

# SUBMITTAL DATA SHEET

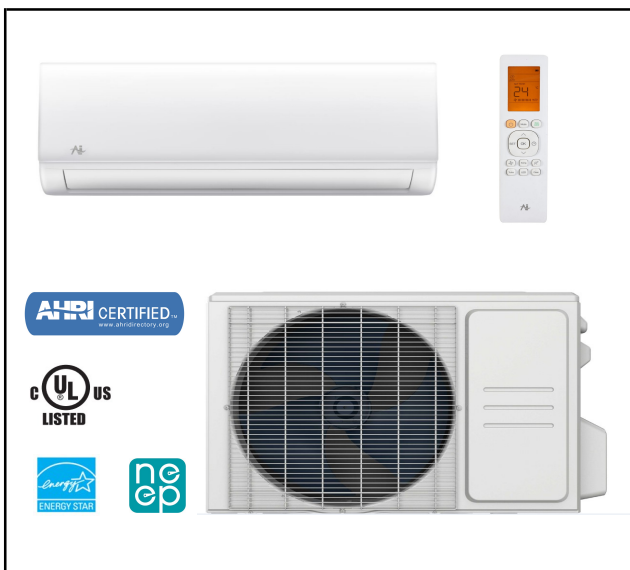


Series Name: Mini Split 25seer Series  
 Model Number: AO25-09N1-B1H / AW25-09N1-B1

## 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)		341/300/241
Indoor Noise Level (H/M/L) (dBA)		41.5/36/24
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

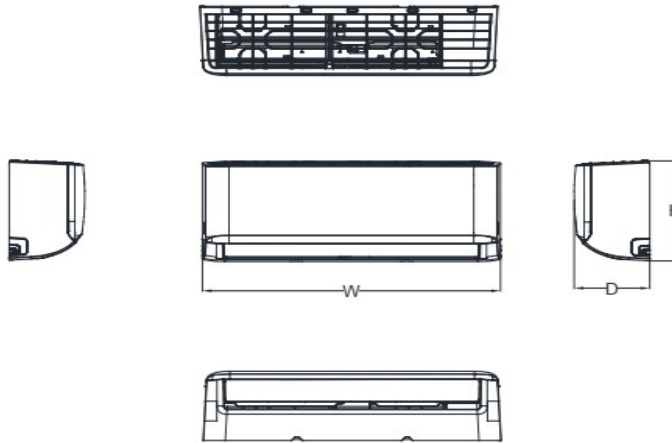
OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Refrigerant		R410A
Factory Charge		310ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		794.12
Outdoor Noise Level (dBA)		54
Dimension (WxDxH)	inch	30-1/8 x 11-7/8 x 21-7/8
	mm	765 x 303 x 555
Package (WxDxH)	inch	34-7/8 x 13-1/4 x 24
	mm	887 x 337 x 610
Net/Gross Weight	lbs	67/72
	kg	30.3/32.8

EFFICIENCY			
Cooling		Heating	
<b>SEER2</b>	23	<b>HSPF2-4</b>	9.8
<b>EER2</b>	13.8	<b>COP</b>	3.9
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
<b>Rated (Min/Max)</b>		9000	
<b>Sebsible @ AHRI</b>		3930~13200	
<b>Moisture Removal</b>		0.81 L/H (1.7pint/H)	
<b>Standard Operating Range</b>		-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)			
<b>1. @ 47°F Rated (Min/Max)</b>		10000(5000~12600)	
<b>2. @ 17°F Rated</b>		5900	
<b>3. @ 5°F Max: Capacity / COP</b>		6700 / 2.06	
<b>Standard Operating Range</b>		-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	115V,1Ph,60Hz
System MCA	19
Connection Wiring	AWG 14-4
System MOCP	20
Compressor RLA	11.46
Outdoor Fan Motor RLA	0.4
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.3
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	670(80~950)
System Power Input @ Heating (W)	750(290~1200)
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	39.51oz (1120g)
Additional Charge of Refrigerant	0.16oz/ft (15g/m)
Connection Method	Flared

