R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: EVOX Multi-Position Air Handler Advanced Heat Series
Model Number: MAUHE-H30B-2A/MO1BE-H30B-2A

Midea

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)		989 / 895 / 806 / 712 / 712
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		46 / 46 / 42 / 29 / 29
Dimension (W×D×H)	**inch**	21 x 21 x 49
	mm	534 × 534 × 1,245
Package (W×D×H)	**inch**	26-5/8 x 24-3/8 x 52-1/2
	mm	675 × 620 × 1,335
Net/Gross Weight	**lbs**	129 /153
	kg	58.5 / 69.6

OUTDOOR SPECIFICATION		
Compressor Type		TWIN-ROTARY
Compressor Model		KTF250D22UMT
Refrigerant		R454B
Refrigerant Oil Charge(mL)		670
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		3,002
Dimension (W×D×H)	**inch**	37-1/4 x 16-1/8 x 31-7/8
	mm	946 × 410 × 810
Package (W×D×H)	**inch**	42-7/8 x 19-5/8 x 34-7/8
	mm	1,090 × 500 × 885
Net/Gross Weight	**lbs**	142 / 152
	kg	64.3 / 69.1

EFFICIENCY			
Cooling		**Heating**	
SEER2	17.0	**HSPF2-4**	8.5
EER2	10.7	**COP**	3.50

ELECTRICAL	
Indoor Power Supply	115/208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	8.0/6.0
Indoor MOP	15.0
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	22.5
Outdoor MOP	25.0
Communication Wiring	AWG 20/2
Compressor RLA	17.0
Outdoor Fan Motor RLA	1.1
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	4.5
Indoor Fan Motor W	375
System Power Input @ Cooling (W)	2,800 (730 ~ 3,230)
System Power Input @ Heating (W)	2,600 (460 ~2,600)
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

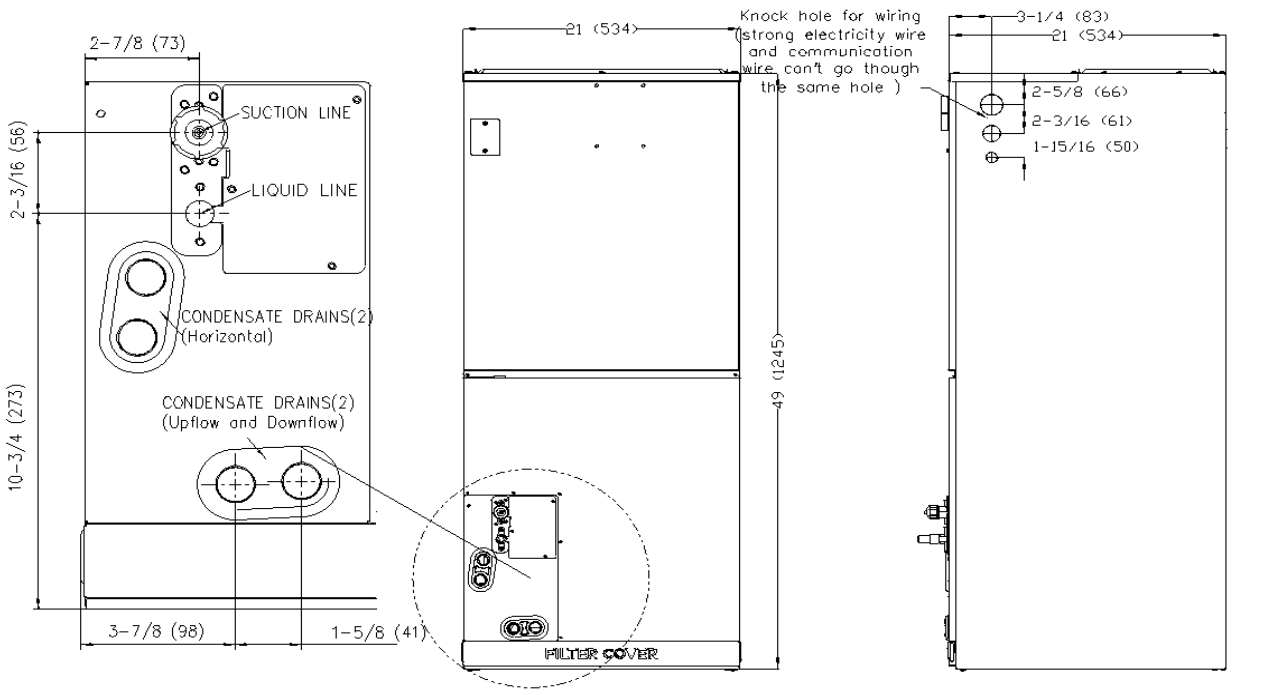
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	30,000
Min/Max Capacity	10,400 ~ 34,000
Moisture Removal(L/h)	3.57
Standard Operating Range(°F/°C)	-13~122 (-25 ~ 50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

