R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: EVOX Multi-Position Air Handler Cooling Only Series
Model Number: MAUHE-H60B-2A/MO1AE-C60B-2A

Midea

Air Handler Cooling Only 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)		1,807 / 1,583 / 1,360 / 1,136 / 1,136
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		56 / 52 / 49 / 34.5 / 34.5
Dimension (W×D×H)	inch	24-1/2 x 21 x 53
	mm	622 × 534 × 1,346
Package (W×D×H)	inch	27-3/8 x 27-3/4 x 56-1/2
	mm	695 × 705 × 1,435
Net/Gross Weight	lbs	163 / 191
	kg	73.9 / 86.6

OUTDOOR SPECIFICATION		
Compressor Type		TWIN-ROTARY
Compressor Model		KTQ420D1UMU
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1400
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		4,503
Outdoor Noise Level (dBA)		63
Dimension (W×D×H)	inch	37-1/2 x 16-3/8 x 52-1/2
	mm	952 × 416 × 1,333
Package (W×D×H)	inch	43-1/8 x 19-1/2 x 58-1/4
	mm	1,095 × 495 × 1,480
Net/Gross Weight	lbs	212 / 244
	kg	96.3 / 110.9

EFFICIENCY			
Cooling		Heating	
SEER2	16.0	HSPF2-4	/
EER2	9.8	COP	/

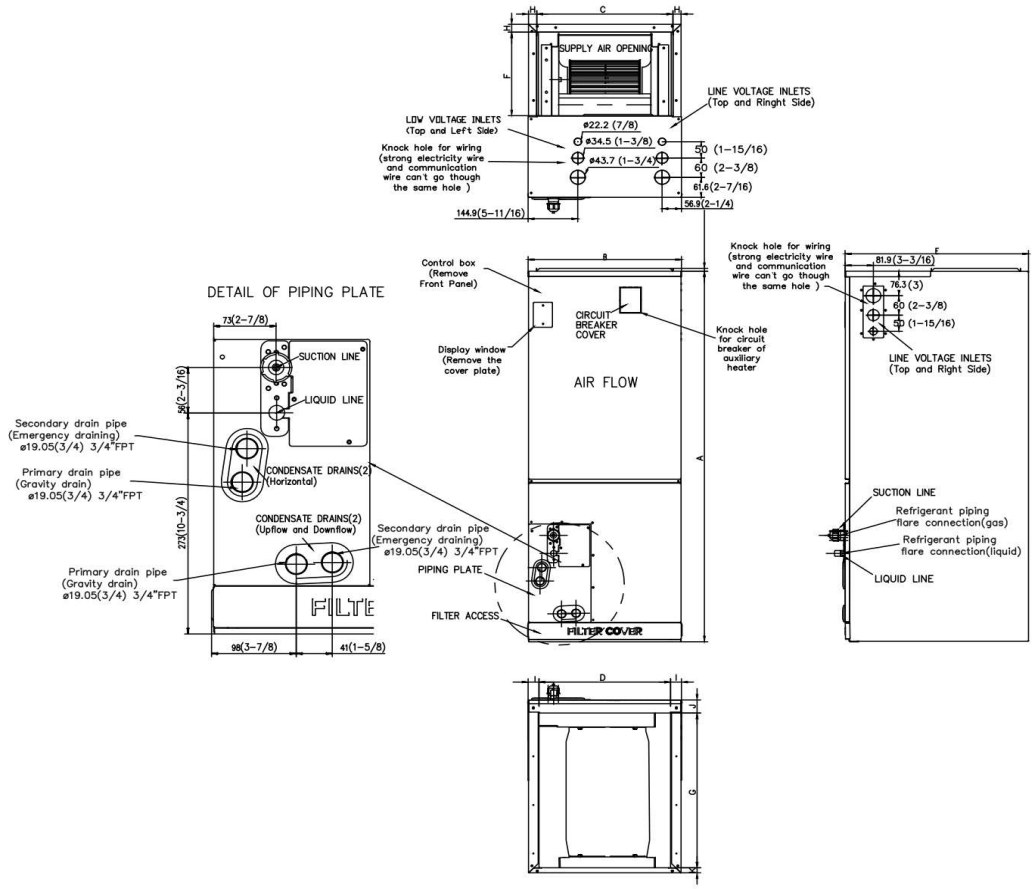
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	54,000
Min/Max Capacity	19,000 ~ 59,000
Moisture Removal(L/h)	5.5
Standard Operating Range(°F/°C)	-13 ~ 122(-25 ~ 50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	/
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	/
4. @ 5°F Rated: Capacity / COP	///
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	/(/)
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	115/208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	14.5/11.0
Indoor MOP	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	37
Outdoor MOP	40
Communication Wiring	AWG 20-2
Compressor RLA	27.5
Outdoor Fan Motor RLA	2.4
Outdoor Fan Motor W	170
Indoor Fan Motor RLA	8.3
Indoor Fan Motor W	750
System Power Input @ Cooling (W)	5,510(1,320 ~ 6,450)
System Power Input @ Heating (W)	/(/)
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

