



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

Model Number: ASO24-36N2-M2 / AC-36N2-M1

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



INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/S) (CFM)	1042/948/854/753/659	
Indoor Noise Level (T/H/M/L/S) (dBA)	54/53/47/40/37	
Dimension (W×D×H)	inch	32-5/8 x 32-5/8 x 9-5/8
	mm	830 x 830 x 245
Package (W×D×H)	inch	35-7/8 x 35-7/8 x 11-3/8
	mm	910 x 910 x 290
Net/Gross Weight	lbs	59/71
	kg	26.9/32.4

OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Refrigerant	R454B	
Factory Charge	1000ml	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	2413.3	
Outdoor Noise Level (dBA)	63.0	
Dimension (W×D×H)	inch	37-1/4 x 16-1/8 x 31-7/8
	mm	946 x 410 x 810
Package (W×D×H)	inch	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	152/162
	kg	69.1/73.7

EFFICIENCY

Cooling		Heating	
SEER2	20.0	HSPF2-4	10.3
EER2	9.6	COP	3.3

PERFORMANCE of Cooling

Cooling (Btu/hr)

Rated Capacity	36000
Min/Max Capacity	6400~39800
Moisture Removal	4.2
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)	38000(14400~42200)
2. @ 17°F Rated	26800
3. @ 5°F Max: Capacity / COP	26600/2.20
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

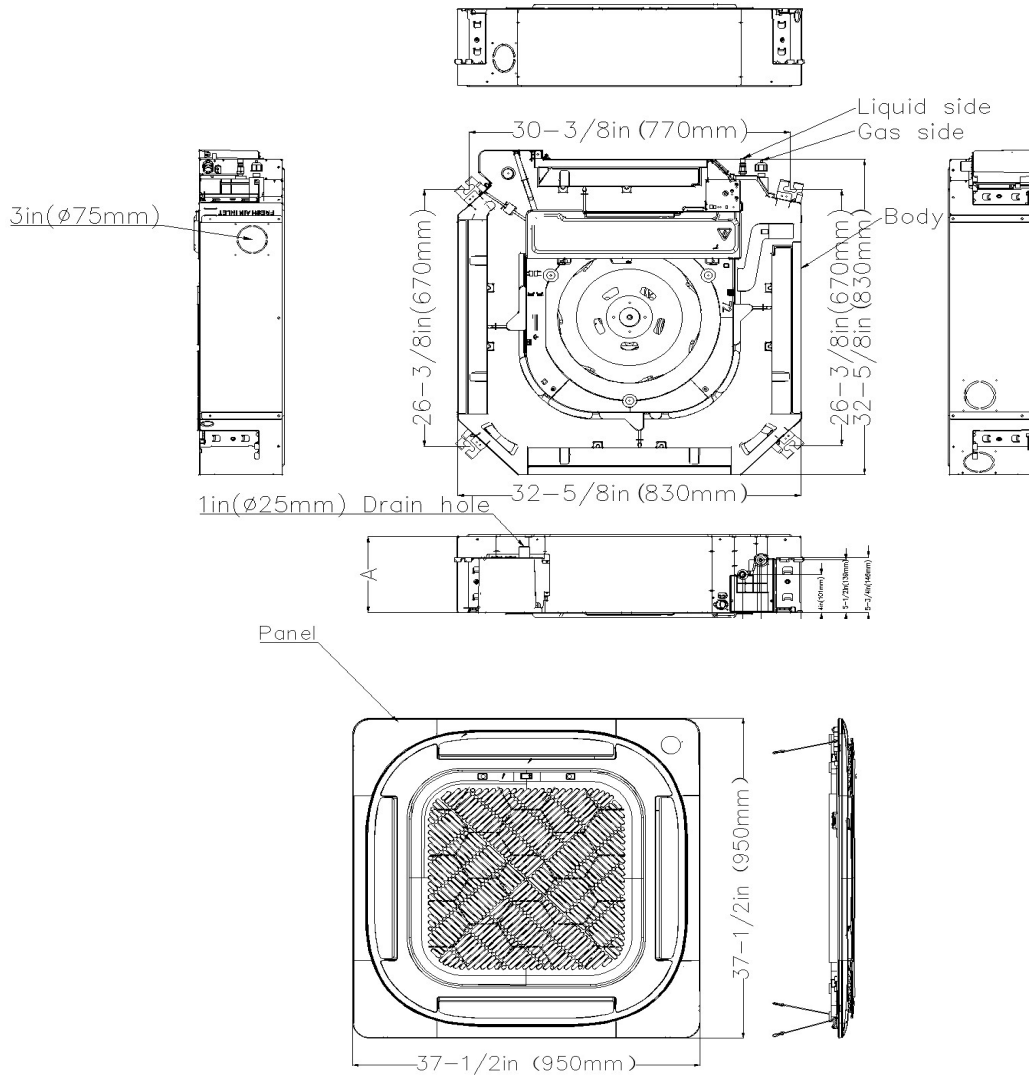
ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	33
Connection Wiring	AWG 14-4
System MOCP	35
Compressor RLA	21.5
Outdoor Fan Motor RLA	1.4
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	125
System Power Input @ Cooling (W)	3720(560 ~ 4360)
System Power Input @ Heating (W)	3365(840 ~ 3580)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

