SUBMITTAL DATA SHEET

INNOVA Regular Heat with 2nd. Gen AHU Lite

Model Number: AUO17-18N2-M3 / AUL2-18N2-BW3E

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

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

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/S) (CFM)		618 / 574 / 530 / 486 / N\A
Indoor Noise Level (T/H/M/L/S) (dBA)		44 / 42 / 40 / 37 / 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		ROTARY
Compressor Model		KSN140D21UFZ
Refrigerant		R454B
Factory Charge		440
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1236.0
Outdoor Noise Level (dBA)		49.7
Dimension (W×D×H)	inch	30-1/8 × 11-7/8 × 21-7/8
	mm	765 × 303 × 555
Package (W×D×H)	inch	34-7/8 × 13-1/4 × 24
	mm	887 × 337 × 610
Net/Gross Weight	lbs	67 / 73
	kg	30.4 / 33.1

EFFICIENCY			
Cooling		Heating	
SEER2	17.0	HSPF2-4	8.3
EER2	9.5	COP	3.3

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	6,100~20,700
Moisture Removal	2.05
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

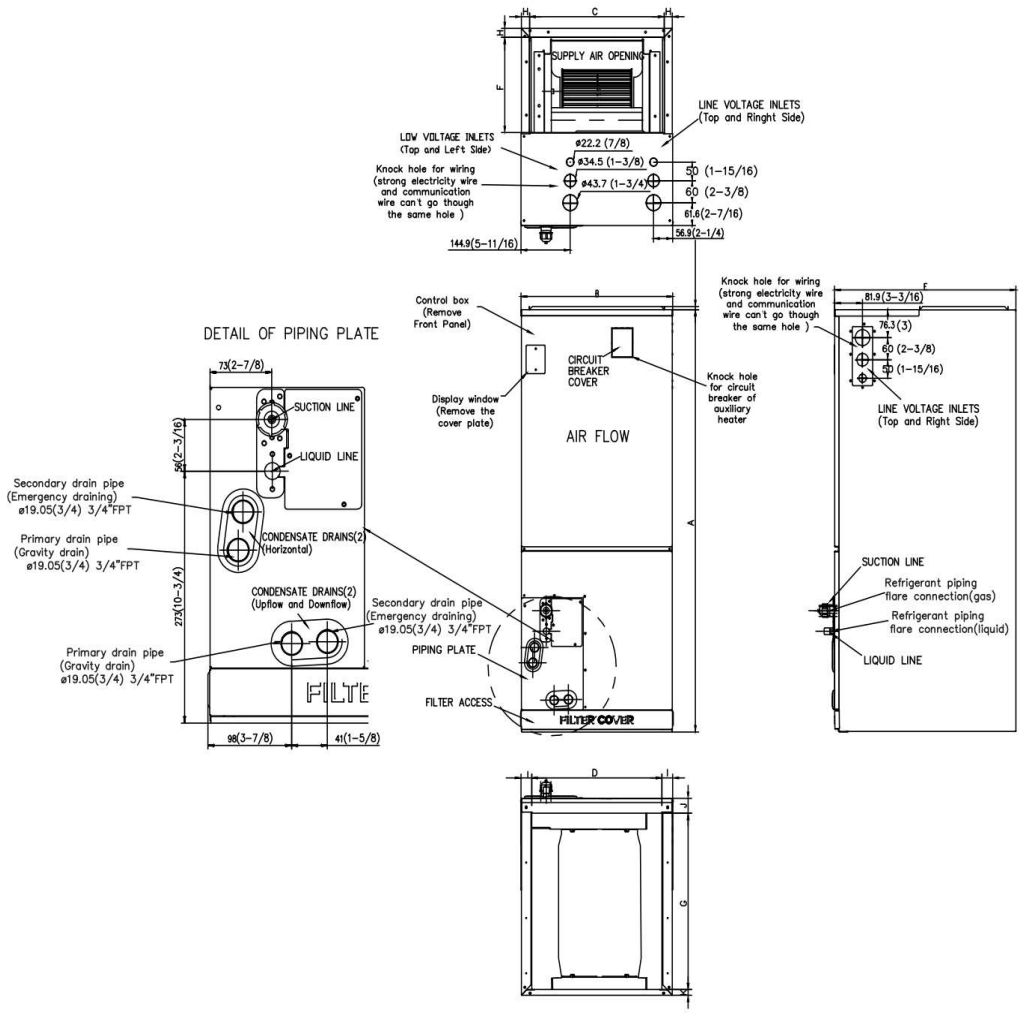
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated (Min/Max)	18000(7,400~20,100)
2. @ 17°F Rated	11500
3. @ 5°F Max: Capacity / COP	11100/2.05
Standard Operating Range	-13°F~75°F (-25°C~24°C)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	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)	5.5/4.0
Indoor MOP	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	16
Outdoor MOP	20
Connection Wiring	AWG 20-2
Compressor RLA	11
Outdoor Fan Motor RLA	0.8
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	4.4/3.0
Indoor Fan Motor W	250
System Power Input @ Cooling (W)	1875(440 ~ 2,090)
System Power Input @ Heating (W)	1579(480 ~ 1,770)
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	98.4ft (30m)
Max. Height Difference	66ft (20m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	49.4oz (1.4kg)
Additional Charge of Refrigerant	0.7oz/ft (65g/m)
Connection Method	Flared*

