SUBMITTAL DATA SHEET

Series Name: Mini Split 29seer Series

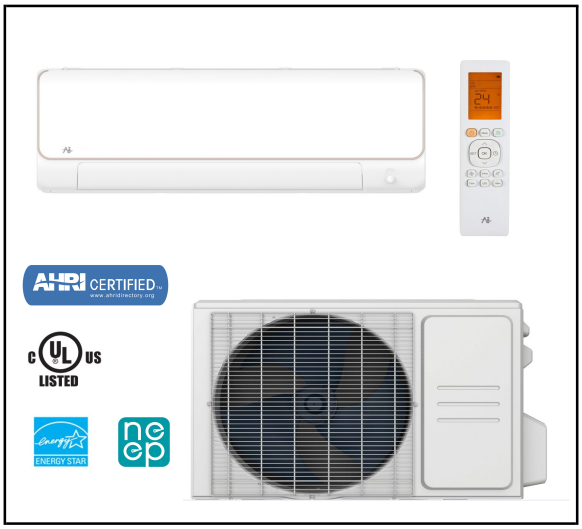
Model Number: AO29-12N1-M1H / AW29-12N1-M1

AI Air Conditioning

Wall Mounted Heat Pump System

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

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



INDOOR SPECIFICATION		
Indoor Air Flow (H/M/L) (CFM)		424/212/153
Indoor Noise Level (H/M/L) (dBA)		41/36.5/28
Dimension (W×D×H)	inch	40 x 9-3/4 x 12-5/8
	mm	1017.4 x 246.9 x 320
Package (W×D×H)	inch	43-1/8 x 12-3/4 x 15-3/4
	mm	1095 x 325 x 400
Net/Gross Weight	lbs	28/40
	kg	12.7/18

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Refrigerant		R410A
Factory Charge		500ml
Refrigerant Oil		RB75EA
Outdoor Air Flow (Max) (CFM)		1765
Outdoor Noise Level (dBA)		56.5
Dimension (W×D×H)	inch	35 x 13-1/2 x 26-1/2
	mm	890 x 342 x 673
Package (W×D×H)	inch	39-1/8 x 15-5/8 x 29-1/8
	mm	995 x 398 x 740
Net/Gross Weight	lbs	101/107
	kg	46/48.7

EFFICIENCY			
Cooling		Heating	
SEER2	27.5	HSPF2-4	14.5
EER2	14.3	COP	3.9

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated (Min/Max)	12000
Sebsible @ AHRI	2900~16900
Moisture Removal	0.594L/H (1.3pint/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

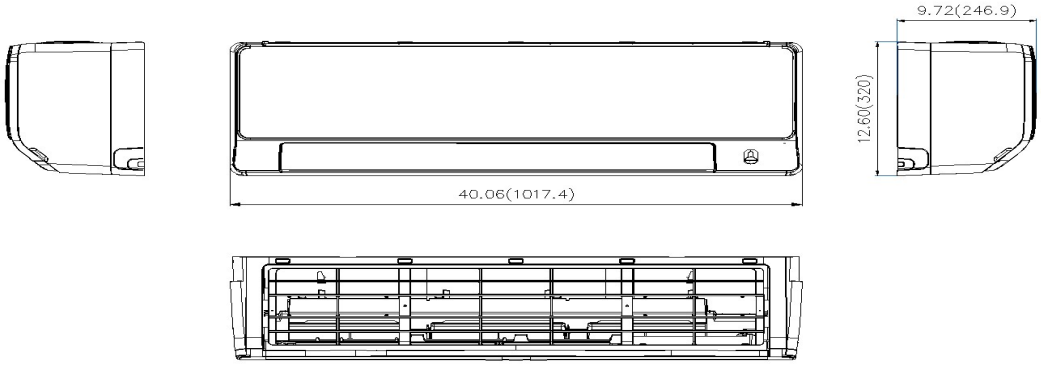
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated (Min/Max)	12000(5100~19000)
2. @ 17°F Rated	11400
3. @ 5°F Max: Capacity / COP	13500 / 1.86
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	Indoor: 70°F DB/60°F WB
Operating at Max. Frequency	Outdoor: 5°F DB/5°F WB

