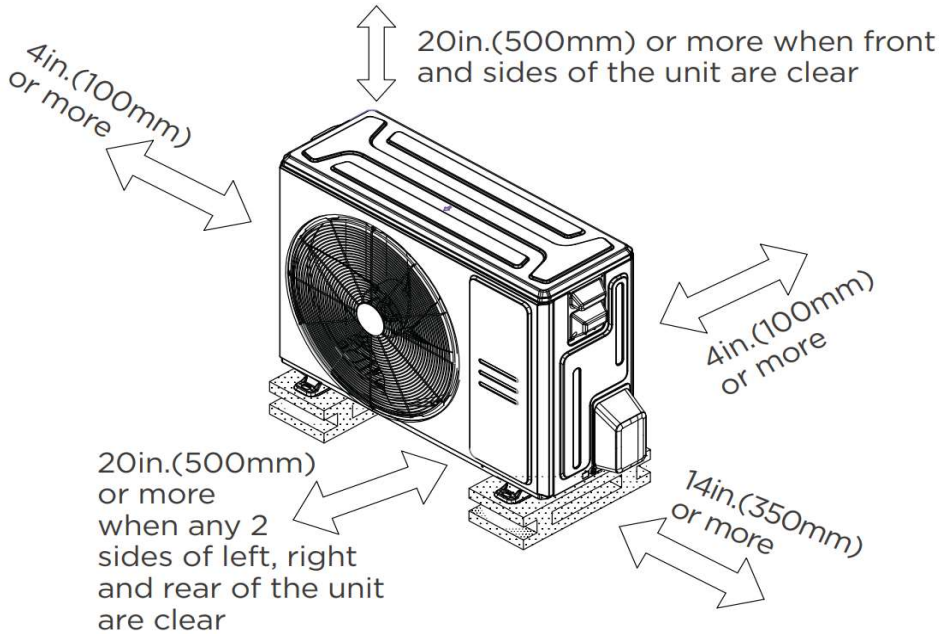


Outdoor Unit Dimension

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