SUBMITTAL DATA SHEET

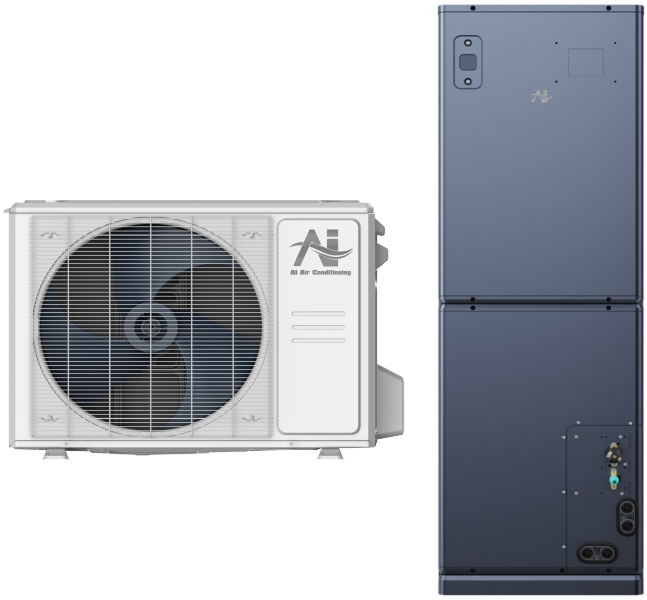
INNOVA Mega Heat with 3nd Gen. AHU

AI Air Conditioning

Model Number: AUO19-18N2-M3H / AUH3-18N2-AM3E

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

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



INDOOR SPECIFICATION		
ESP(inWG)		0~1.0
Indoor Air Flow (Turbo/H/M/L/S) (CFM)		618/577/530/489/489
Indoor Noise Level (T/H/M/L/S) (dBA)		43/43/41/37/37
Dimension (W×D×H)	inch	21-1/2 x 14-1/2 x 49-3/4
	mm	546 x 368 x 1263
Package (W×D×H)	inch	53 x 17-1/2 x 31-1/8
	mm	1345 x 445 x 790
Net/Gross Weight	lbs	123/155
	kg	55.8/70.2

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Refrigerant		R454B
Factory Charge		620ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1765.8
Outdoor Noise Level (dBA)		56.5
Dimension (W×D×H)	inch	35 x 13-1/2 x 26-1/2
	mm	890 x 342 x 673
Package (W×D×H)	inch	39-1/8 x 15-5/8 x 29-1/8
	mm	995 x 398 x 740
Net/Gross Weight	lbs	101/109
	kg	46/49.5

