SUBMITTAL DATA SHEET

Series Name: Mini Split 25seer Series

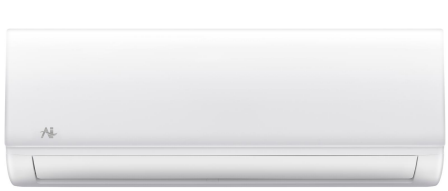
Model Number: AO25-06N1-M1H / AW25-06N1-M1

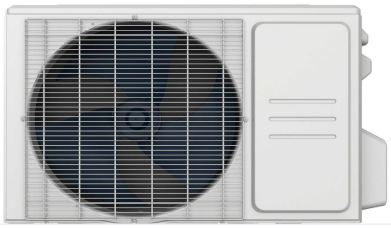
AI Air Conditioning

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)		294/247/176
Indoor Noise Level (H/M/L) (dBA)		38.5/33/20.5
Dimension (W×D×H)	inch	28-3/4 x 7-7/8 x 11-1/2
	mm	729 x 200 x 292
Package (W×D×H)	inch	31-1/8 x 10-5/8 x 14-3/4
	mm	790 x 270 x 375
Net/Gross Weight	lbs	18/22
	kg	8.0/10.2

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Refrigerant		R410A
Factory Charge		310ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1294
Outdoor Noise Level (dBA)		53.5
Dimension (W×D×H)	inch	30-1/8 x 11-7/8 x 21-7/8
	mm	765 x 303 x 555
Package (W×D×H)	inch	34-7/8 x 13-1/4 x 24
	mm	887 x 337 x 610
Net/Gross Weight	lbs	64/69
	kg	28.9/31.3

EFFICIENCY			
Cooling		Heating	
SEER2	23.5	HSPF2-4	12.0
EER2	15.0	COP	3.8

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	6000
Min/Max Capacity	2500~11800
Moisture Removal	0.35 L/H (0.7pint/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

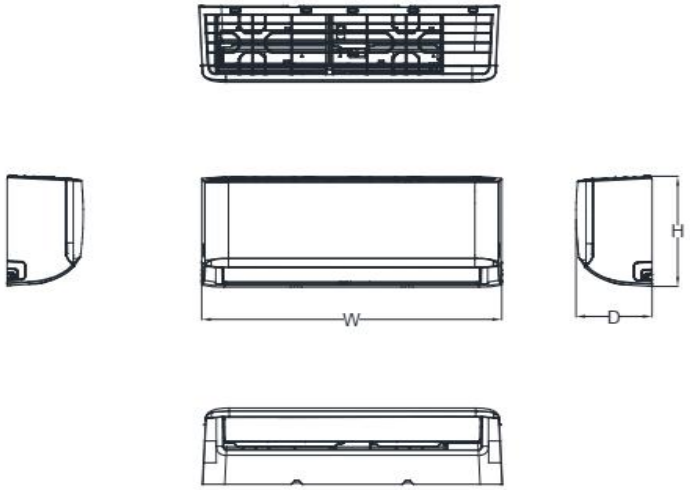
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated (Min/Max)	7000(3400~11230)
2. @ 17°F Rated	7500
3. @ 5°F Max: Capacity / COP	7100 / 1.84
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	13
Connection Wiring	AWG 14-4
System MOCP	15
Compressor RLA	6.4
Outdoor Fan Motor RLA	0.4
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.3
Indoor Fan Motor W	13
System Power Input @ Cooling (W)	408(155~985)
System Power Input @ Heating (W)	546(198~1500)
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	3/8in (9.52mm)
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	38.10oz (1080g)
Additional Charge of Refrigerant	0.16oz/ft (15g/m)
Connection Method	Flared

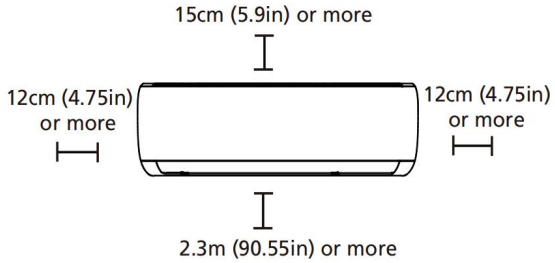
Indoor Unit Dimension

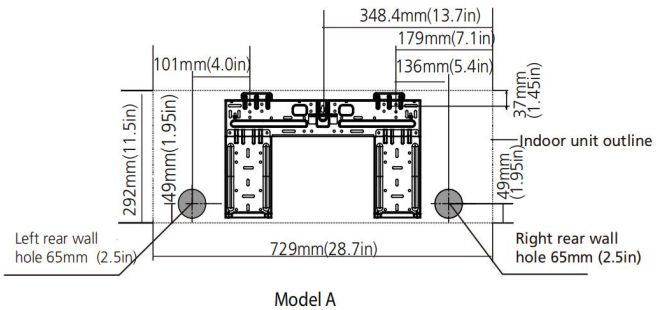


Capacity	Body Code	W(mm/inch)	D(mm/inch)	H(mm/inch)
6K~11K	A	729/28.7	200/7.87	292/11.5
8K~14K	B	802/31.57	200/7.87	295/11.61
12K~21K	C	971/38.23	228/8.98	321/12.64
18K~28K	D	1082/42.6	234/9.21	337/13.27
27K~36K	F	1259/49.57	283/11.14	362/14.25

Installation Instruction

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

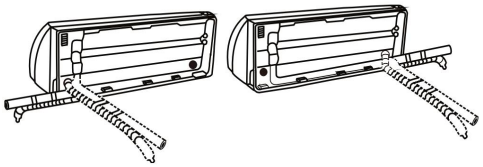




Model A

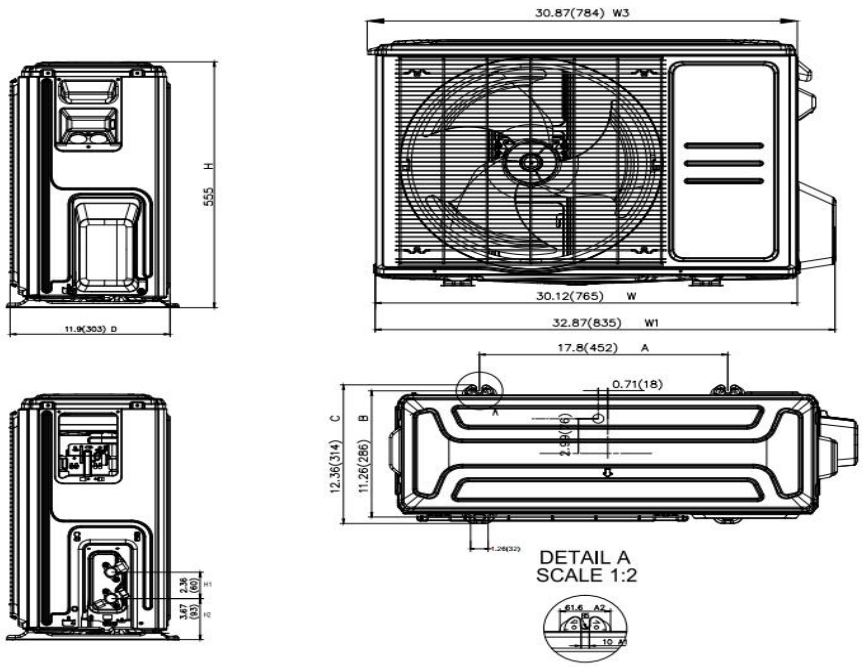
NOTE ON PIPING ANGLE

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.