ELECTRICAL	
Power Supply	208/230V,1Ph,60Hz
System MCA	16
Connection Wiring	AWG 14-4
System MOCP	20
Compressor RLA	9.33
Outdoor Fan Motor RLA	0.8
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	0.4
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	839(185~1690)
System Power Input @ Heating (W)	901(400~1770)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

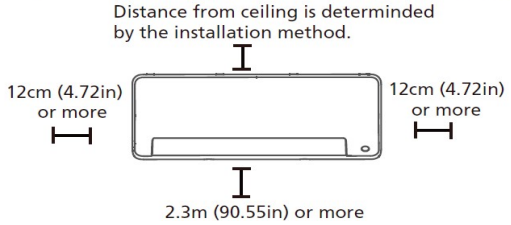
PIPING	
Liquid Size	1/4in (6.35mm)
Gas Size	1/2in (12.7mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	82ft (25m)
Max. Height Difference	32.8ft (10m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	52.91oz (1500g)
Additional Charge of Refrigerant	0.16oz/ft (15g/m)
Connection Method	Flared

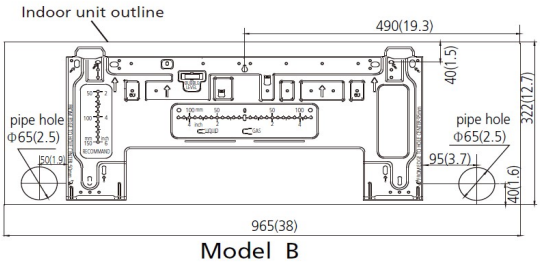
Indoor Unit Dimension



Installation Instruction

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

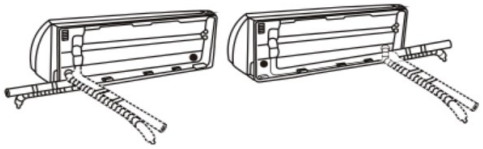




Model B

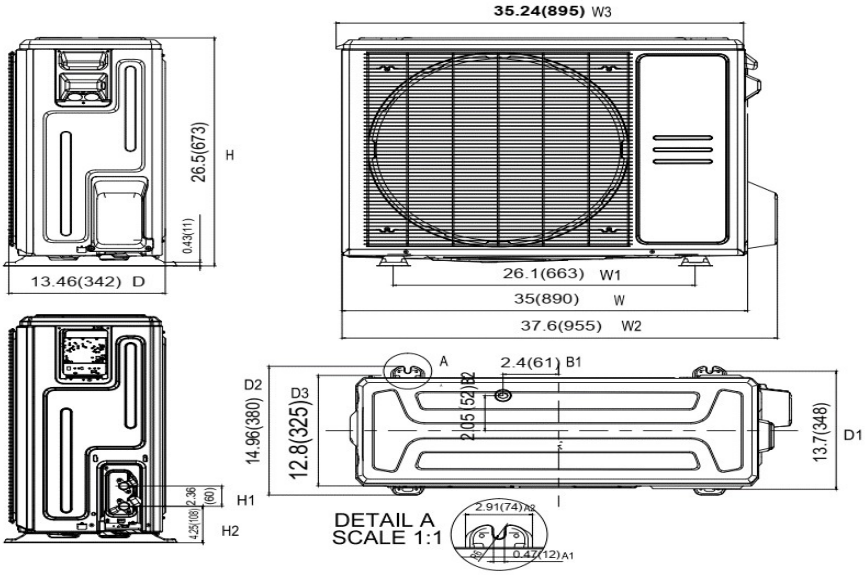
NOTE ON PIPING ANGLE

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



NOTE: When the gas side connective pipe is Φ 16mm(5/8in) or more, the wall hole should be 90mm(3.54in).

Outdoor Unit Dimension



Installation Instruction

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