

# SUBMITTAL DATA SHEET



Series Name: Cooling Only Acoil Series  
Model Number: MAAHE-H60B-DA/M01AE-C48B-2A

## Air Handler Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION		
Dimension (WxDxH)	inch	24-1/2 x 21 x 28
	mm	622 x 533 x 711
Package (WxDxH)	inch	27-3/4 x 26-1/8 x 30-3/8
	mm	705 x 665 x 770
Net/Gross Weight	lbs	81 / 92
	kg	36.8 / 41.9

OUTDOOR SPECIFICATION		
Compressor Type	ROTARY	
Compressor Model	KTQ420D1UMU	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	1400	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	3,037	
Outdoor Noise Level (dBA)	65	
Dimension (WxDxH)	inch	38-9/16 x 16-3/8 x 38-3/8
	mm	980 x 415 x 975
Package (WxDxH)	inch	45-1/16 x 19-11/16 x 42-1/2
	mm	1145 x 500 x 1080
Net/Gross Weight	lbs	187.17/218.48
	kg	84.9/99.1

EFFICIENCY			
Cooling		Heating	
SEER2	14.6	HSPF2-4	/
EER2	9.0	COP	/

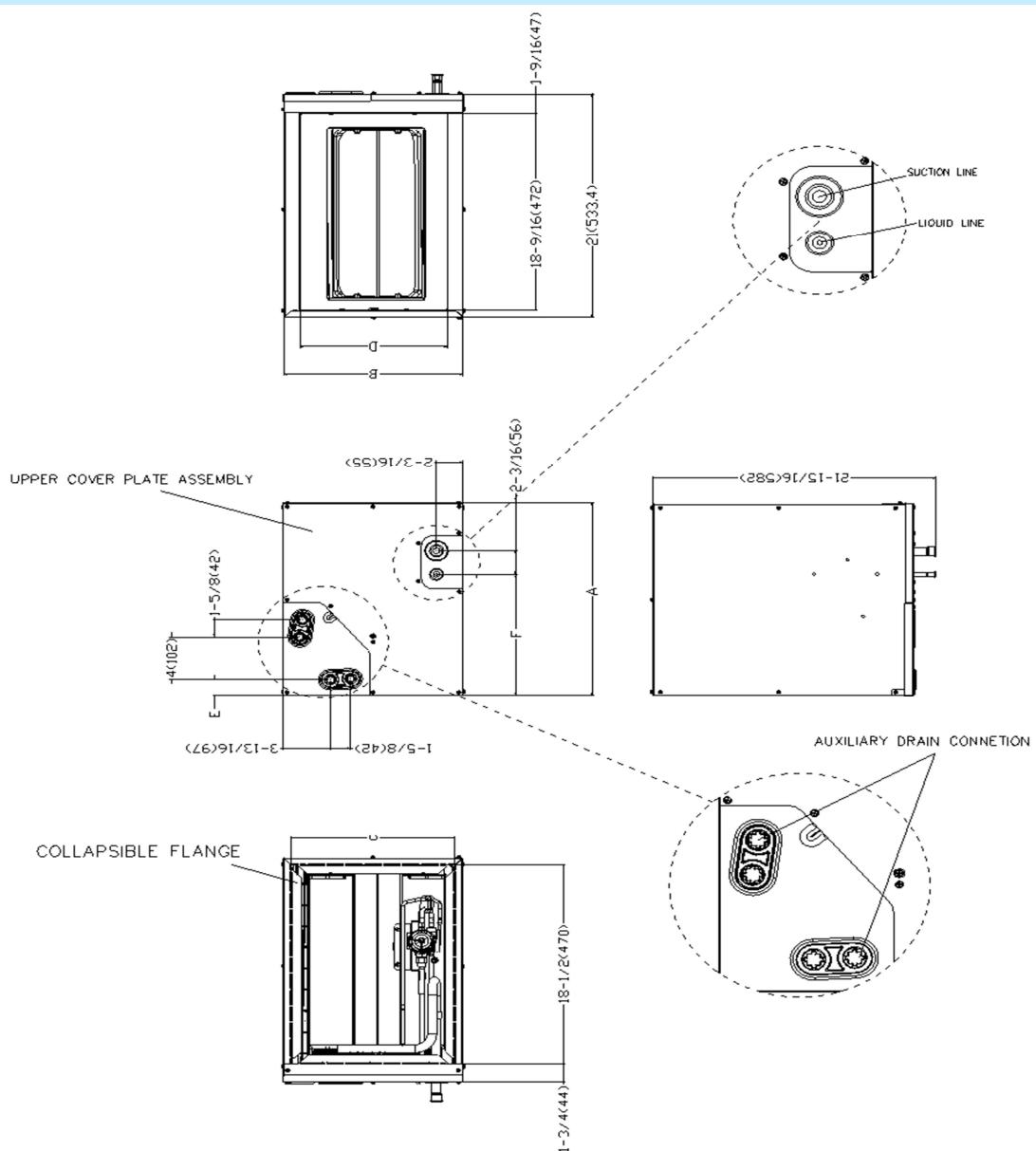
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	47000
Min/Max Capacity	13600~50,000
Moisture Removal(L/h)	6.1
Standard Operating Range(°F/°C)	-13~122(-25~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

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	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	36
Outdoor MOP	40
Communication Wiring	AWG 20-2
Compressor RLA	27
Outdoor Fan Motor RLA	2
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	5111(1300-5700)
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)	TXV
Throttle type(Outdoor)	/
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
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)	141.10(4.00)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.7(65)
Connection Method	Flared

