R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: EVOX Multi-Position Air Handler Advanced Heat Series
Model Number: MAUHE-H24B-2A/MO1BE-H18B-2A

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



INDOOR SPECIFICATION		
ESP (in.W.C.)		0-0.8
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		618 / 577 / 530 / 488 / 488
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		44 / 43/ 41 / 33 / 33
Dimension (W×D×H)	inch	17-1/2 x 21 x 45
	mm	445 × 534 × 1,143
Package (W×D×H)	inch	26-5/8 x 20-7/8 x 48-5/8
	mm	675 × 530 × 1,235
Net/Gross Weight	lbs	106 /127
	kg	47.9 / 57.8

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
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	18.8	HSPF2-4	9.1
EER2	11.0	COP	3.16

ELECTRICAL	
Indoor Power Supply	115/208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	5.5/4.0
Indoor MOP	15.0
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	16.0
Outdoor MOP	20.0
Communication Wiring	AWG 20/2
Compressor RLA	10.0
Outdoor Fan Motor RLA	0.8
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	2.0
Indoor Fan Motor W	250
System Power Input @ Cooling (W)	1,640 (400 ~ 1,900)
System Power Input @ Heating (W)	1,670 (340 ~ 1,820)
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	18,000
Min/Max Capacity	5,350 ~ 20,000
Moisture Removal(L/h)	1.71
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

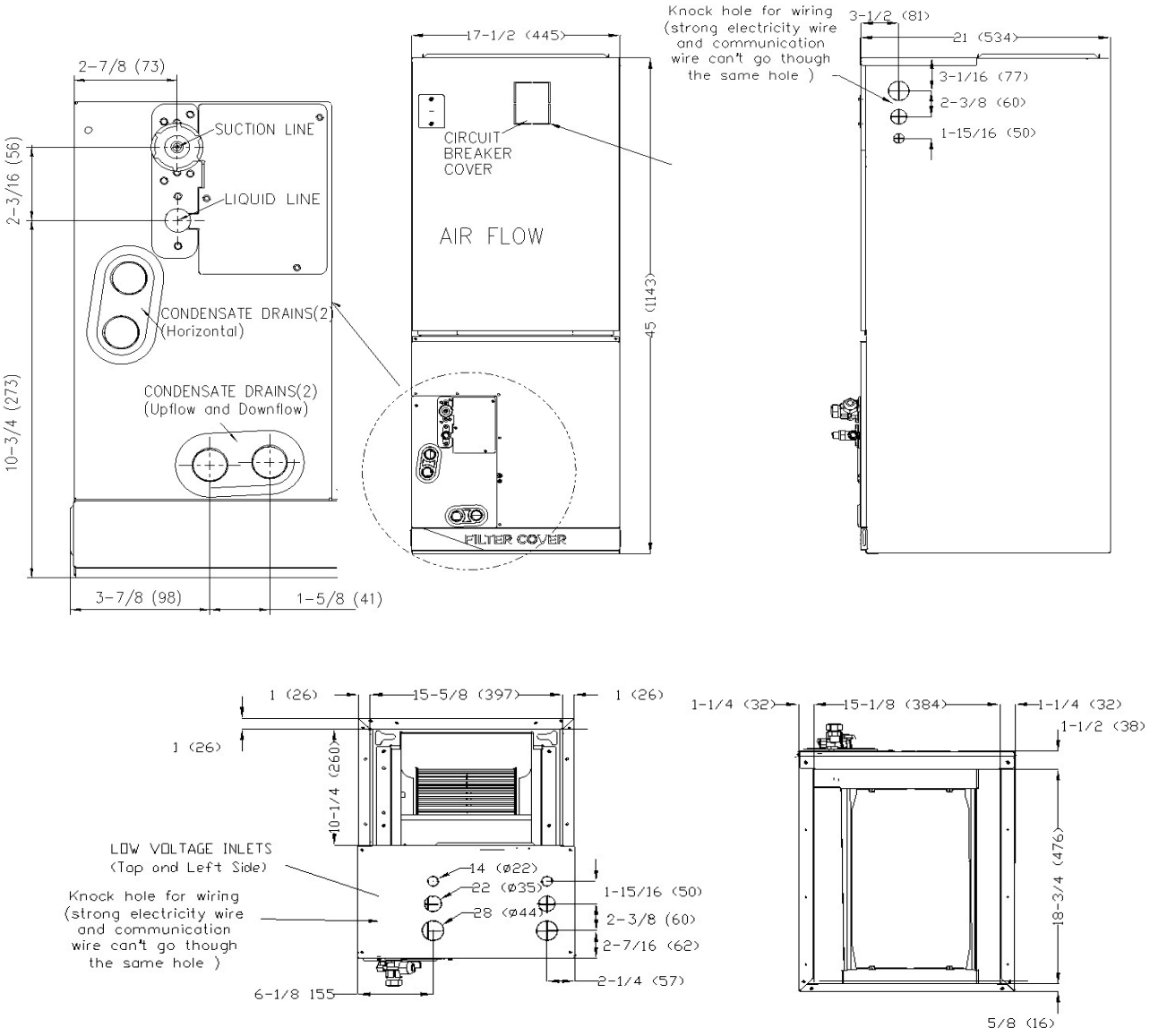
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	18,000
2. @ 47°F Min/Max Capacity	5,600 ~ 19,000
3. @ 17°F Rated	12,600
4. @ 5°F Rated: Capacity / COP	11,200 / 2
5. @ 5°F Max: Capacity	11,200
Standard Operating Range(°F/°C)	-13~75(-25~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	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 Operating at Max. Frequency	Indoor: 70°F DB/60°F WB
	Outdoor: 5°F DB/5°F WB

