

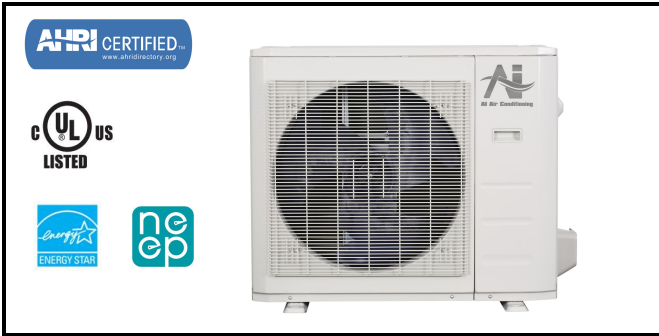
SUBMITTAL DATA SHEET



Series Name: **Multi Zone Regular Series**

Model Number: **A3MO21-27N1-M1**

Wall Mounted Heat Pump System	
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____



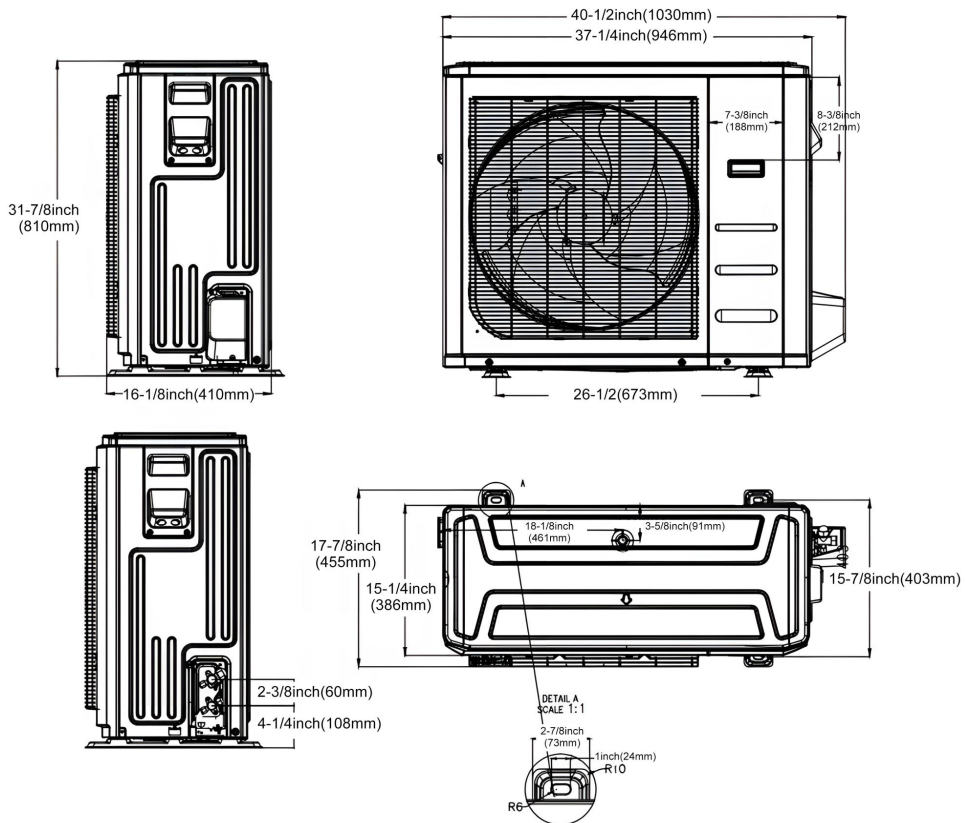
OUTDOOR SPECIFICATION		
Compressor Type		Twin-ROTARY
Refrigerant		R410A
Factory Charge Oil		620ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2129
Outdoor Noise Level (dBA)		60
Dimension (W×D×H)	inch	37-1/4 x 16-1/8 x 31-7/8
	mm	946 x 410 x 810
Package (W×D×H)	inch	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	140/151
	kg	63.4/68.3

EFFICIENCY			
Cooling		Heating	
SEER2	23.5	HSPF2-4	9.2
EER2	12.2	COP	3.7
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated (Min/Max)		27000	
Sebsible @ AHRI		8500~32000	
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)		28000(8200~35000)	
2. @ 17°F Rated		20000	
3. @ 5°F Max: Capacity / COP		19000 / 2.00	
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	24
Connection Wiring	AWG 14-4
System MOCP	30
Compressor RLA	14
Outdoor Fan Motor RLA	1.7
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2250(310~3200)
System Power Input @ Heating (W)	2250(480~3170)
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	3x3/8in (3x9.52mm)
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	91.7oz (2600g)
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

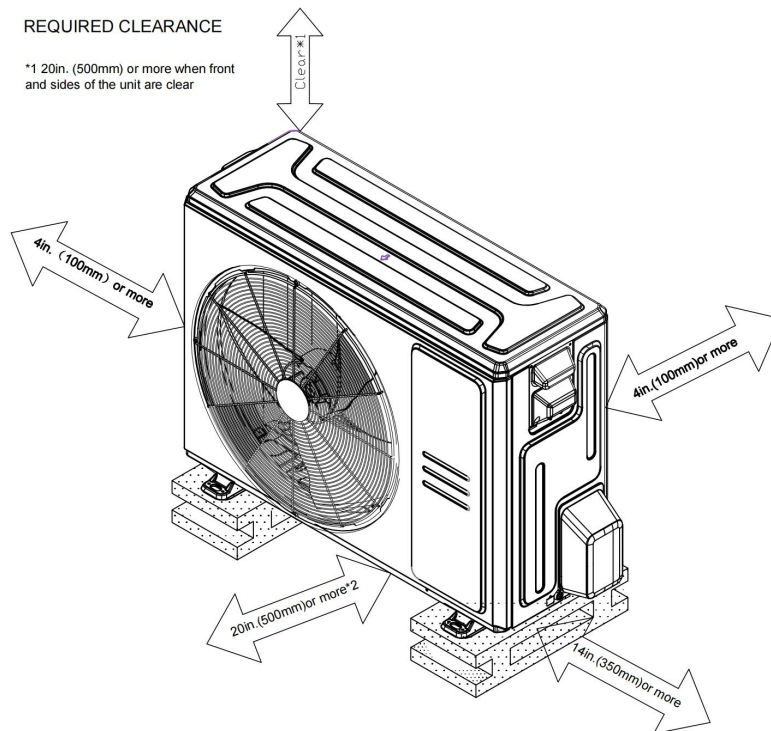
Outdoor Unit Dimension



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