EFFICIENCY			
Cooling		Heating	
SEER2	19.0	HSPF2-4	10.1
EER2	12.5	COP	3.6

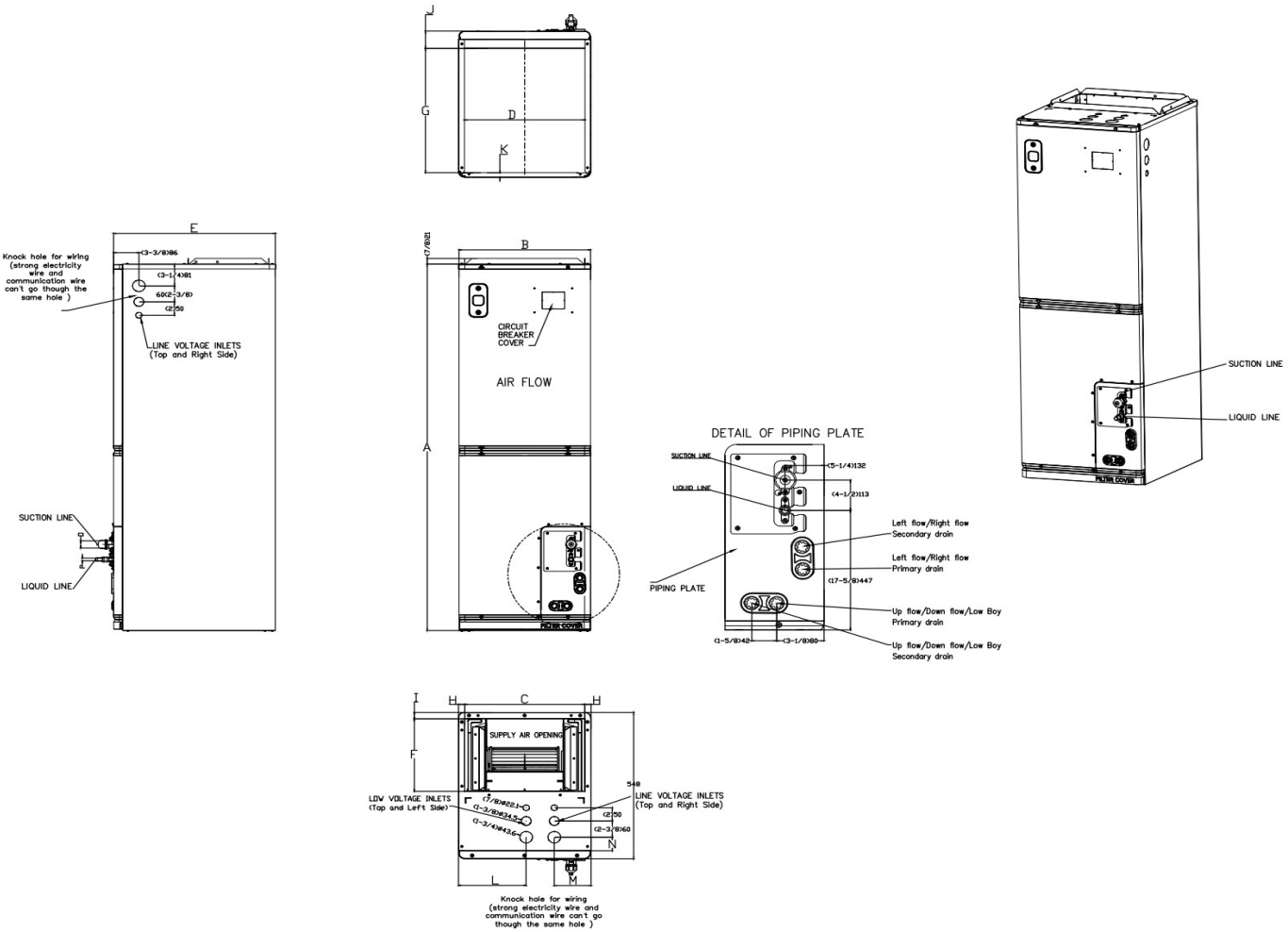
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	4600~23100
Moisture Removal	1.76
Standard Operating Range	-22°F~122°F (-30°C~50°C)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated (Min/Max)	18000(5700~23100)
2. @ 17°F Rated	14700
3. @ 5°F Max: Capacity / COP	18600/2.12
Standard Operating Range	-22℉~75℉ (-30°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	Indoor: 70°F DB/60°F WB
Operating at Max. Frequency	Outdoor: 5°F DB/5°F WB

ELECTRICAL	
Indoor Power Supply	115/208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	5.5/3.5
Indoor MOP	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	16
Outdoor MOP	20
Communication Wiring	AWG 20-2
Compressor RLA	10.5
Outdoor Fan Motor RLA	0.9
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	2
Indoor Fan Motor W	600
System Power Input @ Cooling (W)	1440(530 ~ 2020)
System Power Input @ Heating (W)	1465(410 ~1900)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

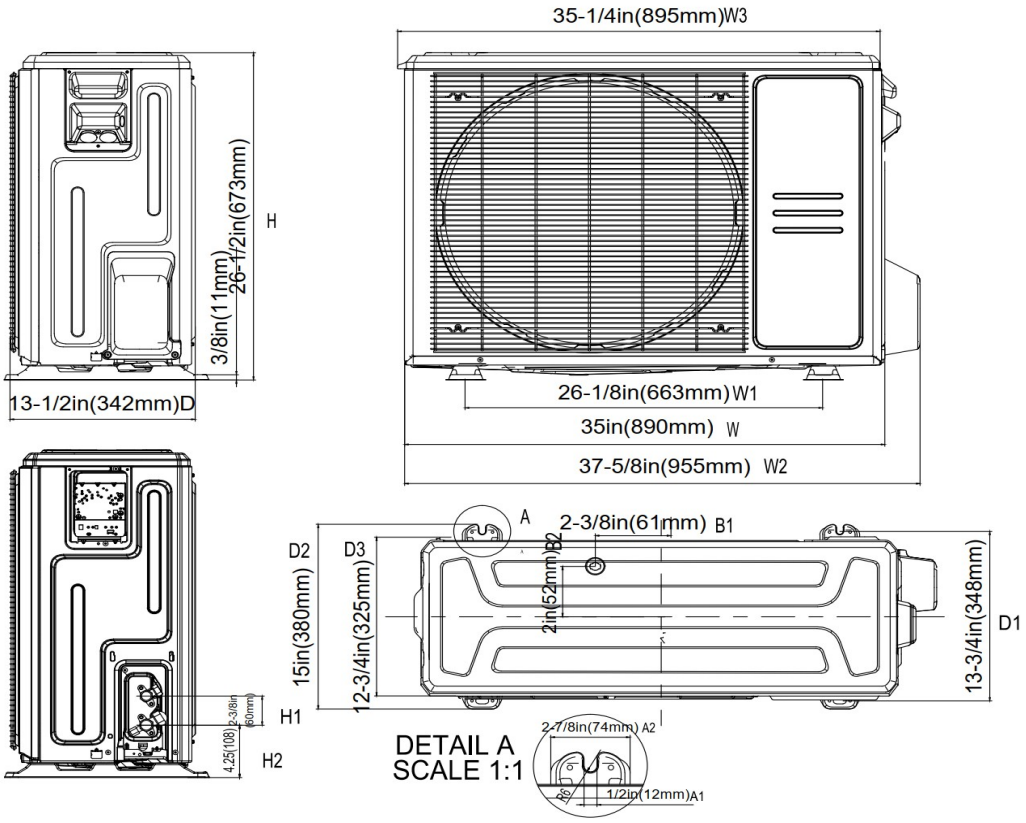
PIPING	
Liquid Size	3/8in (9.52mm)
Gas Size	3/4iin (19mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	164ft (50m)
Max. Height Difference	82ft (25m)
Max. Pre-charged Length	24.6ft (7.5m)
Refrigerant Pre-charged Amount	74.08oz (2100g)
Additional Charge of Refrigerant	0.7oz/ft (65g/m)
Connection Method	Flared