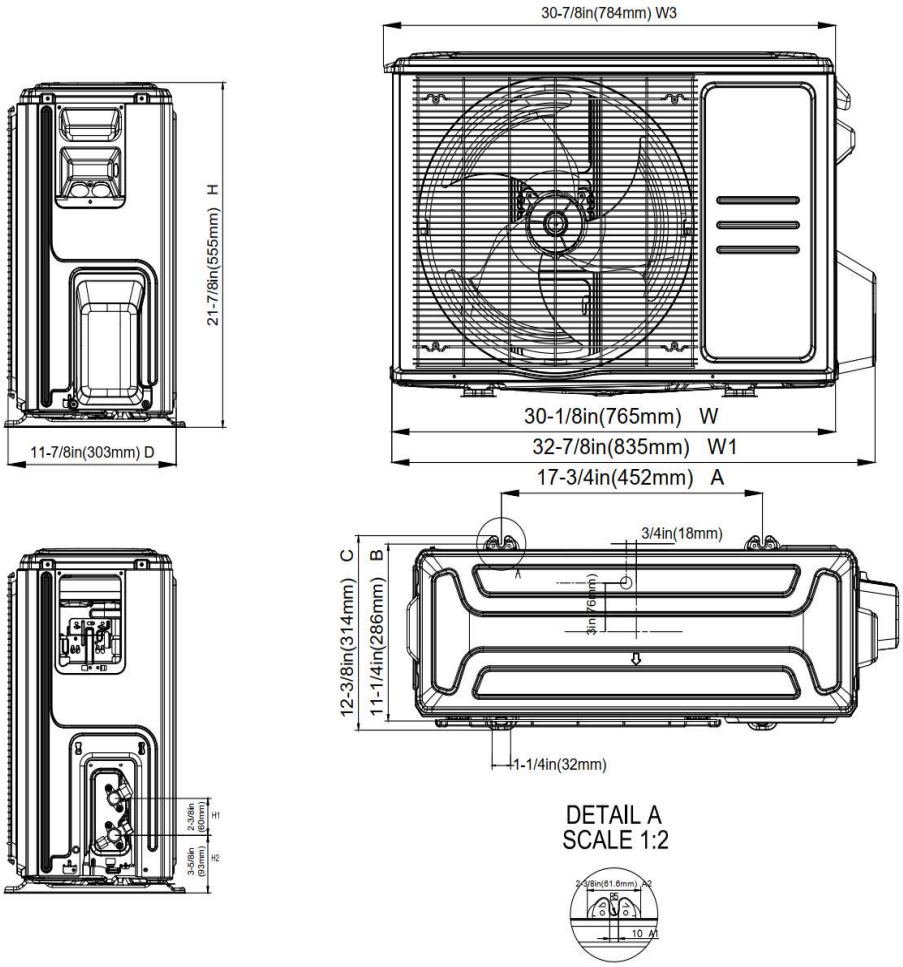
*The gas valve of the outdoor unit is 1/2", 1/2" to 3/4" flare to flare connector is required for the installation.