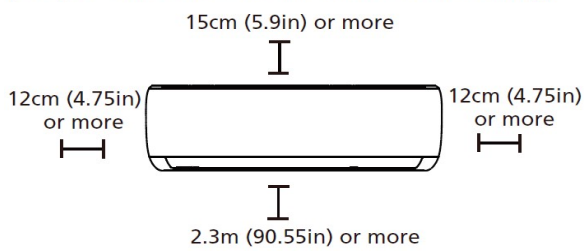
## Indoor Unit Dimension



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

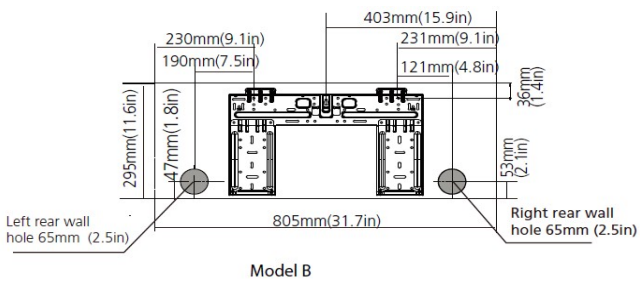
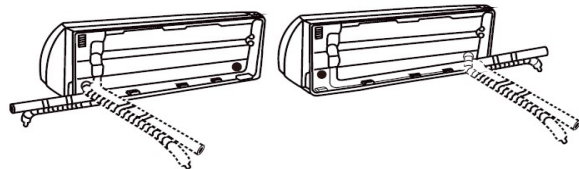
## Installation Instruction

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



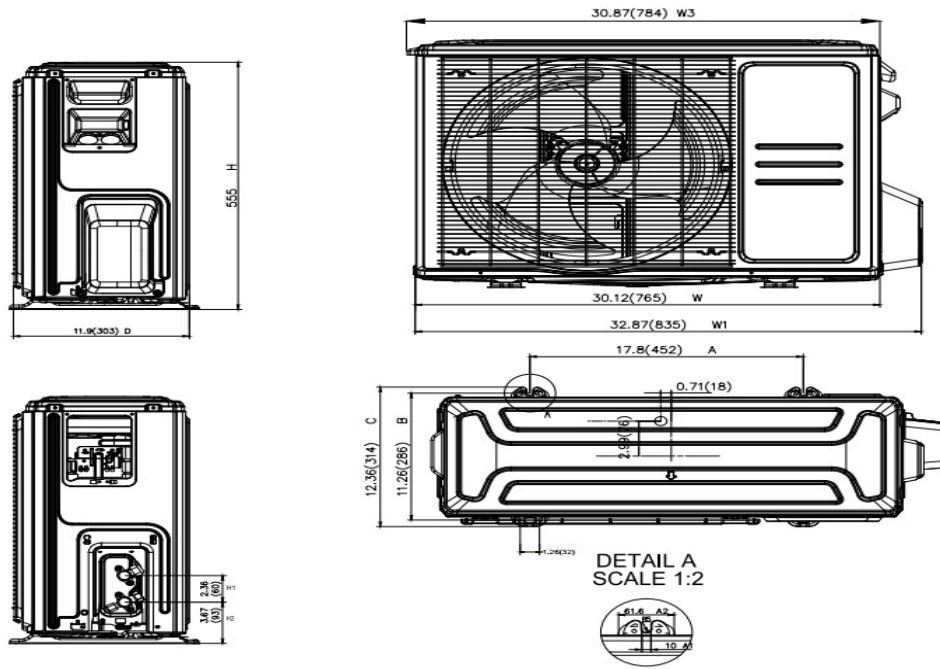
### NOTE ON PIPING ANGLE

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  $\Phi$  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.