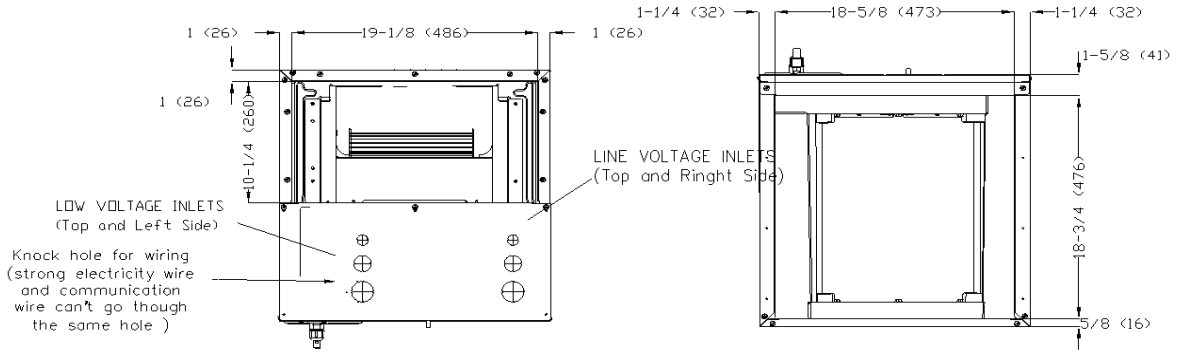
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	31,000
2. @ 47°F Min/Max Capacity	6,400 ~ 32,200
3. @ 17°F Rated	18,500
4. @ 5°F Rated: Capacity / COP	19,100/2
5. @ 5°F Max: Capacity	19,100
Standard Operating Range(°F/°C)	-13~75 (-25 ~ 24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB 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)	164 (50)
Max. Height Difference(ft/m)	82 (25)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	92 (2.6)
Additional Charge of Refrigerant(oz/ft)/(g/m)	0.7 (65)
Connection Method	Flared

Indoor Unit Dimension

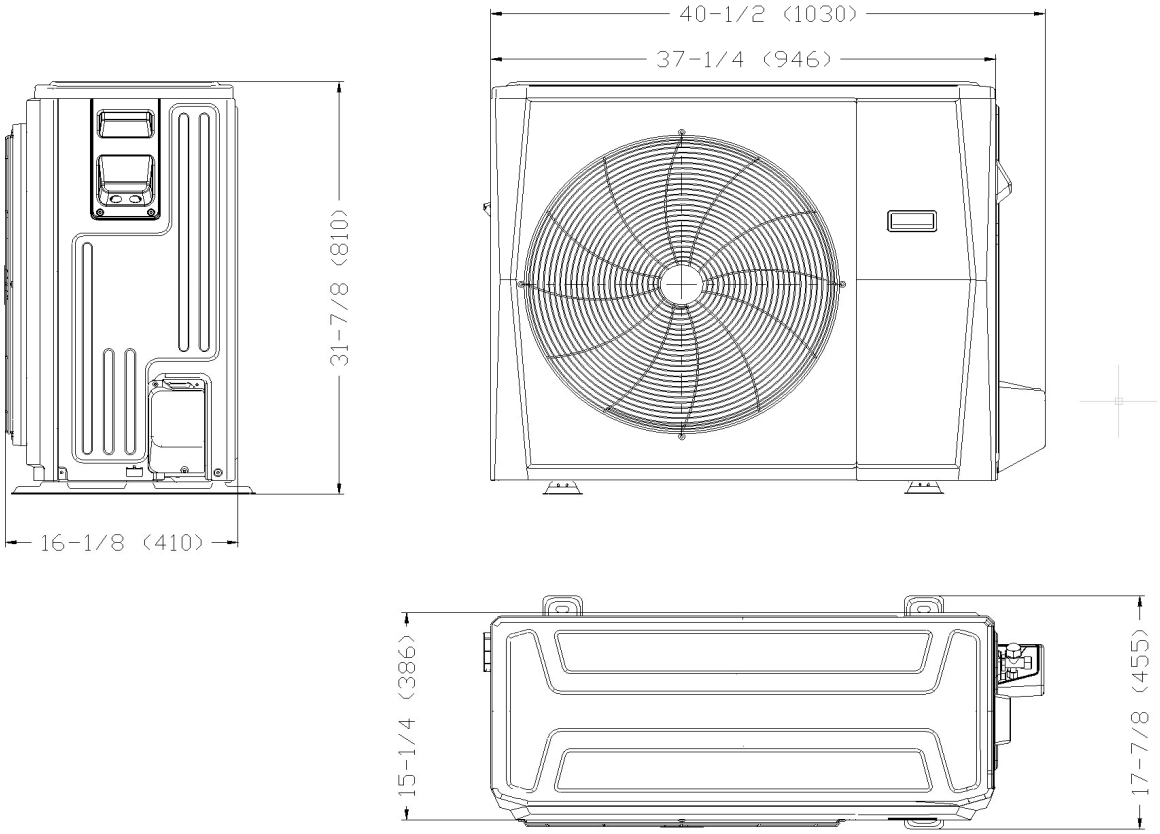
Unit:inch(mm)