Indoor Unit Dimension

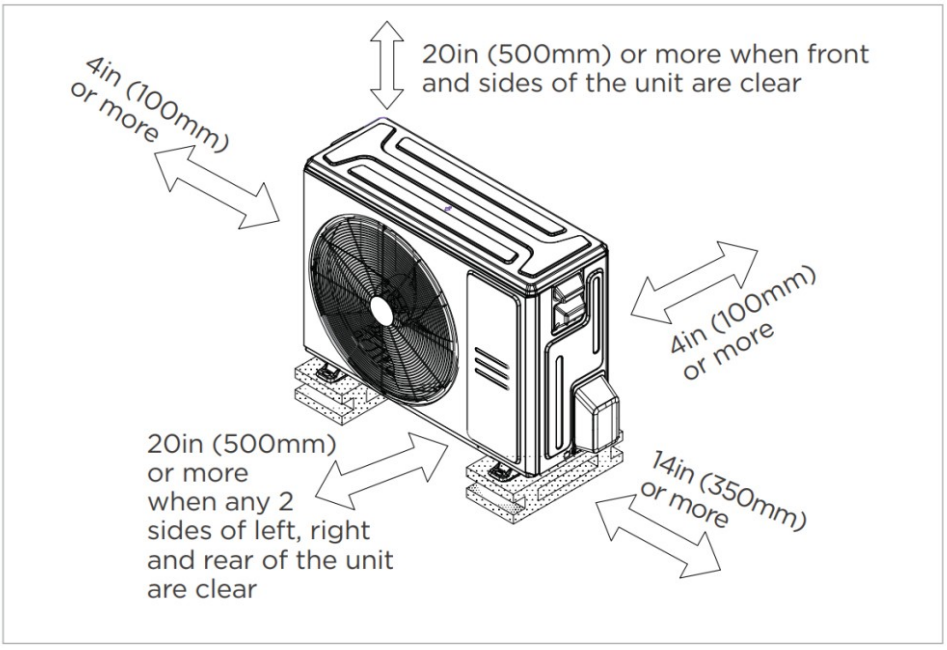


Dimensions \ Model(Btu/h)		18K/24K		30K/36K		48K/54K	
		inch	mm	inch	mm	inch	mm
A	Model Height	49-3/4	1263	54	1371	56	1421
B	Model Width	14-1/2	368	17-1/2	445	21-1/2	546
C	Supply Air Opening Width	12-7/8	328	16	405	19-7/8	506
D	Return Air Opening Width	13	331	16	407	20	509
E	Model Depth	21-1/2	546	21-1/2	546	21-1/2	546
F	Supply Air Opening Depth	10-5/8	271	10-5/8	271	10-5/8	271
G	Return Air Opening Depth	18-1/4	465	18-1/4	465	18-1/4	465
H	Supply Air Opening Clearance	7/8	22	7/8	22	7/8	22
I	Supply Air Opening Clearance	1	24	1	24	1	24
J	Return Air Opening Front Clearance	2-1/2	65	2-1/2	65	2-1/2	65
K	Return Air Opening Back Clearance	3/4	18	3/4	18	3/4	18
L	Top cover knock hole	/	/	9	229	10-7/8	275
M	Top cover knock hole	4-1/2	113	4-7/8	124	5-1/8	131
N	Top cover knock hole	2	51	2	51	1-5/8	41
O	Refrigerant piping flareconnection(gas)	3/4	19	3/4	19	3/4	19
P	Refrigerant piping flareconnection(liquid)	3/8	9	3/8	9	3/8	9

