SUBMITTAL DATA SHEET

INNOVA Regular Heat with 2nd. Gen AHU Lite

Model Number: AUO17-48N2-M3 / AUL2-48N2-CW3E

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

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

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/S) (CFM)		1601 / 1398 / 991 / 594 / N\A
Indoor Noise Level (T/H/M/L/S) (dBA)		N\A / 52 / 48 / 44 / N\A
Dimension (W×D×H)	inch	21 × 21 × 49
	mm	534 × 534 × 1245
Package (W×D×H)	inch	26-5/8 × 24-3/8 × 52-1/4
	mm	675 × 620 × 1335
Net/Gross Weight	lbs	133 / 158
	kg	60.5 / 71.5

OUTDOOR SPECIFICATION		
Compressor Type		TWIN-ROTARY
Compressor Model		KTF420D62UNT
Refrigerant		R454B
Factory Charge		1000
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2825.0
Outdoor Noise Level (dBA)		60.6
Dimension (W×D×H)	inch	37-1/4 × 16-1/8 × 31-7/8
	mm	946 × 410 × 810
Package (W×D×H)	inch	42-7/8 × 19-5/8 × 34-7/8
	mm	1090 × 500 × 885
Net/Gross Weight	lbs	168 / 179
	kg	76.4 / 81.3

EFFICIENCY			
Cooling		Heating	
SEER2	15.2	HSPF2-4	8.1
EER2	8.0	COP	2.3

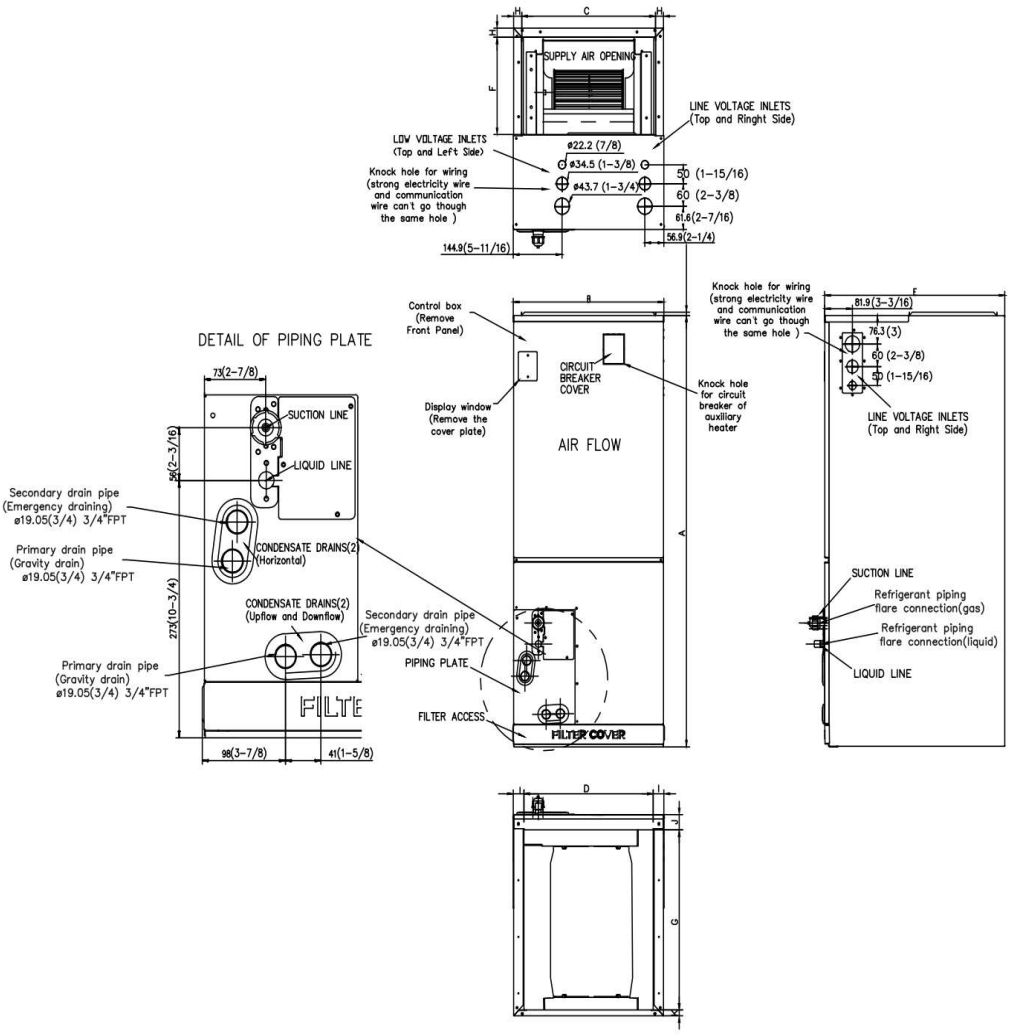
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	48000
Min/Max Capacity	9,100~50,100
Moisture Removal	5.28
Standard Operating Range	-13°F~122°F (-25°C~50°C)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated (Min/Max)	48000(11,300~52,600)
2. @ 17°F Rated	33800
3. @ 5°F Max: Capacity / COP	33600/1.85
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)	5.0/8.0
Indoor MOP	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	32
Outdoor MOP	35
Connection Wiring	AWG 20-2
Compressor RLA	24
Outdoor Fan Motor RLA	1.5
Outdoor Fan Motor W	230
Indoor Fan Motor RLA	4.0/6.4
Indoor Fan Motor W	560
System Power Input @ Cooling (W)	6132(830 ~ 6,450)
System Power Input @ Heating (W)	6210(760 ~ 6,670)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