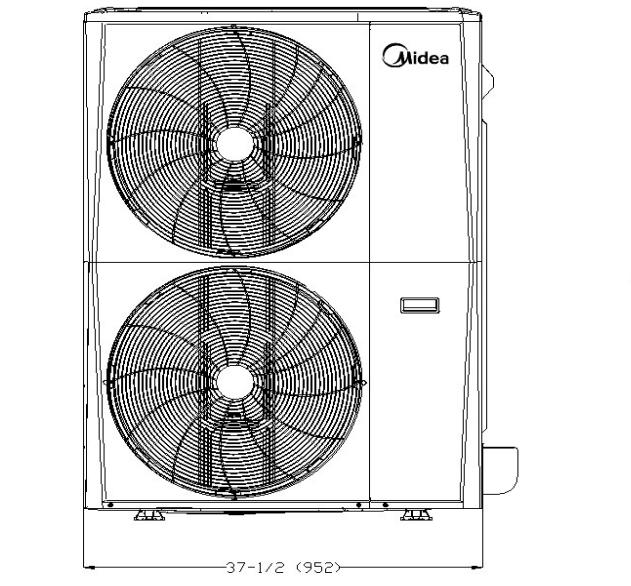
PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52)
Gas Size	3/4" (19)
Max. Piping Length(ft/m)	246(75)
Max. Height Difference(ft/m)	98(30)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	169.3(4.80)
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.7(65)
Connection Method	Flared

