SUBMITTAL DATA SHEET

INNOVA Regular Heat with 2nd Gen. AHU

Model Number: AUO18-30N2-M3 / AUH2-30N2-CM3E

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

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

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/S) (CFM)		989/895/806/712/712
Indoor Noise Level (T/H/M/L/S) (dBA)		46/46/42/29/29
Dimension (W×D×H)	inch	21 x 21 x 49
	mm	534 x 534 x 1245
Package (W×D×H)	inch	26-5/8 x 24-3/8 x 52-1/2
	mm	675 x 620 x 1335
Net/Gross Weight	lbs	129/153
	kg	58.5/69.6

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Refrigerant		R454B
Factory Charge		670ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		3001.8
Outdoor Noise Level (dBA)		60.0
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	142/152
	kg	64.3/69.1

EFFICIENCY			
Cooling		Heating	
SEER2	17.0	HSPF2-4	8.5
EER2	10.7	COP	3.5

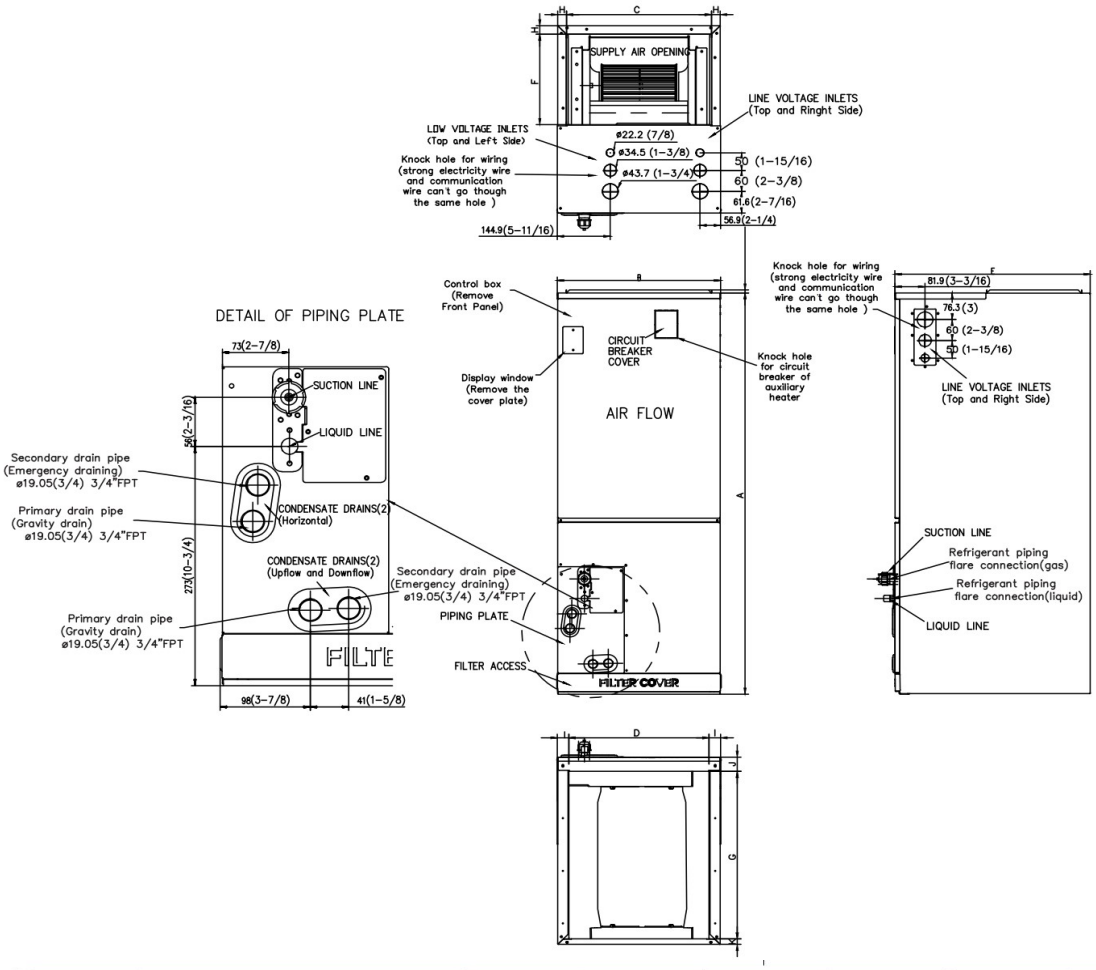
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	30000
Min/Max Capacity	10400~34000
Moisture Removal	3.57
Standard Operating Range	-13°F~122°F (-25°C~50°C)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated (Min/Max)	31000(6400~32000)
2. @ 17°F Rated	18500
3. @ 5°F Max: Capacity / COP	19100/2
Standard Operating Range	-13℉~75℉ (-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)	8.0/6.0
Indoor MOP	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	22.5
Outdoor MOP	25
Communication Wiring	AWG 20-2
Compressor RLA	17
Outdoor Fan Motor RLA	1.1
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	4.5
Indoor Fan Motor W	375
System Power Input @ Cooling (W)	2778(735 ~ 3230)
System Power Input @ Heating (W)	2595(455 ~2550)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

