SUBMITTAL DATA SHEET

INNOVA Regular Heat with 2nd. Gen AHU Lite

Model Number: AUO17-24N2-M3 / AUL2-24N2-BW3E

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

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

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/S) (CFM)		824 / 759 / 695 / 630 / -
Indoor Noise Level (T/H/M/L/S) (dBA)		49 / 46 / 44 / 40 / N\A
Dimension (W×D×H)	inch	21× 17-1/2 × 45
	mm	534 × 445 × 1143
Package (W×D×H)	inch	26-5/8 × 20-7/8 × 48-5/8
	mm	675 × 530 × 1235
Net/Gross Weight	lbs	105 / 127
	kg	47.7 / 57.4

OUTDOOR SPECIFICATION		
Compressor Type		TWIN-ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Factory Charge		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1451.0
Outdoor Noise Level (dBA)		53.2
Dimension (W×D×H)	inch	30-3/4 × 13 × 21-3/4
	mm	805 × 330 × 554
Package (W×D×H)	inch	36 × 14-5/8 × 24-1/4
	mm	915 × 370 × 615
Net/Gross Weight	lbs	79 / 86
	kg	36.0 / 38.8

EFFICIENCY			
Cooling		Heating	
SEER2	16.4	HSPF2-4	8.7
EER2	8.0	COP	3.0

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	23000
Min/Max Capacity	7,300~23,500
Moisture Removal	2.2
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

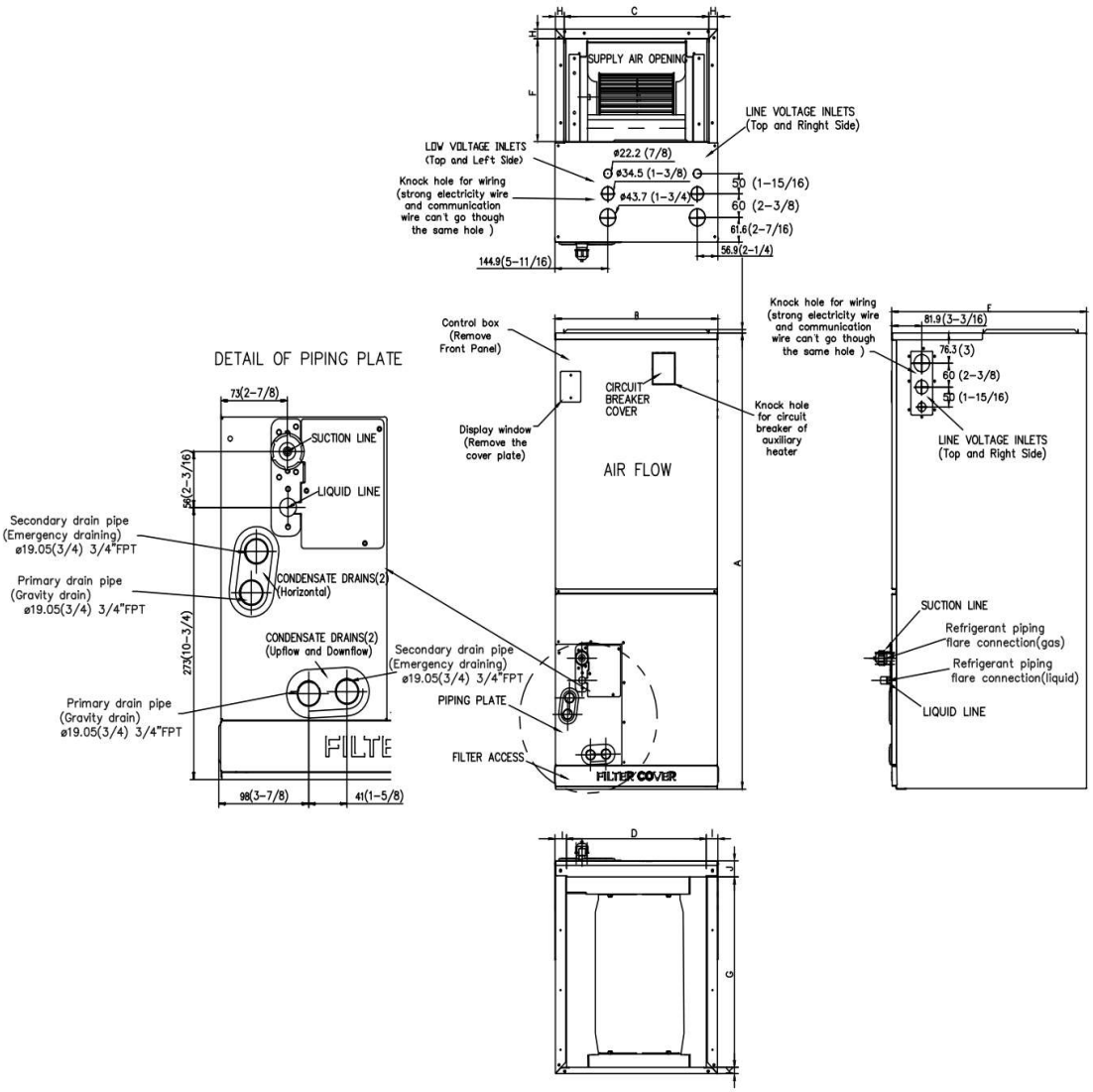
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated (Min/Max)	23000(8,100~25,400)
2. @ 17°F Rated	17100
3. @ 5°F Max: Capacity / COP	16300/1.78
Standard Operating Range	-13°F~75°F (-25°C~24°C)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	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	
Indoor Power Supply	115/208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	4.4/3.0
Indoor MOP	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	20
Outdoor MOP	25
Connection Wiring	AWG 20-2
Compressor RLA	15
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	4.4/3.0
Indoor Fan Motor W	250
System Power Input @ Cooling (W)	2857(540 ~ 3,264)
System Power Input @ Heating (W)	2250(525 ~ 2,600)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8in (9.52mm)
Gas Size	3/4in (19mm)
Max. Piping Length	164ft (50m)
Max. Height Difference	82ft (25m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	67.2oz (1.9kg)
Additional Charge of Refrigerant	0.7oz/ft (65g/m)
Connection Method	Flared*