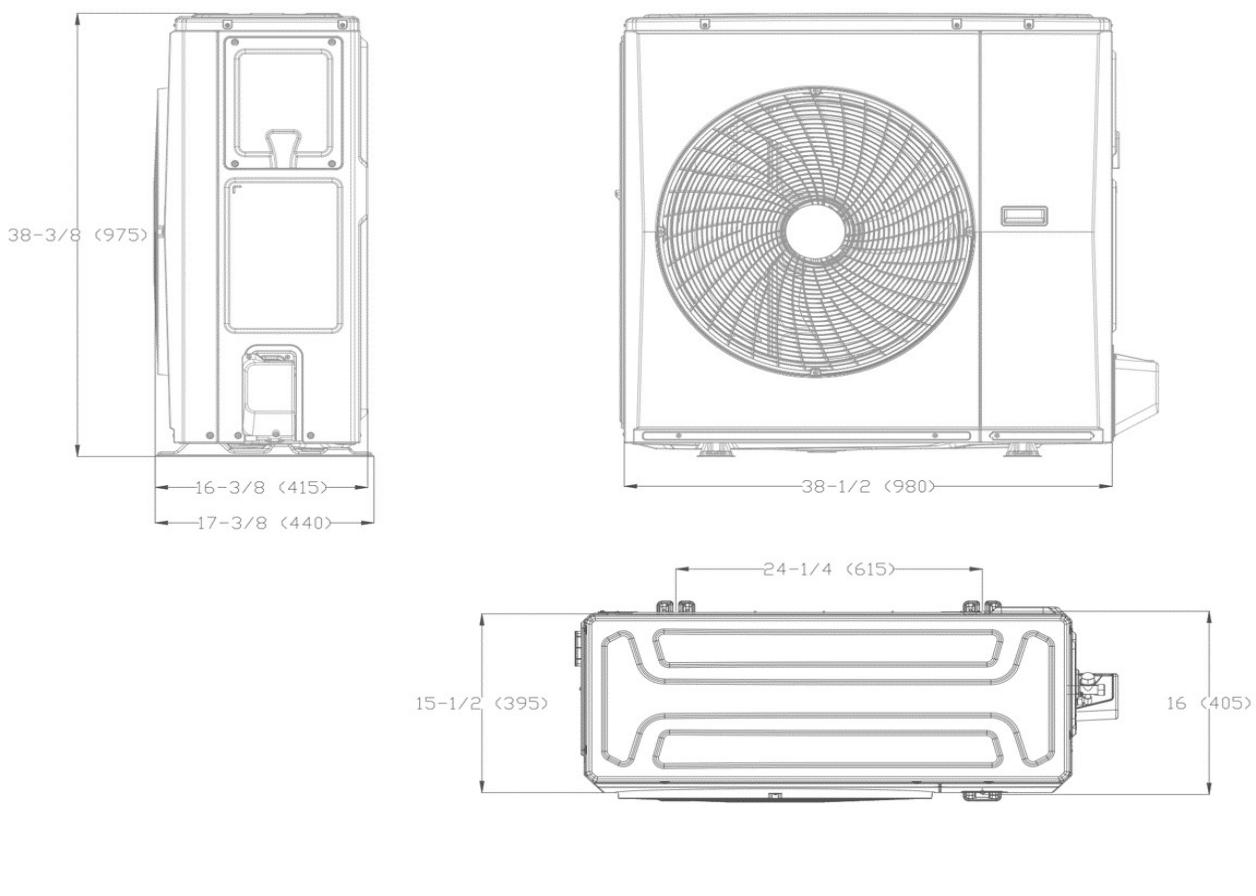
Indoor Unit Dimension



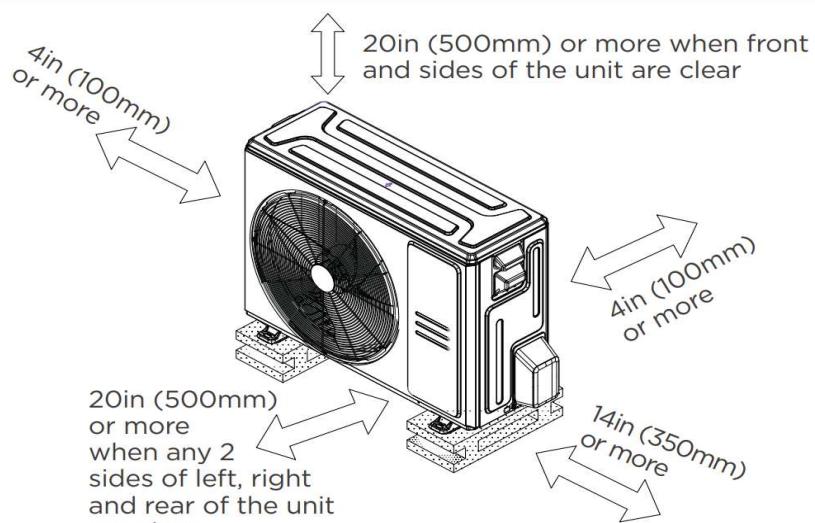
Model		60-D	
Dimensions		inch	mm
A	Model Height	28	711
B	Model Width	24-1/2	622
C	Supply Air Opening Width	23-1/4	591
D	Return Air Opening Width	23-1/8	587
E	Condensate Drains Height	2-3/16	55
F	Liquid Line Height	21-7/16	545

#### Outdoor Unit Dimension

Unit:inch(mm)



#### Installation Instruction For Outdoor Unit



Meets all spatial requirements shown in Installation Clearance Requirements above.

#### Features

- Multi-position installation: horizontal(left or right), vertical( up or down)
- Aluminum Coil
- R454B refrigerant sensor
- Easy Maintenance
- Multiple control options available:
  - Two-way communication wired controller with built-in Wi-Fi:120N(X6W)
  - Third-Party 24V Thermostat
- Crankcase heater equipped as standard