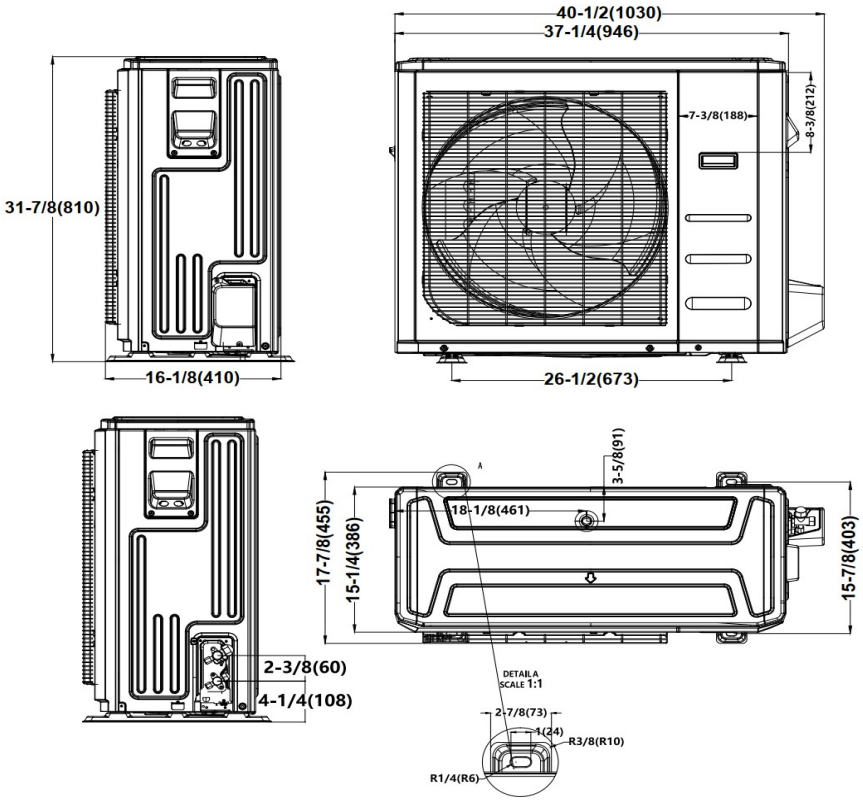
PIPING	
Liquid Size	3/8in (9.52mm)
Gas Size	3/4iin (19mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	164ft (50m)
Max. Height Difference	82ft (25m)
Max. Pre-charged Length	24.6ft (7.5m)
Refrigerant Pre-charged Amount	91.71oz (2600g)
Additional Charge of Refrigerant	0.7oz/ft (65g/m)
Connection Method	Flared

Indoor Unit Dimension

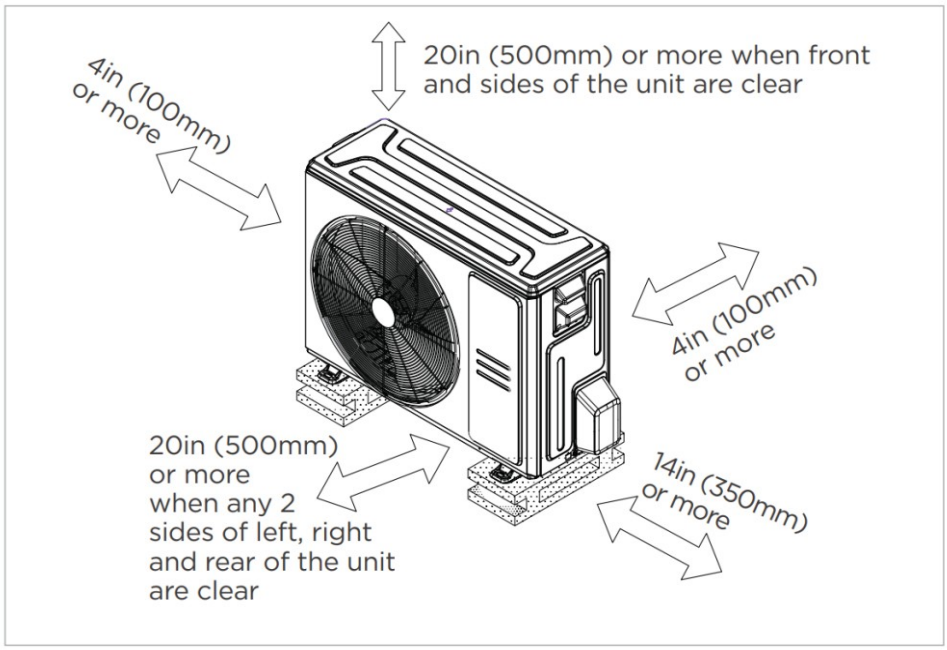


Dimensions / Model		18k/24k		30k/36k		48k/60k	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return Air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19