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52)
Gas Size	3/4" (19)
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*

*The gas valve of the outdoor unit is 5/8", 5/8" to 3/4" flare to flare connector is required for the installation.

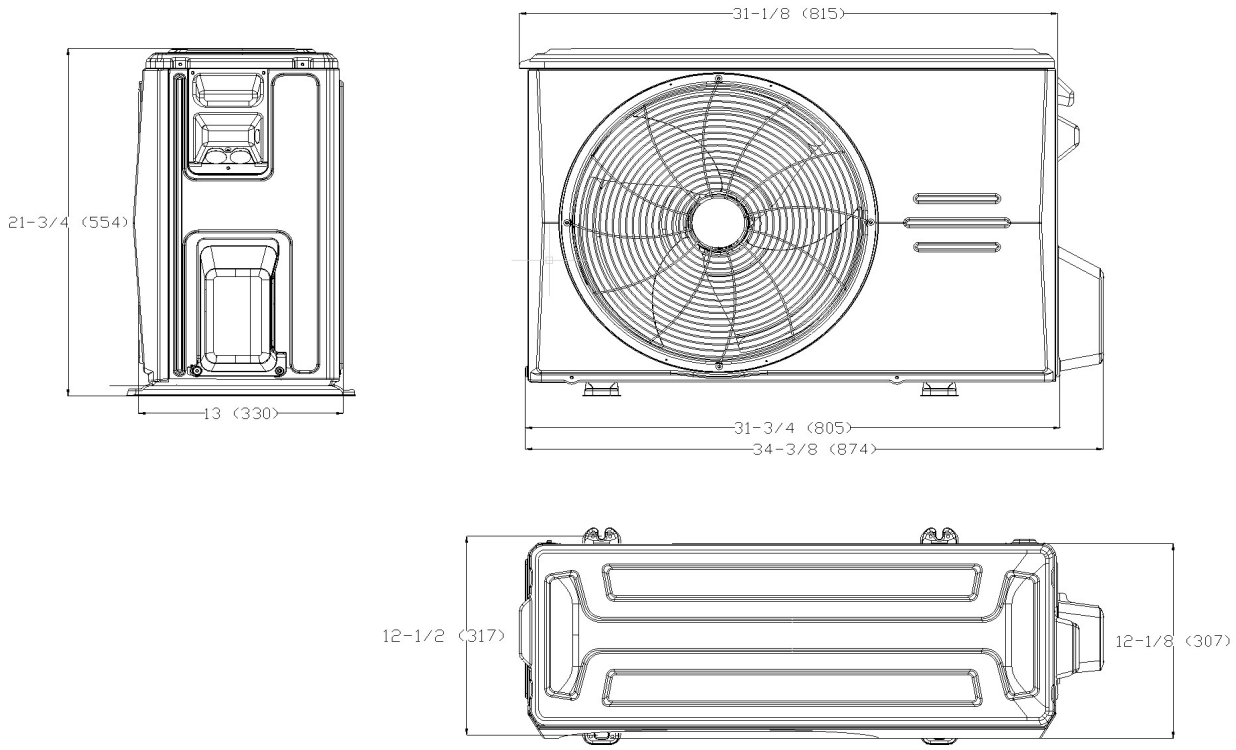
Indoor Unit Dimension

Unit:inch(mm)

