

SUBMITTAL DATA SHEET



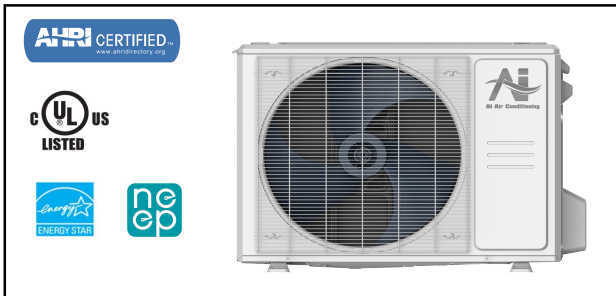
Series Name: **Multi Zone Mega Heat Series**

Model Number: **A2MO22-18N1-M1H**

Heat Pump System

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

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



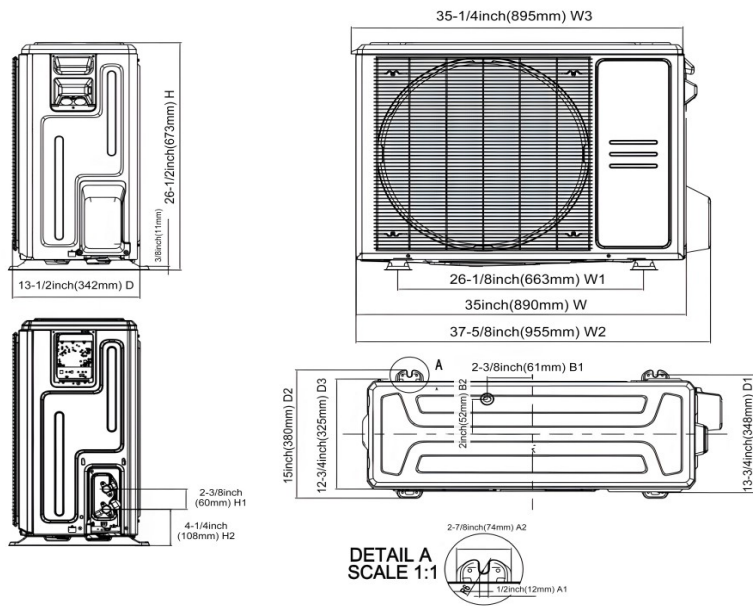
OUTDOOR SPECIFICATION		
Compressor Type		Twin-ROTARY
Refrigerant		R410A
Factory Charge Oil		620ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2129
Outdoor Noise Level (dBA)		61
Dimension (W×D×H)	inch	37-1/4 x 16-1/8 x 31-7/8
	mm	946 x 410 x 810
Package (W×D×H)	inch	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	138/149
	kg	62.7/67.6

EFFICIENCY			
Cooling		Heating	
SEER2	20.5	HSPF2-4	9.0
EER2	12.5	COP	3.6
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated (Min/Max)		19000	
Sebsible @ AHRI		5100~22600	
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)		20000(7900~25000)	
2. @ 17°F Rated		13500	
3. @ 5°F Max: Capacity / COP		18000 / 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	20
Connection Wiring	AWG 14-4
System MOCP	25
Compressor RLA	11
Outdoor Fan Motor RLA	1.7
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1520(230~2100)
System Power Input @ Heating (W)	1640(640~2250)
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	2x1/4in (2x6.35mm)
Gas Size	2x3/8in (2x9.52mm)
Max. Piping Length for all rooms	131.2ft (40m)
Max. Piping Length for one IDU	82ft (25m)
Max. Height Difference of IDU and ODU	49.2ft (15m)
Refrigerant Pre-charged Amount	91.7oz (2600g)
Refrigerant Precharge Length	25x2 (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