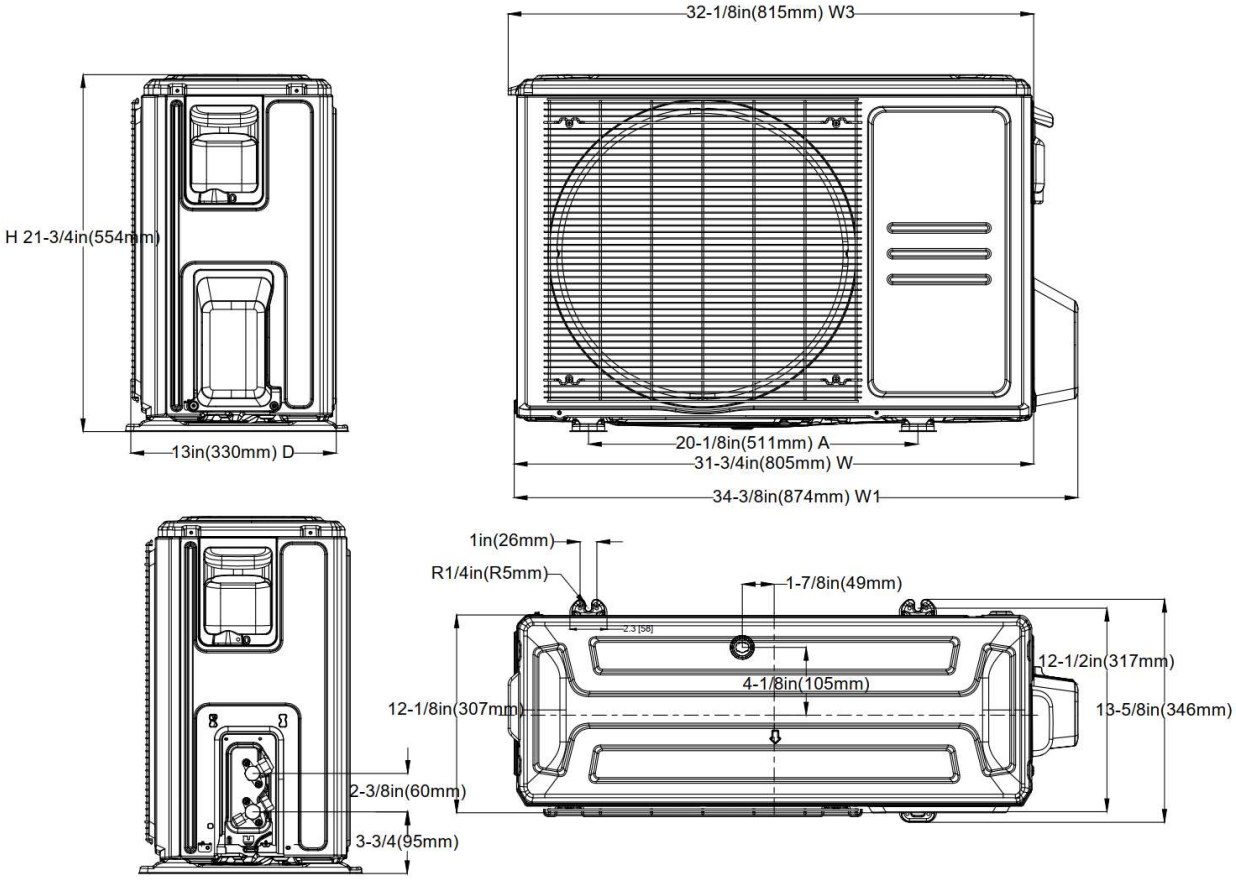
*The gas valve of the outdoor unit is 1/2", 1/2" to 3/4" flare to flare connector is required for the installation.