Indoor Unit Dimension

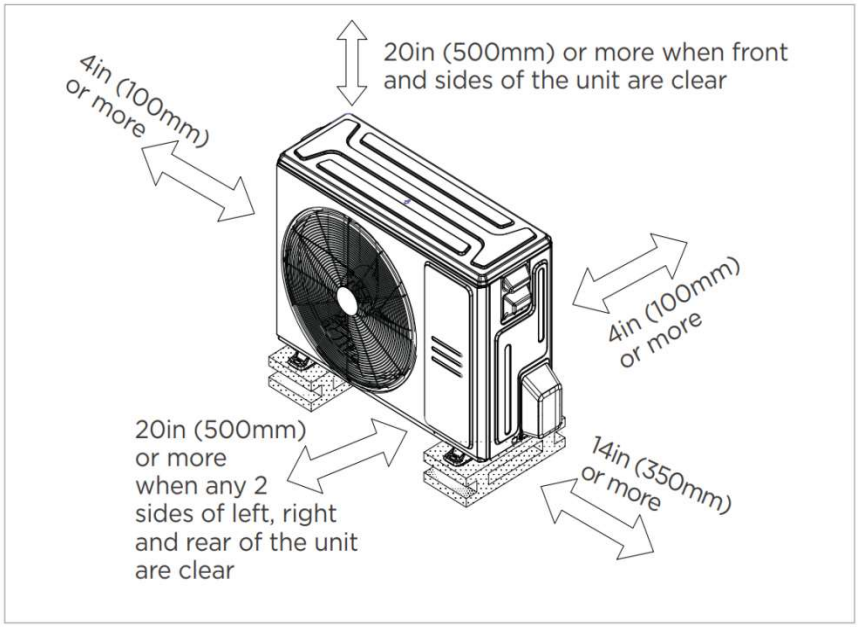


Dimensions / Model		18/24/30k		36/48/60k	
		inch	mm	inch	mm
A	Model Height	45	1143	49	1245
B	Model Width	17-1/2	445	21	534
C	Supply Air Opening Width	15-5/8	397	19-1/8	486
D	Return Air Opening Width	15-1/8	384	18-5/8	473
E	Model Depth	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260
G	Return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

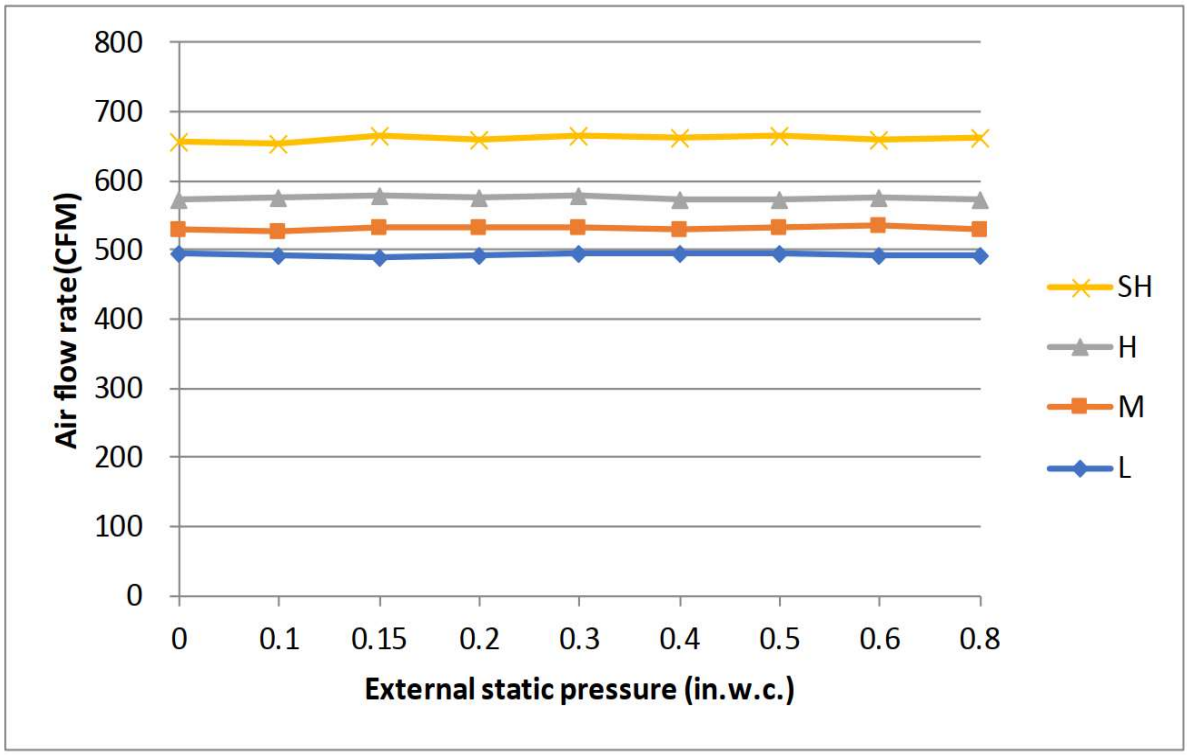


Installation Instruction



☑ Meets all 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 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