

SUBMITTAL DATA SHEET



Series Name: Multi Zone Regular Series

Model Number: A5MO21-48N1-M1

Wall Mounted Heat Pump System

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

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



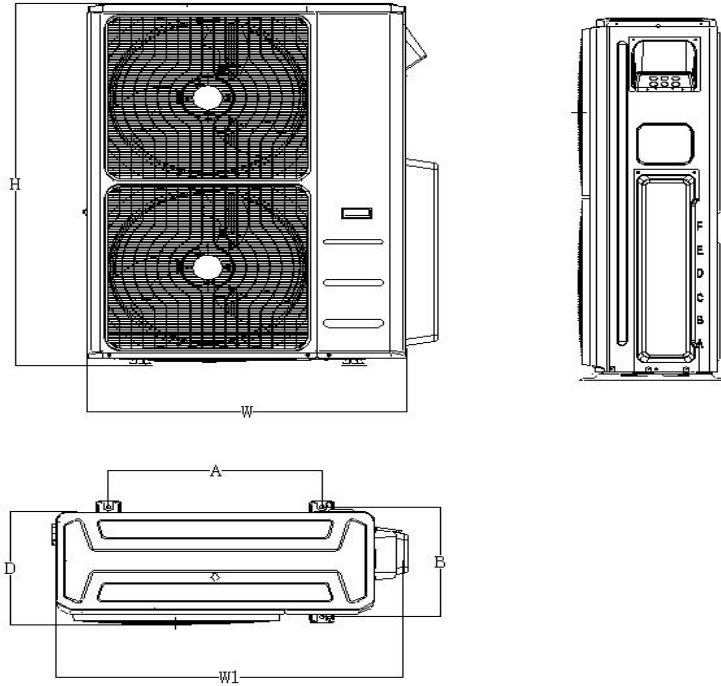
OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Refrigerant		R410A
Factory Charge Oil		1400ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		4500
Outdoor Noise Level (dBA)		62
Dimension (W×D×H)	inch	37-1/2 x 16-3/8 x 52-1/2
	mm	952 x 415 x 1333
Package (W×D×H)	inch	43-1/8 x 19-1/2 x 58-1/4
	mm	1095 x 495 x 1480
Net/Gross Weight	lbs	226/257
	kg	102.3/116.4

EFFICIENCY			
Cooling		Heating	
SEER2	21.1	HSPF2-4	9.5
EER2	11.0	COP	3.2
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated (Min/Max)		48000	
Sebsible @ AHRI		11600~49700	
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)		48000(33000~52900)	
2. @ 17°F Rated		36000	
3. @ 5°F Max: Capacity / COP		33000 / 1.80	
Standard Operating Range		-13°F~75°F (-25°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	40
Connection Wiring	AWG 14-4
System MOCP	60
Compressor RLA	24
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	4440(810~4730)
System Power Input @ Heating (W)	4390(2860~4750)
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	5x1/4in (5x6.35mm)
Gas Size	3x3/8in+2x1/2in (3x9.52+2x12.7mm)
Max. Piping Length for all rooms	262.5ft (80m)
Max. Piping Length for one IDU	114.8ft (35m)
Max. Height Difference of IDU and ODU	49.2ft (15m)
Refrigerant Pre-charged Amount	162.0oz (4593g)
Refrigerant Precharge Length	(25x5)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

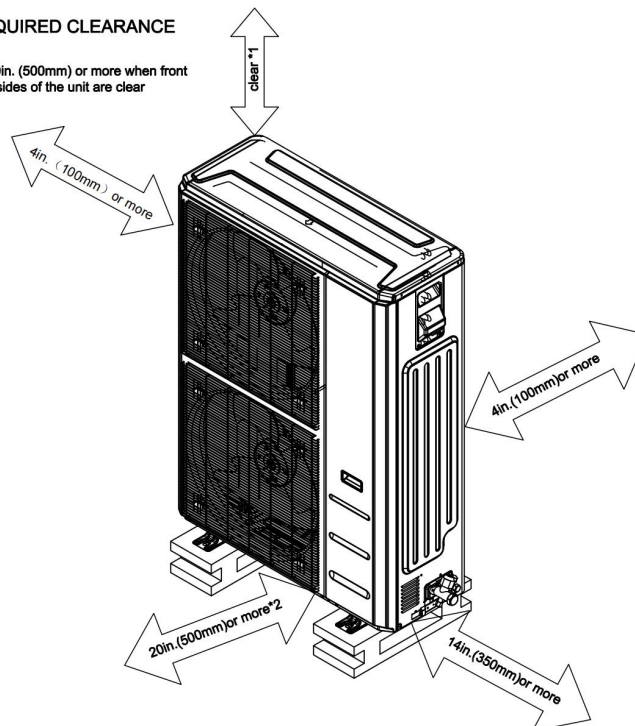


Unit [⊕]	W [⊕]	D [⊕]	H [⊕]	W1 [⊕]	A [⊕]	B [⊕]
mm [⊕]	952 [⊕]	415 [⊕]	1333 [⊕]	1060 [⊕]	634 [⊕]	404 [⊕]
inch [⊕]	37.5 [⊕]	16.3 [⊕]	52.5 [⊕]	41.7 [⊕]	25.0 [⊕]	15.9 [⊕]

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