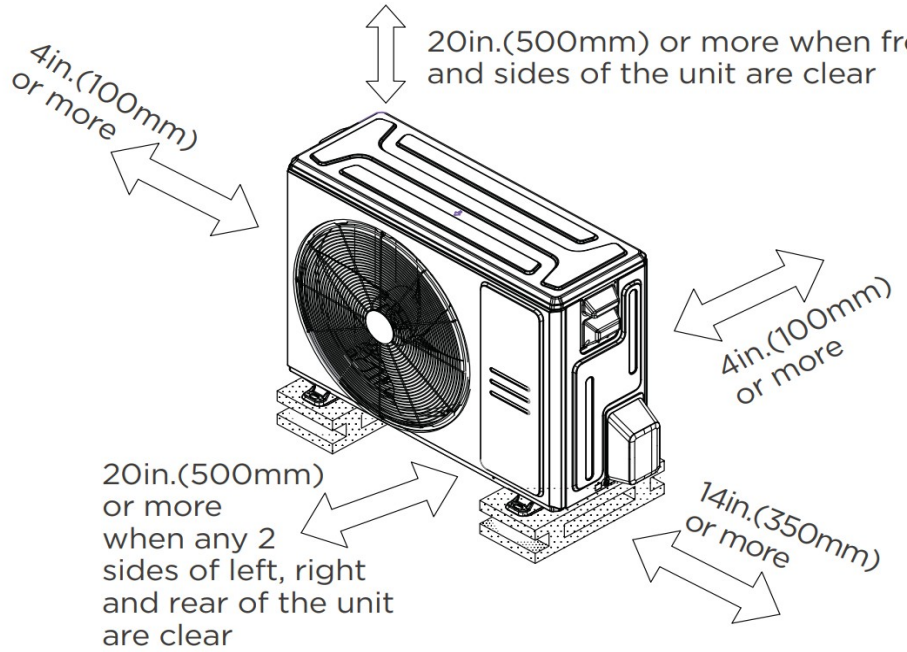


Outdoor Unit Dimension

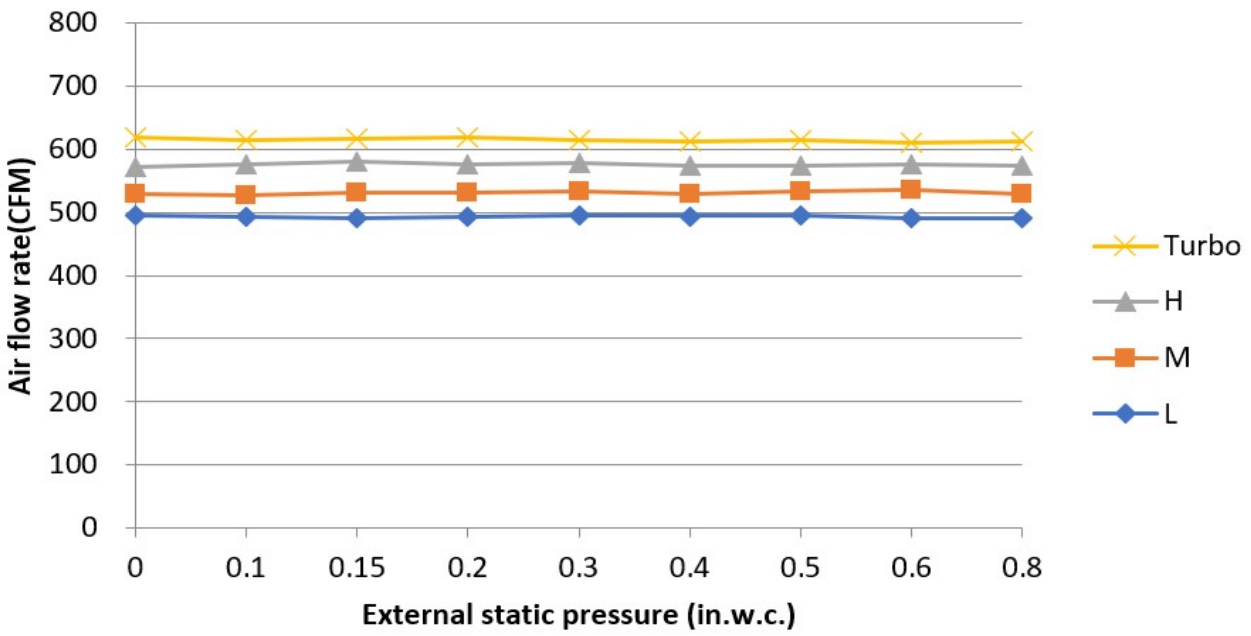
Unit:inch(mm)



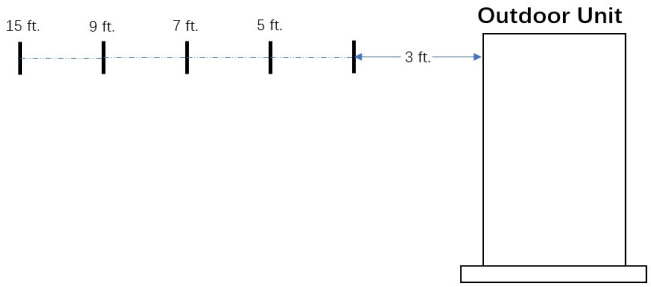
Installation Instruction For Outdoor Unit



Fan Performance For Indoor Unit



Outdoor Unit Sound Pressure Data



	Maximum Sound Pressure (dBA)				
Model	3'	5'	7'	9'	15'
MO1BE-H18B-2A	50.1	48.3	47.1	46.2	44.3
MO1BE-H24B-2A	55.9	54.0	52.7	51,8	49.9
MO1BE-H30B-2A	55.9	54.0	52.7	51,8	49.9
MO1BE-H36B-2A	59.2	57.3	56.0	55.1	53.2
MO1BE-H48B-2A	62.1	60.2	58.9	58.0	56.1
MO1BE-H60B-2A	62.0	60.1	58.8	57.9	56.0

Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- The IDU supports 115/230V voltage compatibility
- Aluminum Coil
- Constant Air Flow system: Up to 0.8 In.W.C.
- Optional Auxiliary heat kit up to 25kW
- Easy Maintenance
- Multiple control options available:
  - Wireless remote controller RG10 (Built-In)
  - Two-way communication programmable wired controller with built-in Wi-Fi:120N(X6W)
  - Midea Smart Thermostat
  - Third-Party 24V Thermostat
- Adaptive Control System
- 100% heating output down to -4°F*
- 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