

SUBMITTAL DATA SHEET



Series Name: **Multi Zone Mega Heat Series**

Model Number: **A3MO22-27N1-M1H**

Heat Pump System

Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____



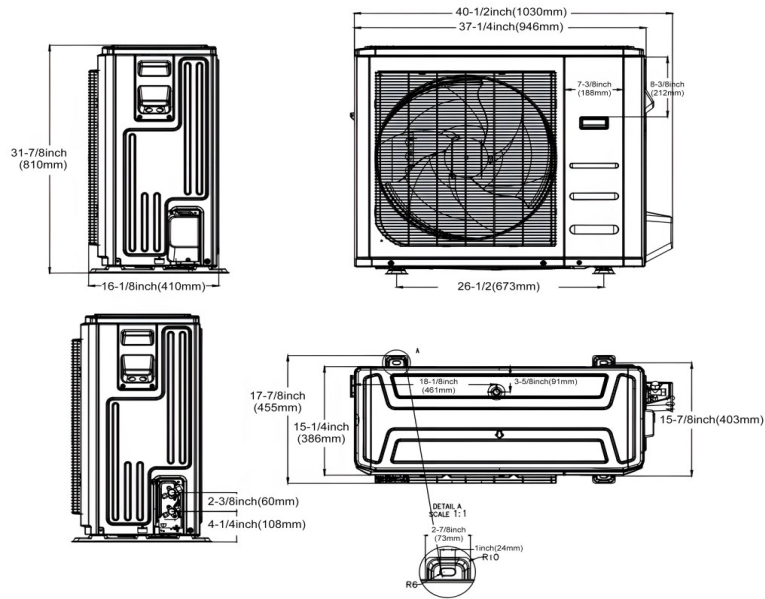
OUTDOOR SPECIFICATION		
Compressor Type	ROTARY	
Refrigerant	R410A	
Factory Charge Oil	1000ml	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	2147	
Outdoor Noise Level (dBA)	62	
Dimension (WxDxH)	inch	37-1/4 x 16-1/8 x 31-7/8
	mm	946 x 410 x 810
Package (WxDxH)	inch	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	165/177
	kg	74.8/80.5

EFFICIENCY			
Cooling		Heating	
SEER2	20.5	HSPF2-4	9.6
EER2	11.8	COP	3.5
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated (Min/Max)		27000	
Sebsible @ AHRI		10500~34000	
Moisture Removal		/	
Standard Operating Range		5°F~122°F (-15°C~50°C)	
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 (Min/Max)		27000(9800~36000)	
2. @ 17°F Rated		22500	
3. @ 5°F Max: Capacity / COP		27000 / 1.8	
Standard Operating Range		-22°F~75°F (-30°C~24°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	
Power Supply	208/230V, 1Ph, 60Hz
System MCA	30.5
Connection Wiring	AWG 14-4
System MOCP	40
Compressor RLA	18.5
Outdoor Fan Motor RLA	1.1
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2287(822~3500)
System Power Input @ Heating (W)	2241(697~3450)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING	
Liquid Size	3x1/4in (3x6.35mm)
Gas Size	2x3/8+1x1/2in (2x9.52+1x12.7mm)
Max. Piping Length for all rooms	196.9ft (60m)
Max. Piping Length for one IDU	98.4ft (30m)
Max. Height Difference of IDU and ODU	49.2ft (15m)
Refrigerant Pre-charged Amount	134oz (3799g)
Refrigerant Precharge Length	25x3 (ft)
Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe)	0.16oz/ft (15g/m)
Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe)	0.32oz/ft (30g/m)
Connection Method	Flared

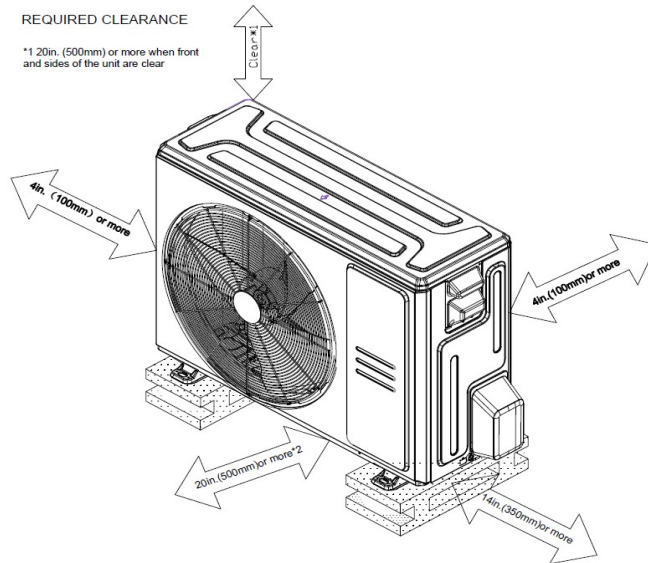
Outdoor Unit Dimension



Installation Instruction

REQUIRED CLEARANCE

*1 20in. (500mm) or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear