

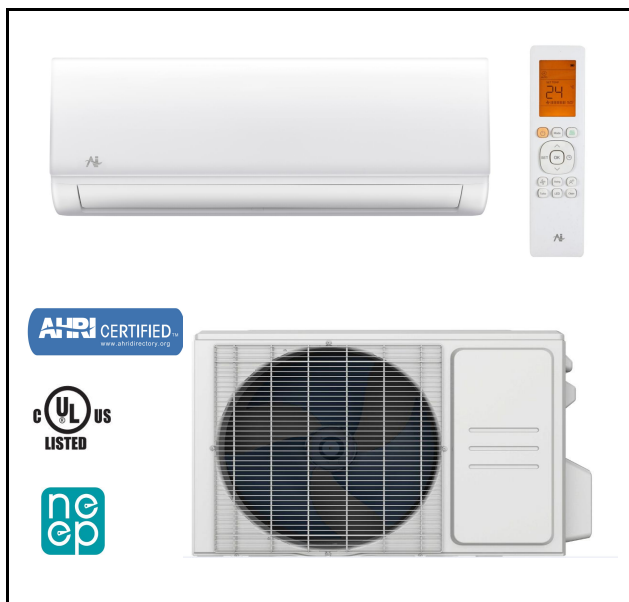
SUBMITTAL DATA SHEET



Series Name: **Mini Split 21seer Series**

Model Number: **AO21-09N1-B1 / AW21-09N1-B1**

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)	239/170/137
Indoor Noise Level (H/M/L) (dBA)	37.5/28/20
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 18/23
	kg 8.0/10.3

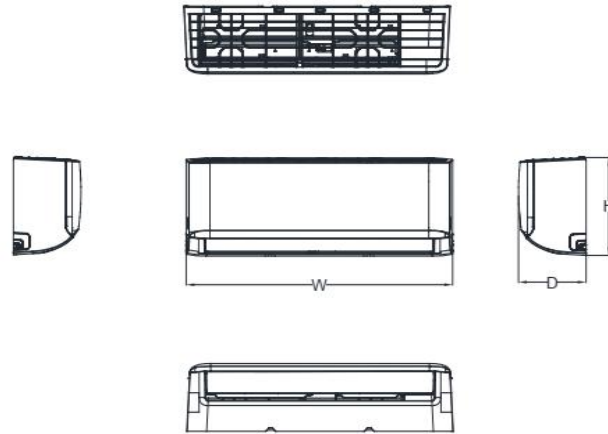
OUTDOOR SPECIFICATION	
Compressor Type	ROTARY
Refrigerant	R410A
Factory Charge	310ml
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1294
Outdoor Noise Level (dBA)	55
Dimension (W×D×H)	inch 30-1/8 x 11-7/8 x 21-7/8
	mm 765 x 303 x 555
Package (W×D×H)	inch 34-7/8 x 13-1/4 x 24
	mm 887 x 337 x 610
Net/Gross Weight	lbs 58/63
	kg 26.2/28.8

EFFICIENCY			
Cooling		Heating	
SEER2	21.5	HSPF2-4	9.1
EER2	12.5	COP	3.3
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated Capacity	9000		
Min/Max Capacity	2650~10300		
Moisture Removal	0.891 L/H (1.9pint/H)		
Standard Operating Range	5°F~122°F (-15°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(2700~10500)		
2. @ 17°F Rated	6300		
3. @ 5°F Max: Capacity / COP	7000 / 2.16		
Standard Operating Range	5°F~75°F (-15°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	20
Connection Wiring	AWG 14-4
System MOCP	20
Compressor RLA	14
Outdoor Fan Motor RLA	0.3
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.2
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	720(245~950)
System Power Input @ Heating (W)	900(220~1200)
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	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	25.4oz (720g)
Additional Charge of Refrigerant	0.16oz/ft (15g/m)
Connection Method	Flared

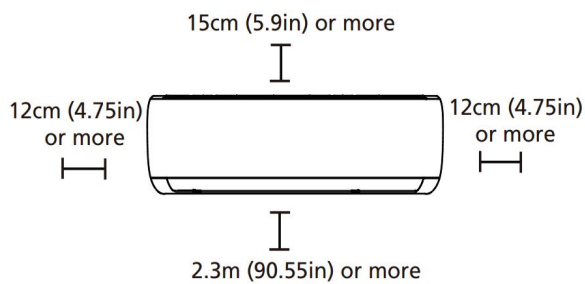
Indoor Unit Dimension



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

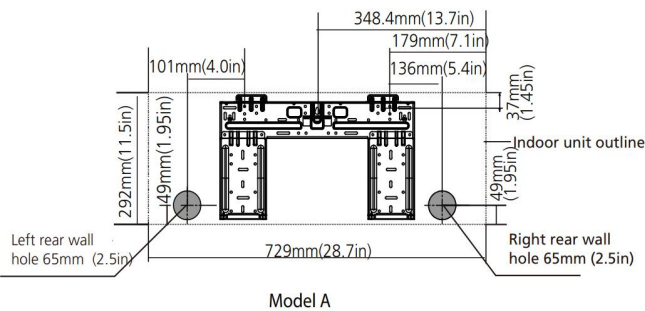
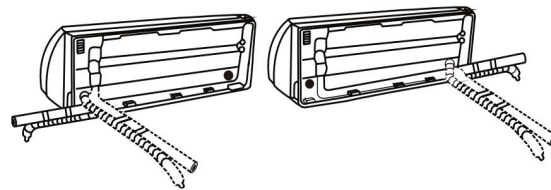
Installation Instruction

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



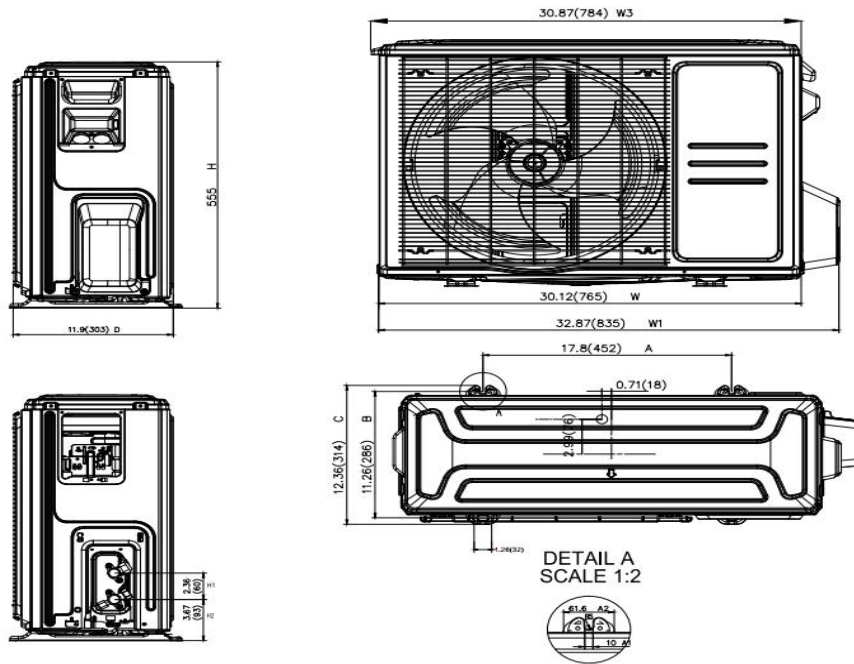
NOTE ON PIPING ANGLE

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.

