

# SUBMITTAL DATA SHEET



Series Name: **Mini Split 29seer Series**

Model Number: **AO29-33N1-M1H / AW29-33N1-M1**

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



INDOOR SPECIFICATION		
Indoor Air Flow (H/M/L) (CFM)		894/771/600
Indoor Noise Level (H/M/L) (dBA)		52/46/35
Dimension (W×D×H)	inch	46-7/8 x 11-1/4 x 14-5/8
	mm	1190 x 284.6 x 370.6
Package (W×D×H)	inch	50-3/8 x 14-1/8 x 17-7/8
	mm	1280 x 360 x 455
Net/Gross Weight	lbs	43/55
	kg	19.7/25

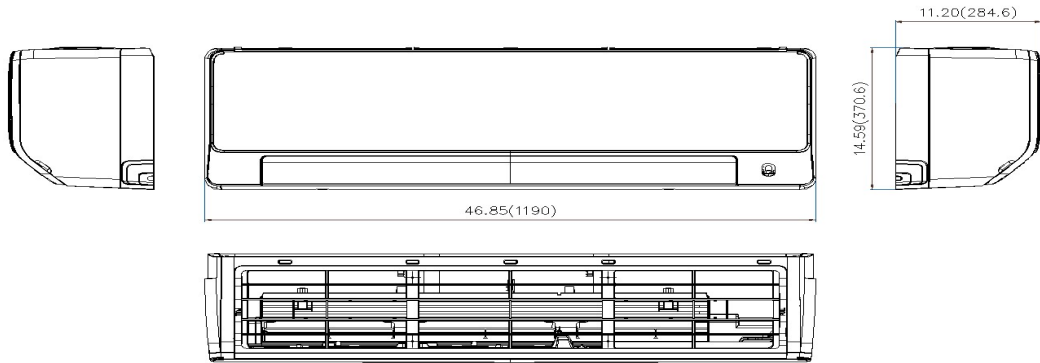
OUTDOOR SPECIFICATION		
Compressor Type		Twin-ROTARY
Refrigerant		R410A
Factory Charge		1000± 10ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2235
Outdoor Noise Level (dBA)		63
Dimension (W×D×H)	inch	37-1/4 x 16-1/8 x 31-7/8
	mm	946 x 410 x 810
Package (W×D×H)	inch	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	160/169
	kg	72.5/76.6

EFFICIENCY			
Cooling		Heating	
SEER2	19.5	HSPF2-4	10.0
EER2	12	COP	3.1
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated (Min/Max)		33000	
Sebsible @ AHRI		15000~39700	
Moisture Removal		3.85L/H (8.1pint/H)	
Standard Operating Range		-22°F~122°F (-30°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)		35000(19000~40000)	
2. @ 17°F Rated		28800	
3. @ 5°F Max: Capacity / COP		34600 / 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	36
Connection Wiring	AWG 14-4
System MOCP	40
Compressor RLA	16.67
Outdoor Fan Motor RLA	0.8
Outdoor Fan Motor W	230
Indoor Fan Motor RLA	0.9
Indoor Fan Motor W	58
System Power Input @ Cooling (W)	2750(440~3825)
System Power Input @ Heating (W)	3290(1250~3920)
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	3/8in (9.52mm)
Gas Size	3/4in (19mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	164ft (50m)
Max. Height Difference	82ft (25m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	102.29oz (2900g)
Additional Charge of Refrigerant	0.32oz/ft (30g/m)
Connection Method	Flared

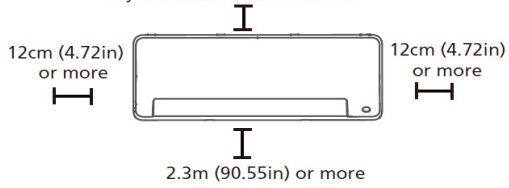
**Indoor Unit Dimension**



**Installation Instruction**

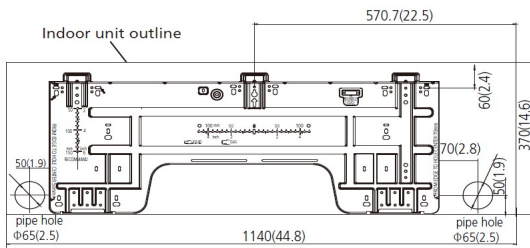
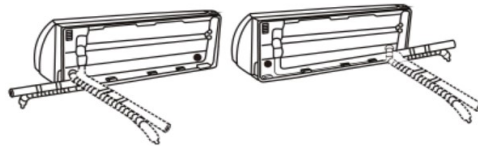
**Refer to the following diagram to ensure proper distance from walls and ceiling:**

Distance from ceiling is determined by the installation method.



**NOTE ON PIPING ANGLE**

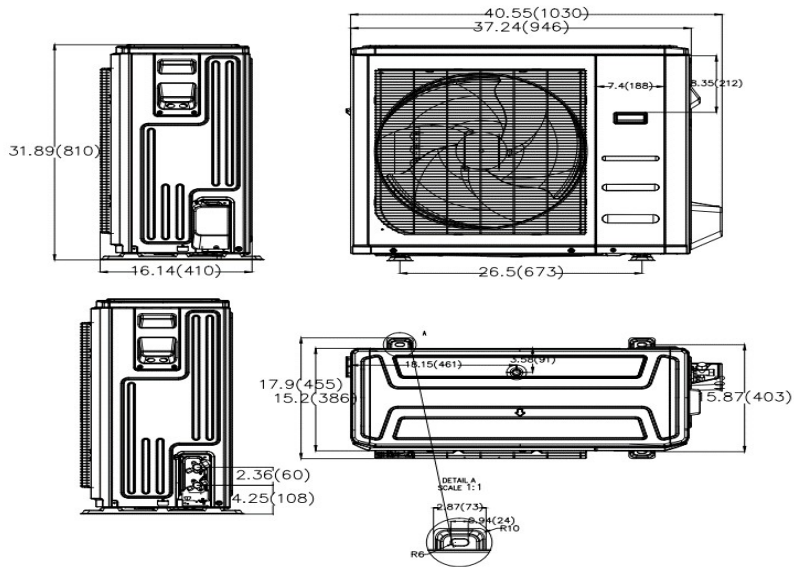
Refrigerant piping can exit the indoor unit from four different angles: Left-hand side, Right-hand side, Left rear, Right rear.



**Model C**

**NOTE:** When the gas side connective pipe is  $\Phi 16\text{mm}(5/8\text{in})$  or more, the wall hole should be  $90\text{mm}(3.54\text{in})$ .

### Outdoor Unit Dimension



### Installation Instruction

Install the unit by following local codes and regulations, there may be differ slightly between different regions.