Outdoor Unit Dimension

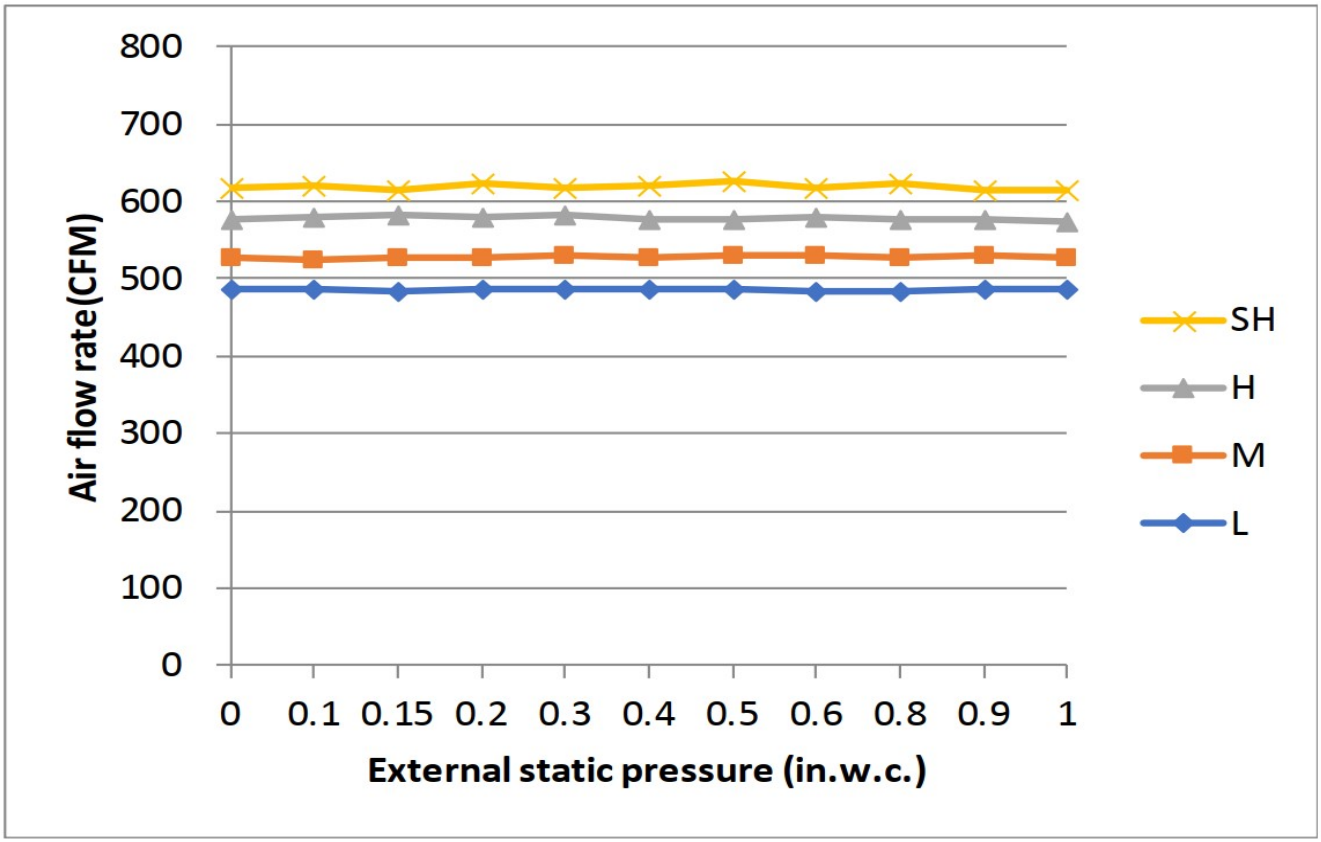


Installation Instruction



☑ 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)
- 115/230V voltage compatible for IDU
- Aluminum Coil
- Constantly Air Flow system up to 1.0 In.W.G
- 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 19 SEER2, 12.5 EER2, 10.8 HSPF2
- 100% heat output at -13F*
- Chassis heater and crankcase heater pre-bulit as standard

* For AUH3-36N2-BM3E pairing with AUO19-36N2-M3H-S, rated cooling capacity/heating capacity at -13F=100%