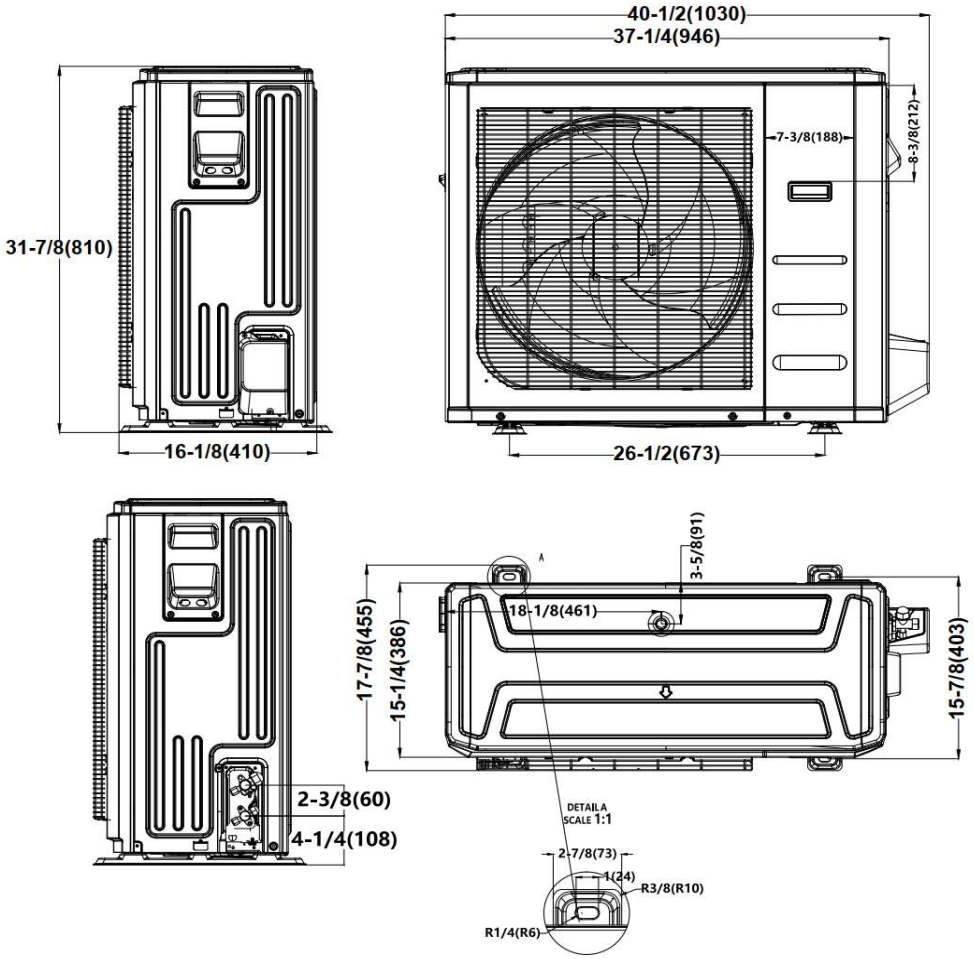
PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8in (9.52mm)
Gas Size	3/4in (19mm)
Max. Piping Length	246ft (75m)
Max. Height Difference	98ft (30m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	98.9oz (2.8kg)
Additional Charge of Refrigerant	0.7oz/ft (65g/m)
Connection Method	Flared*