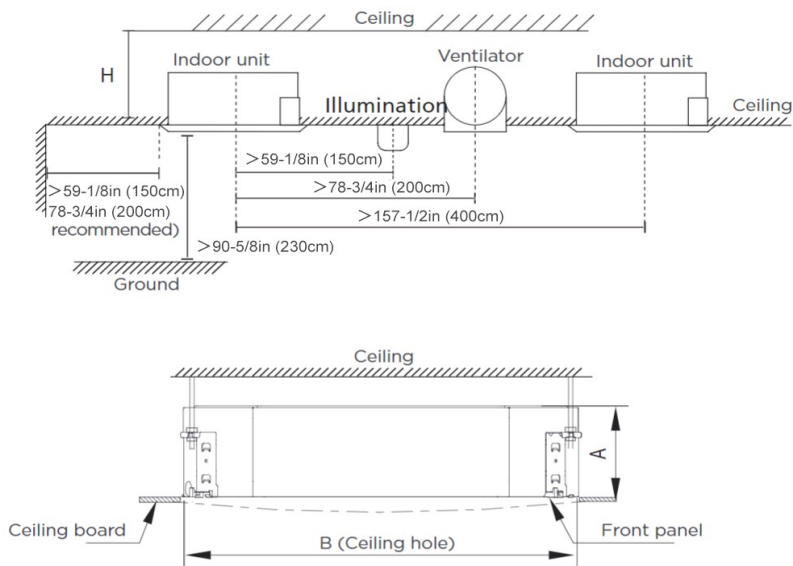
PIPING

Liquid Size	3/8in (9.52mm)
Gas Size	3/4in (19mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	246ft (75m)
Max. Height Difference	98.4ft (30m)
Max. Pre-charged Length	24.6ft (7.5m)
Refrigerant Pre-charged Amount	91.71oz (2600g)
Additional Charge of Refrigerant	0.32oz/ft (30g/m)
Connection Method	Flared

Indoor Unit Dimension



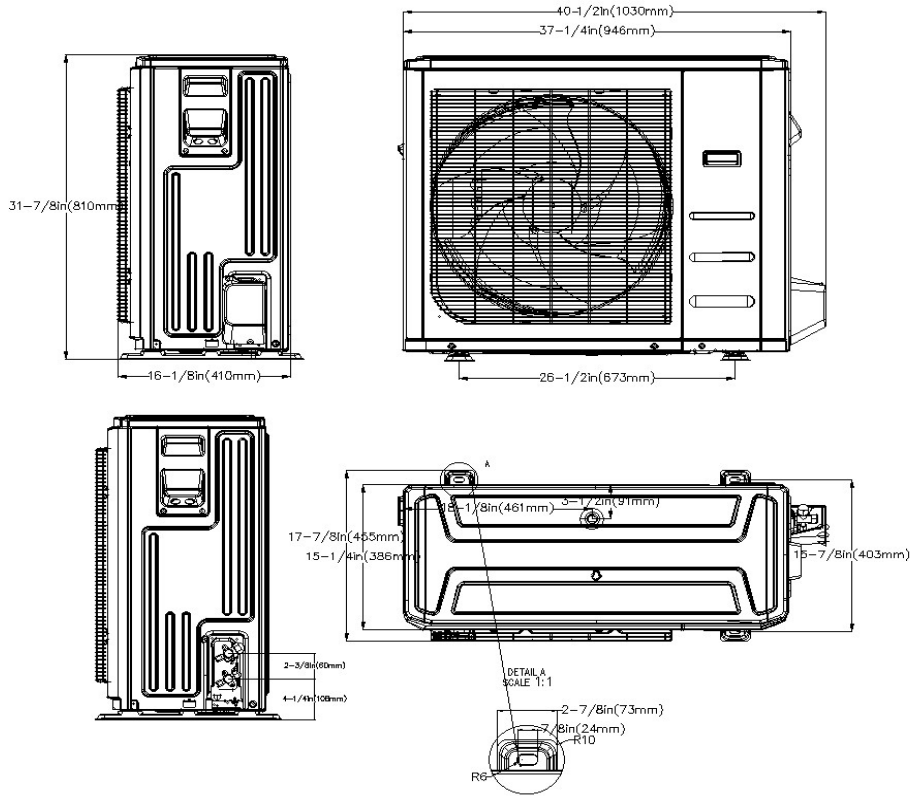
Installation Instruction



Distance from ceiling relative to height of indoor unit

MODEL	Length of A	Length of H	Length of B
9K/12K/18K	9-5/8 in (245mm)	>10-7/8 in (275mm)	23-5/8 in (600mm)
24K	8-1/8 in (205mm)	9 in (230mm)	
36K	9-5/8 in (245mm)	10-5/8 in (271mm)	35-3/8 in (900mm)
48K	11-1/4 in (287mm)	12-3/8 in (313mm)	

Outdoor Unit Dimension



Installation Instruction



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

Features

- 360° Air Flow
- Built-in remote on-off and alarm terminals
- Refrigerant leakage detector(Optional)
- Humidity sensor
- Built-in water pump
- 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