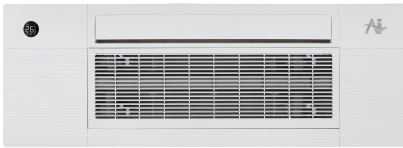




Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

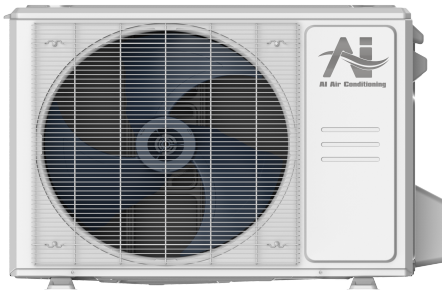
Model Number: AO25-18N2-M1H / A1C-18N2-M1

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



INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/S) (CFM)	400/352/300/207/207	
Indoor Noise Level (T/H/M/L/S) (dBA)	44/44/42/31/26	
Dimension (W×D×H)	inch	50-3/8 x 13-1/4 x 9
	mm	1278 x 335 x 228
Package (W×D×H)	inch	57-5/8 x 22-1/2 x 22-5/8
	mm	1463 x 571 x 575
Net/Gross Weight	lbs	45/83
	kg	20.5/37.6



OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Refrigerant	R454B	
Factory Charge	620ml	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1765.8	
Outdoor Noise Level (dBA)	59.0	
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	100/108
	kg	45.3/48.9

EFFICIENCY

Cooling		Heating	
SEER2	20.6	HSPF2-4	12.2
EER2	12.5	COP	3.0

PERFORMANCE of Cooling

Cooling (Btu/hr)

Rated Capacity	16700
Min/Max Capacity	5700~19000
Moisture Removal	2.1
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)

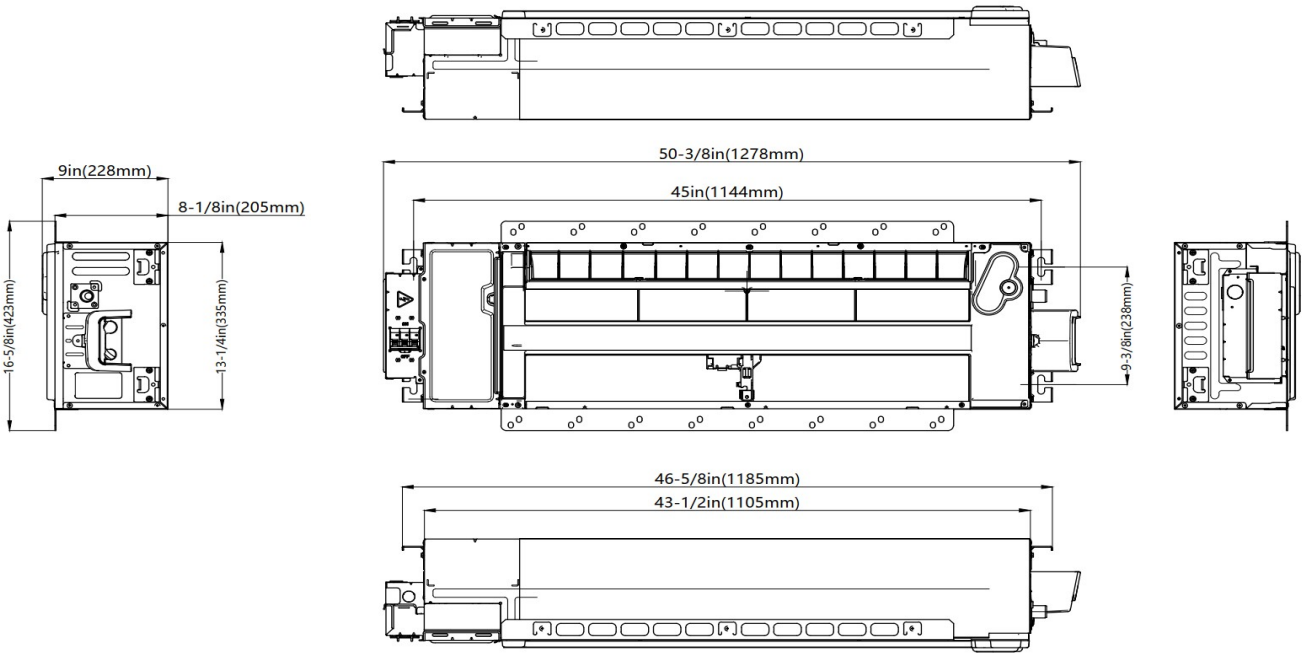
1. @ 47°F Rated (Min/Max)	20000(8900~22000)
2. @ 17°F Rated	14500
3. @ 5°F Max: Capacity / COP	17500/1.89
Standard Operating Range	-22°F~75°F (-30°C~24°C)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	19
Connection Wiring	AWG 14-4
System MOCP	20
Compressor RLA	11.7
Outdoor Fan Motor RLA	0.9
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	1.2
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	1337(550 ~ 1700)
System Power Input @ Heating (W)	1950(850 ~ 1990)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

