

SUBMITTAL DATA SHEET



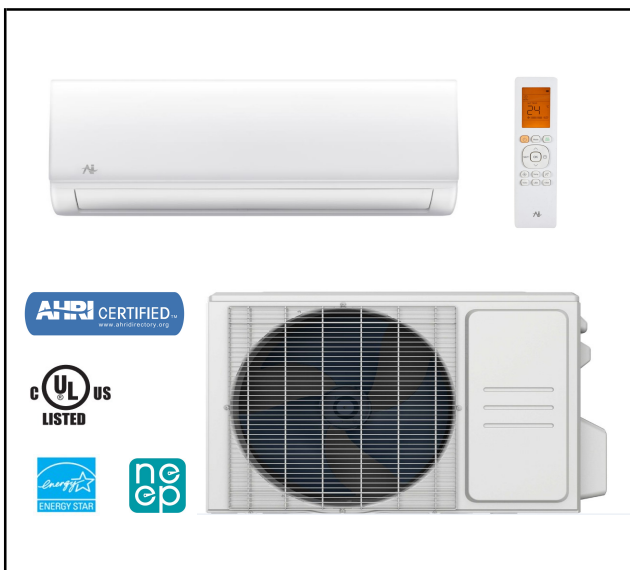
Series Name: **Mini Split 24seer Series**

Model Number: **AO24-09N1-M1H / AW25-09N1-M1**

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)	341/291/194	
Indoor Noise Level (H/M/L) (dBA)	40/34/23.5	
Dimension (WxDxH)	inch	31-5/8 x 7-7/8 x 11-5/8
	mm	802 x 200 x 295
Package (WxDxH)	inch	34-1/2 x 11-1/4 x 15
	mm	875 x 285 x 380
Net/Gross Weight	lbs	19/24
	kg	8.6/11

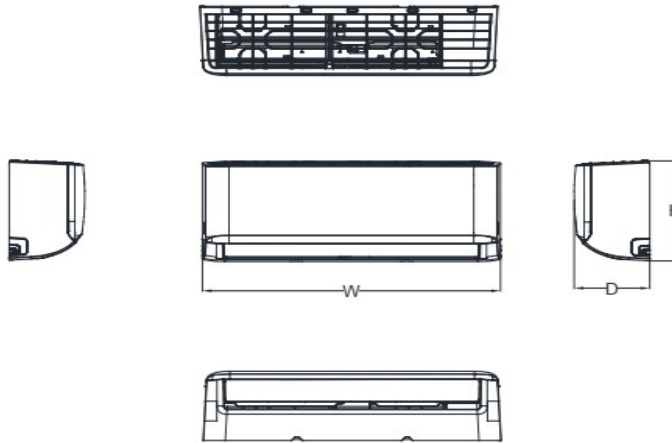
OUTDOOR SPECIFICATION		
Compressor Type	ROTARY	
Refrigerant	R410A	
Factory Charge	310ml	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1294	
Outdoor Noise Level (dBA)	53	
Dimension (WxDxH)	inch	30-1/8 x 11-7/8 x 21-7/8
	mm	765 x 303 x 555
Package (WxDxH)	inch	34-7/8 x 13-1/4 x 24
	mm	887 x 337 x 610
Net/Gross Weight	lbs	64/69
	kg	28.9/31.3

EFFICIENCY			
Cooling		Heating	
SEER2	24	HSPF2-4	11.6
EER2	14.7	COP	3.7
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated (Min/Max)	9000		
Sebsible @ AHRI	2500~11900		
Moisture Removal	1.249 L/H (2.6pint/H)		
Standard Operating Range	-13°F ~122°F (-25°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)	10000(3400~13000)		
2. @ 17°F Rated	8100		
3. @ 5°F Max: Capacity / COP	7500 / 2.25		
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	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	0.15
Indoor Fan Motor W	13
System Power Input @ Cooling (W)	612(155~985)
System Power Input @ Heating (W)	800(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	38.1oz (1080g)
Additional Charge of Refrigerant	0.16oz/ft (15g/m)
Connection Method	Flared

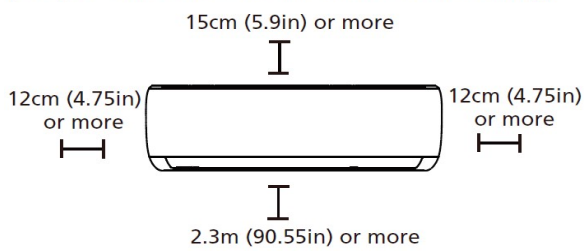
Indoor Unit Dimension



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

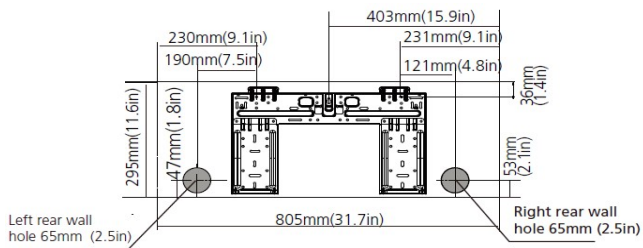
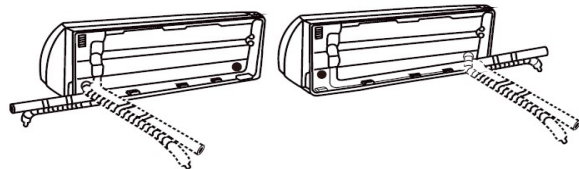
Installation Instruction

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



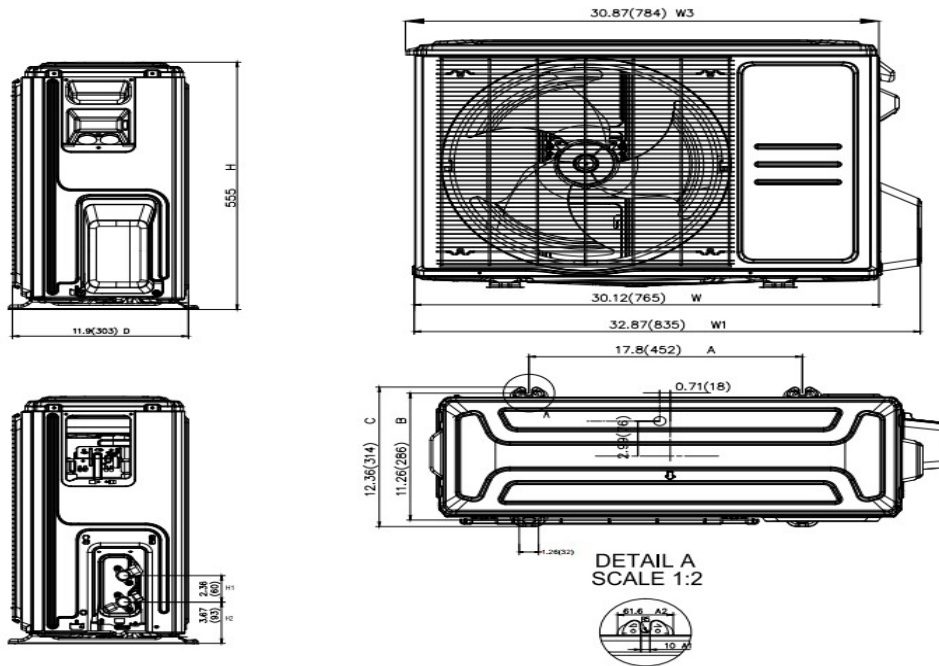
NOTE ON PIPING ANGLE

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.