Indoor Unit Dimension

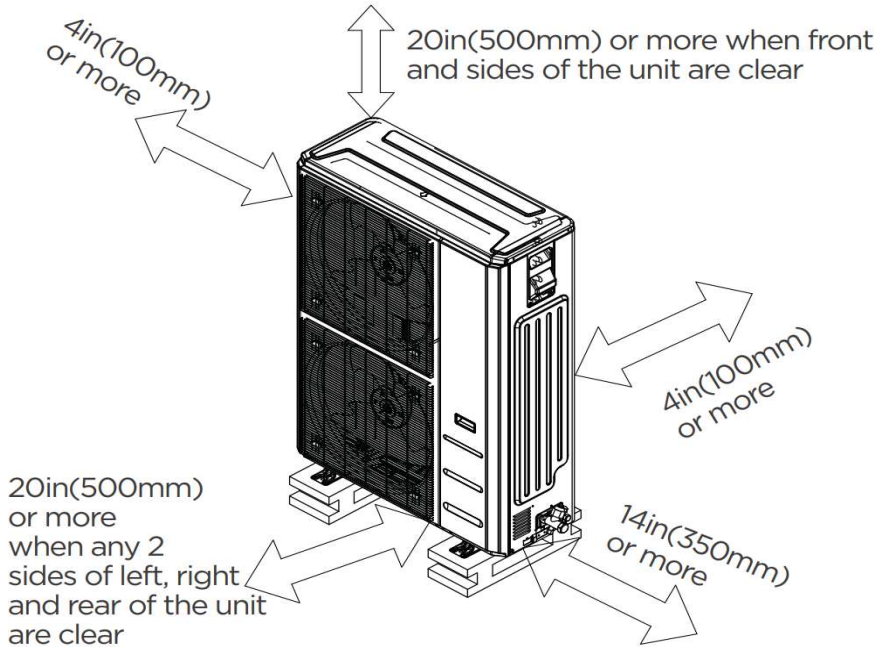


Dimensions \ Model		18k/24k		30k/36k		48k/60k	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return Air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19

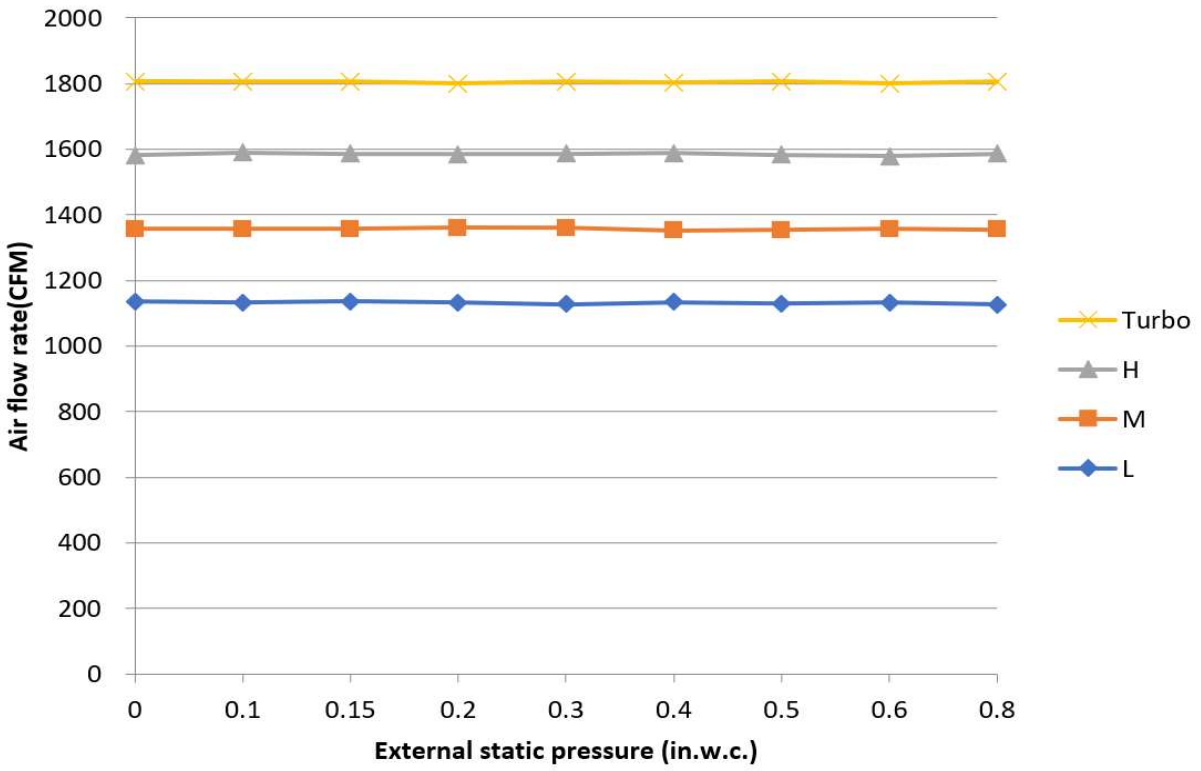
Outdoor Unit Dimension



Installation Instruction For Outdoor Unit



Fan Performance For Indoor Unit



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
- Standard graphene fins, a standard feature of the outdoor unit, deliver superior corrosion resistance
- The outdoor unit comes standard with crankshaft electric heating
- Built-in Refrigerant Detection Sensor