Indoor Unit Dimension

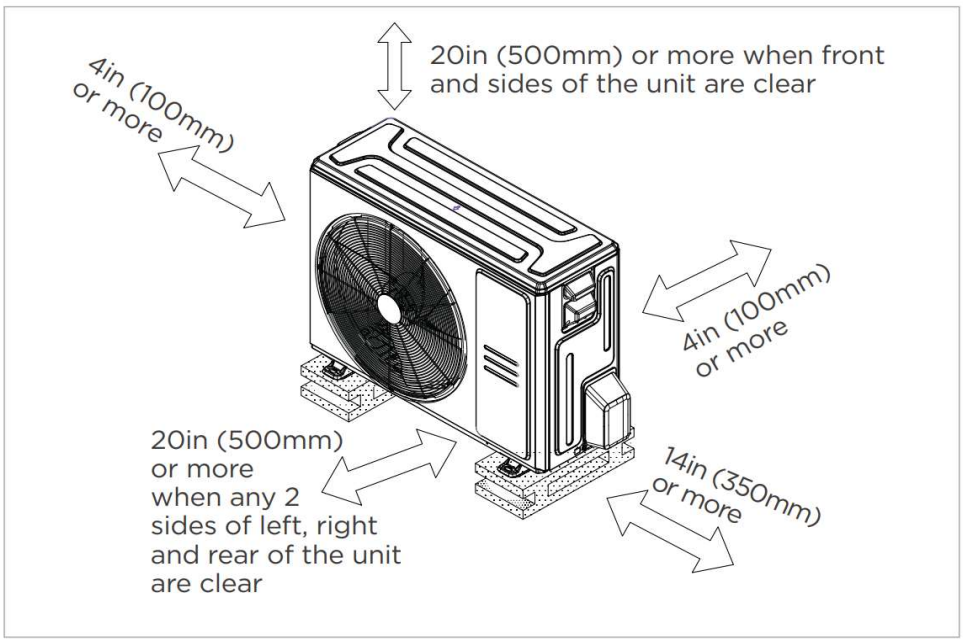


Dimensions / Model		18/24/30k		36/48/60k	
		inch	mm	inch	mm
A	Model Height	45	1143	49	1245
B	Model Width	17-1/2	445	21	534
C	Supply Air Opening Width	15-5/8	397	19-1/8	486
D	Return Air Opening Width	15-1/8	384	18-5/8	473
E	Model Depth	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260
G	Return 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

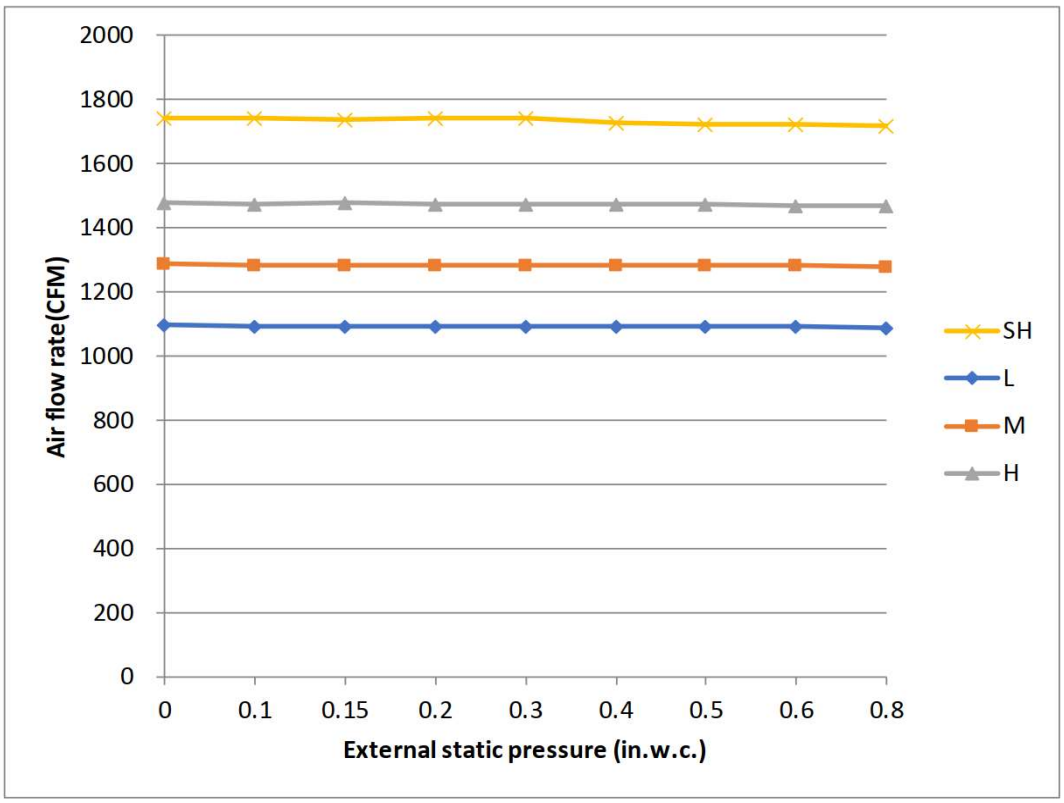


Installation Instruction



☑ 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