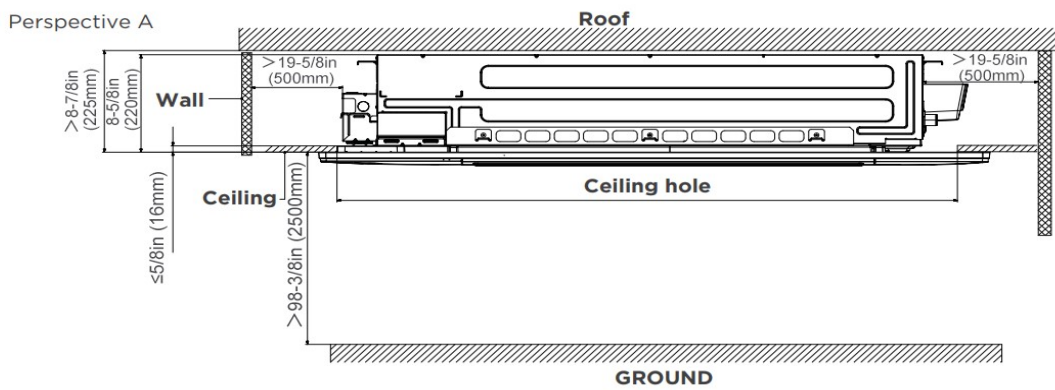
PIPING

Liquid Size	1/4in (6.35mm)
Gas Size	1/2in (12.7mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	98.4ft (30m)
Max. Height Difference	65.6ft (20m)
Max. Pre-charged Length	24.6ft (7.5m)
Refrigerant Pre-charged Amount	55.38oz (1570g)
Additional Charge of Refrigerant	0.16oz/ft (15g/m)
Connection Method	Flared

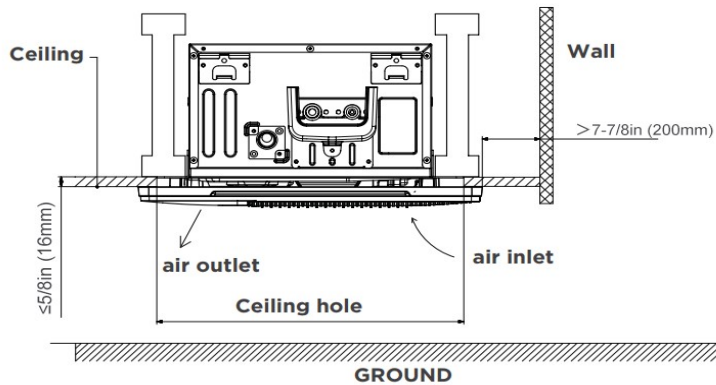


Installation place

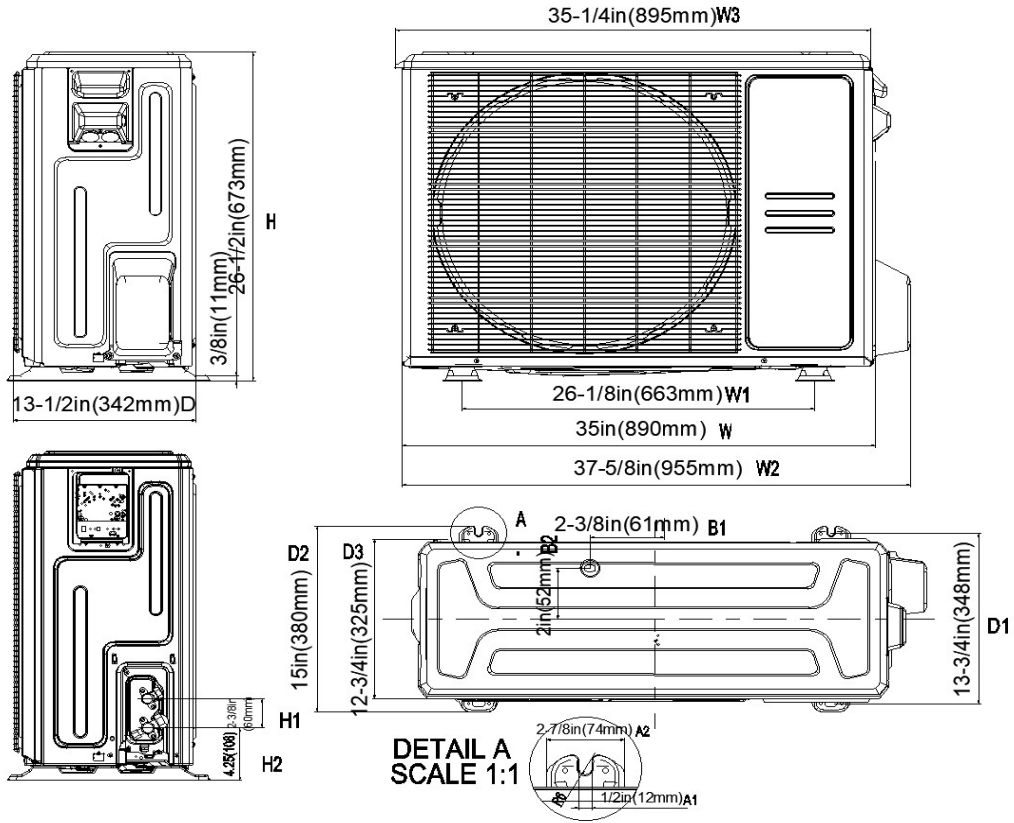
(unit: inch/mm)



Perspective B



Outdoor Unit Dimension



Installation Instruction



☑ Meets all special requirements shown in Installation Clearance Requirements above.

Features

- Designed to fit for both I-joist spacing and traditional joist spacing
- Elevated panel
- Refrigerant leakage detector(Optional)
- Humidity sensor
- Built-in water pump
- Built-in circuit breaker
- 1~100% stepless adjustable fan speed setting
- WiFi capability: through WiFi module or wired controller with WiFi function
- OTA function: can upgrade the program version anytime
- 2-pin connector(HA/HB) for programmable wired controller
- Multiple controller options available:
 - Optional two way communication wired controller, programmable:120N(X6)
 - Optional two way communication wired controller, programmable, with built-in WiFi, :120N(X6W)
 - Optional Infrared wired controller: 120L
 - Standard Wireless remote controller
 - Optional 24V interface kit, can connect with Third-Party 24V Thermostat