Indoor Unit Dimension

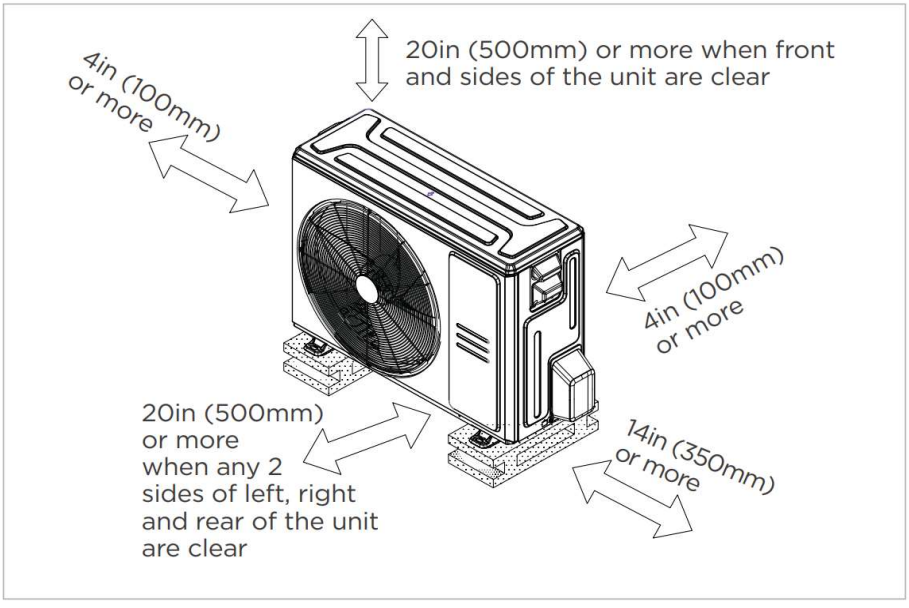


Dimensions / Model		18/24/30k		36/48/60k	
		inch	mm	inch	mm
A	Model Height	45	1143	49	1245
B	Model Width	17-1/2	445	21	534
C	Supply Air Opening Width	15-5/8	397	19-1/8	486
D	Return Air Opening Width	15-1/8	384	18-5/8	473
E	Model Depth	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260
G	Return Air Opening Depth	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16