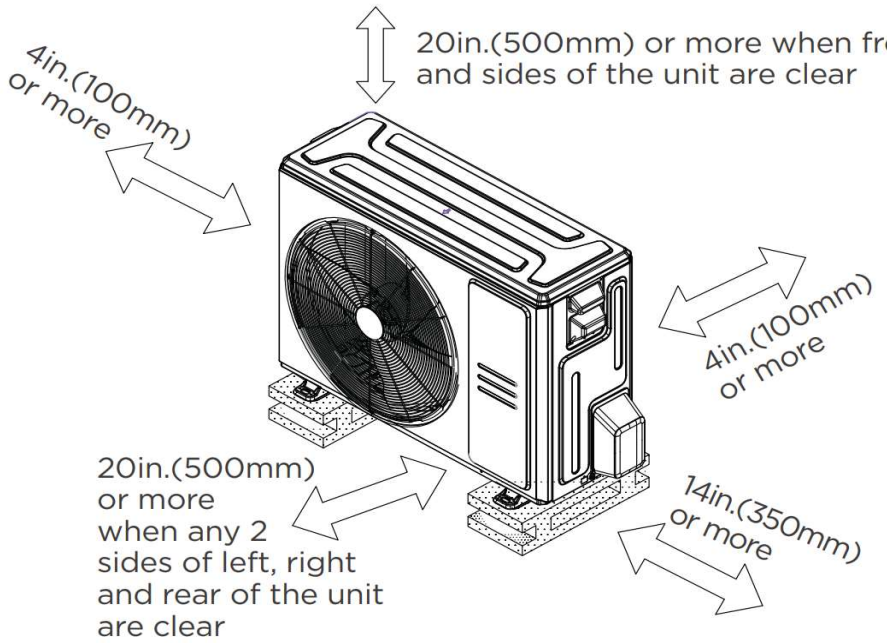


Outdoor Unit Dimension

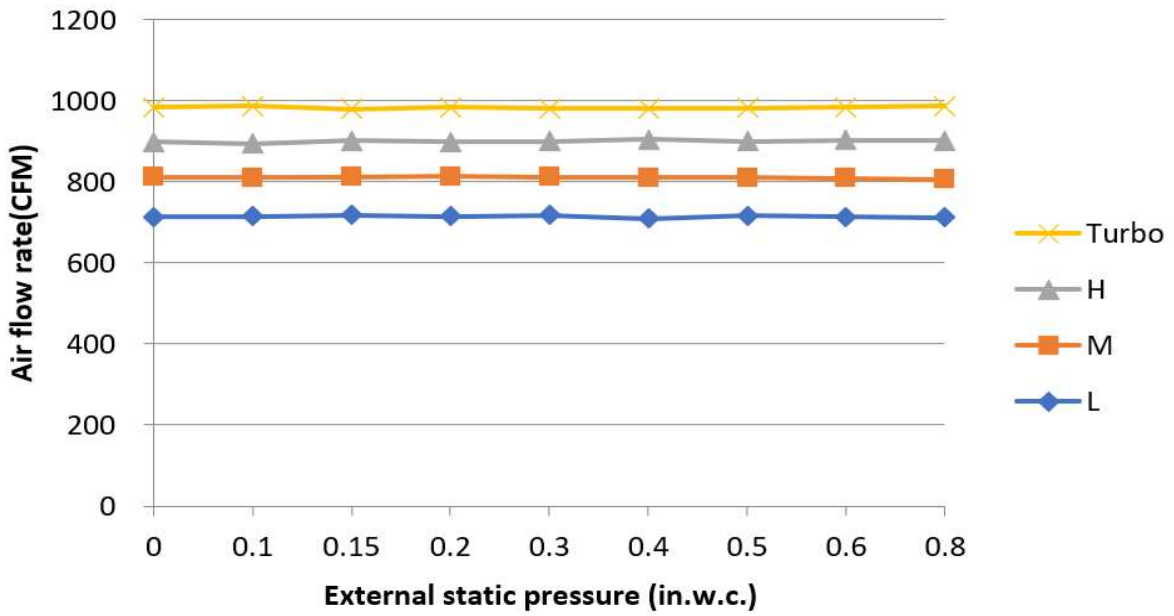
Unit:inch(mm)



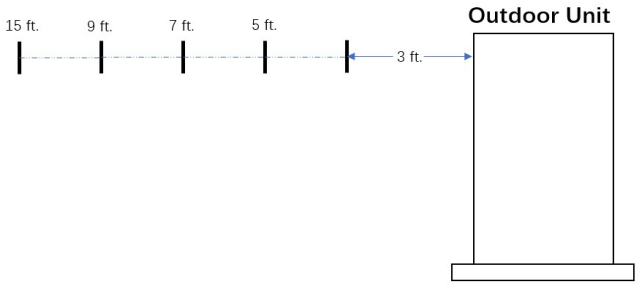
Installation Instruction For Outdoor Unit



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