

SUBMITTAL DATA SHEET



Series Name: **INNOVA 24V Mega Heat with AHU**

Model Number: **AUO18-24N1-M3H / AUH2-24N1-BM3E**

Heat Pump System

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

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



INDOOR SPECIFICATION

Indoor Air Flow (H/M/L) (CFM)	824/759/694	
Indoor Noise Level (H/M/L) (dBA)	39/36/33	
Dimension (W×D×H)	inch	21 x 17-1/2 x 45
	mm	534 x 445 x 1143
Package (W×D×H)	inch	26-5/8 x 20-7/8 x 48-5/8
	mm	675 x 530 x 1235
Net/Gross Weight	lbs	106/127
	kg	47.9/57.8

OUTDOOR SPECIFICATION

Compressor Type	Twin-ROTARY	
Refrigerant	R410A	
Factory Charge Oil	670ml	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	3000	
Outdoor Noise Level (dBA)	62	
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	137/146
	kg	62/66

EFFICIENCY

Cooling		Heating	
SEER2	17.4	HSPF2-4	10.0
EER2	11.7	COP	3.4

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated (Min/Max)	24000
Sebsible @ AHRI	6400~27000
Moisture Removal	1.98 L/H (4.18pint/H)
Standard Operating Range	5°F~122°F (-15°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)	24000(10100~31000)
2. @ 17°F Rated	19200
3. @ 5°F Max: Capacity / COP	22600 / 1.91
Standard Operating Range	-22°F~75°F (-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

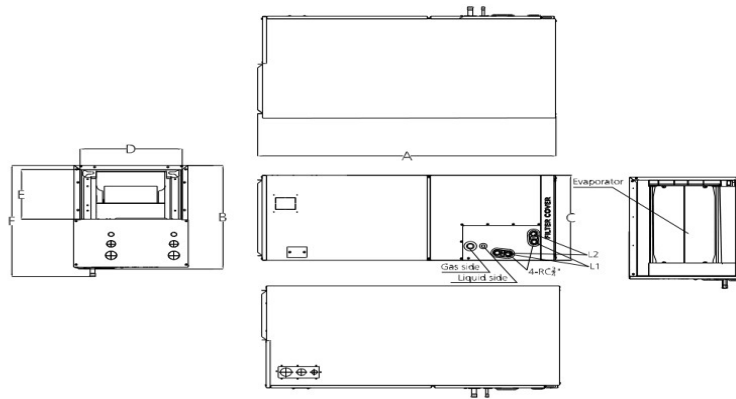
ELECTRICAL

Power Supply	208/230V, 1Ph, 60Hz
Outdoor/Indoor MCA	20.5/4
Connection Wiring	AWG 14-2
Outdoor/Indoor MOCP	35/15
Compressor RLA	15
Outdoor Fan Motor RLA	1.4
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	3
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2050(740~2450)
System Power Input @ Heating (W)	2100(660~2900)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

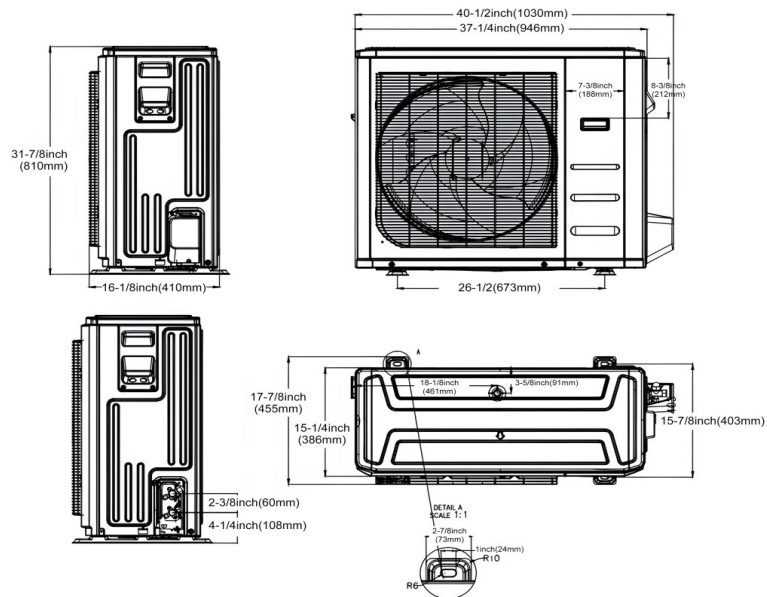
Liquid Size	3/8in (9.52mm)
Gas Size	3/4in (19mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	164ft (50m)
Max. Height Difference	82ft (25m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	102.32oz (2901g)
Additional Charge of Refrigerant	0.69oz/ft (65g/m)
Connection Method	Flared

Indoor Unit Dimension



Model	Unit	Dimensions(mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
18k~24k	mm	1143	534	445	400	260	585	Main drain	Overflow drain
	inch	45	21	17-1/2	15-3/4	10-1/4	23		
30k~48k	mm	1245	534	534	490	260	585		
	inch	49	21	21	19-5/16	10-1/4	23		
60k	mm	1346	534	622	580	260	585		
	inch	53	21	24-1/2	22-7/8	10-1/4	23		

Outdoor Unit Dimension



Fan performance