Outdoor Unit Dimension

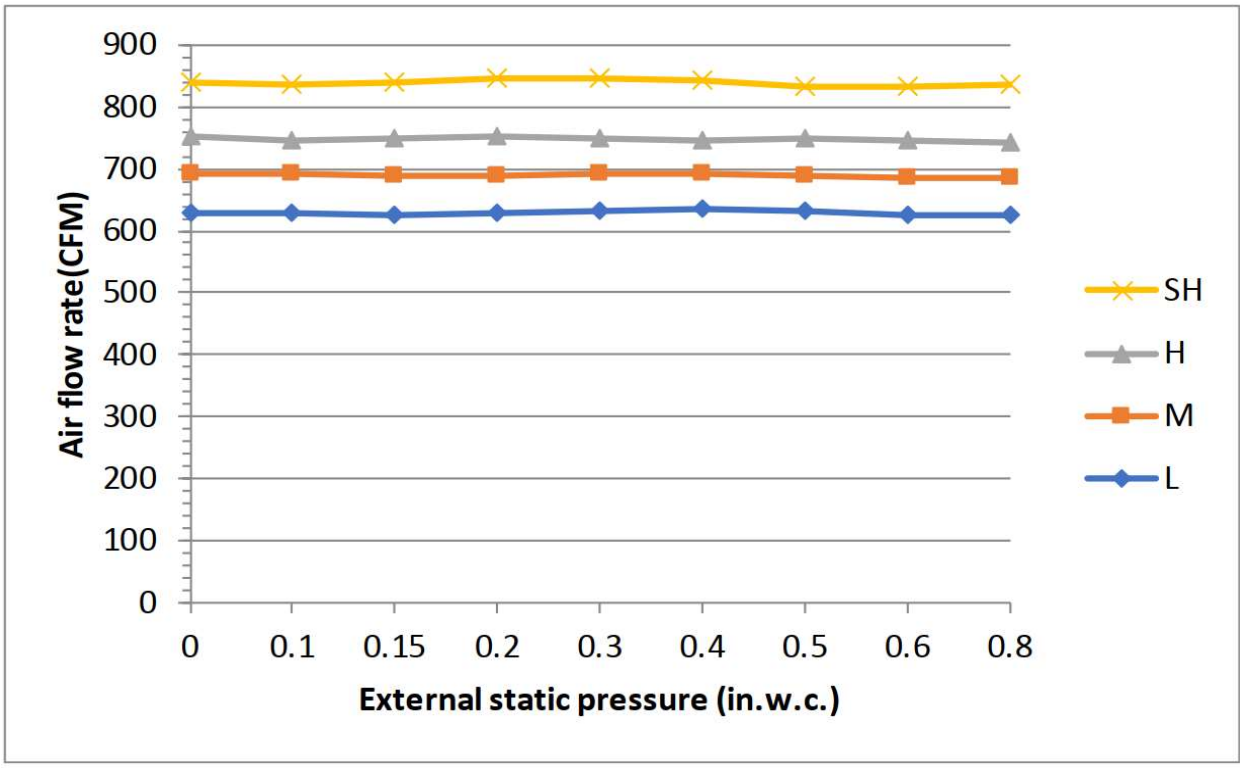


Installation Instruction



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

Fan Performance For Indoor Unit



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency(optional)
- Optional Auxiliary heat kit up to 20kW
- Easy Maintenance
- Multiple control options available:
  - Two way communication wired controller:120N(X6)
  - Two way communication wired controller with built-in WiFi:120N(X6W)
  - Wireless remote controller
  - Third-Party 24V Thermostat
- Adaptive Control System
- High efficiency up to 17.6 SEER2, 9.5 EER2, 9.2 HSPF2
- Chassis heater and crankcase heater equipped as standard