Outdoor Unit Dimension

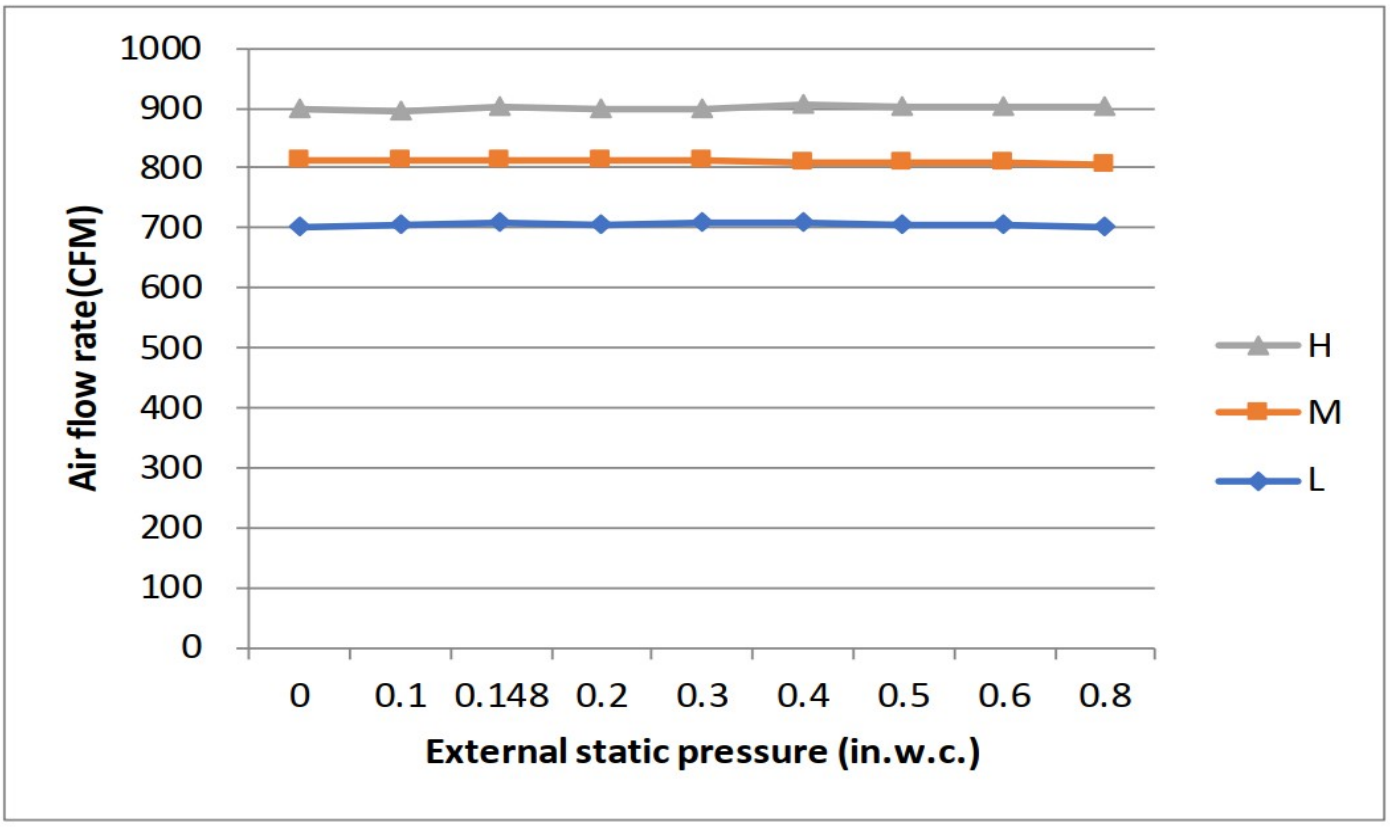


Installation Instruction



☑ Meets all special 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 thick R4.2 fiberglass free insulation, reduce condensation and increase efficiency(optional)
- Optional Auxiliary heat kit up to 25kW
- Easy Maintenance
- 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)
  - Standard Wireless remote controller
  - Can connect with Third-Party 24V Thermostat
- Adapted to RS485 and 24V communication controllers
- High efficiency up to 18.8 SEER2, 11 EER2, 9.7 HSPF2
- Chassis heater and crankcase heater pre-bulit as standard