

SUBMITTAL DATA SHEET



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

Model Number: **AUO18-24N1-M3H / AUP-24N1-IM3**

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)	55/52/46	
Dimension (W×D×H)	inch	49-1/8 x 23-3/8 x 10-7/8
	mm	1248 x 593 x 277
Package (W×D×H)	inch	53-1/8 x 26-3/4 x 13-5/8
	mm	1350 x 680 x 345
Net/Gross Weight	lbs	123/136
	kg	55.6/61.9

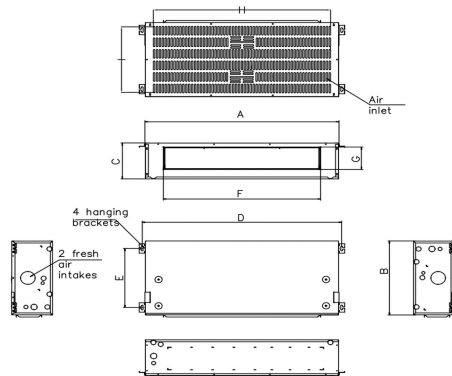
OUTDOOR SPECIFICATION		
Compressor Type	Twin-ROTARY	
Refrigerant	R410A	
Factory Charge Oil	670ml	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	3000	
Outdoor Noise Level (dBA)	62	
Dimension (W×D×H)	inch	37-1/4 x 16-1/8 x 31-7/8
	mm	946 x 410 x 810
Package (W×D×H)	inch	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	137/146
	kg	62/66

EFFICIENCY			
Cooling		Heating	
SEER2	19	HSPF2-4	9.3
EER2	12	COP	3.6
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated (Min/Max)	24000		
Sebsible @ AHRI	8300~28000		
Moisture Removal	2.16L/H (4.56pint/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)	27500(10000~34000)		
2. @ 17°F Rated	19200		
3. @ 5°F Max: Capacity / COP	24000 / 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 Operating at Max. Frequency		Indoor: 70°F DB/60°F WB	
		Outdoor: 5°F DB/5°F WB	

ELECTRICAL	
Power Supply	208/230V, 1Ph, 60Hz
Outdoor/Indoor MCA	20/5
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	3.8
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2000(230~2700)
System Power Input @ Heating (W)	2240(430~3200)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

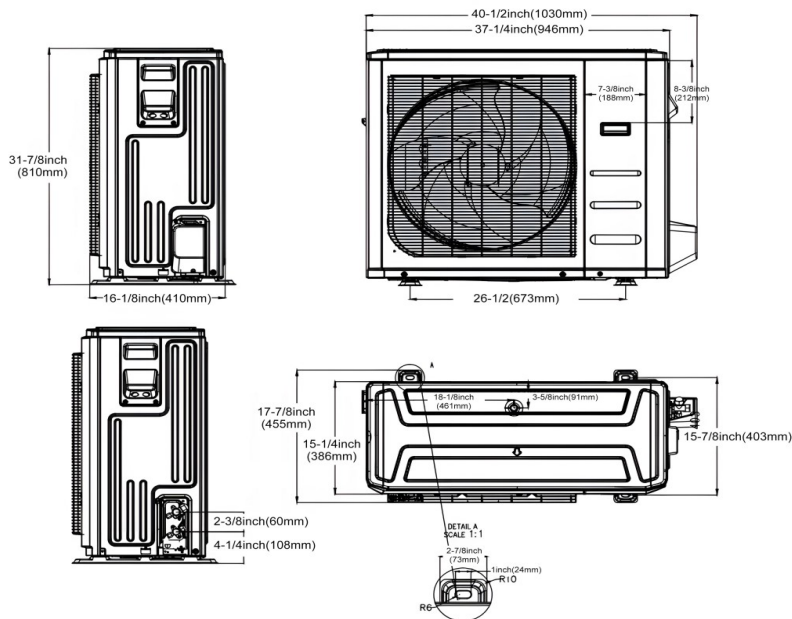
PIPING	
Liquid Size	3/8in (9.52mm)
Gas Size	3/4in (19mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	164ft (50m)
Max. Height Difference	82ft (25m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	102.32oz (2901g)
Additional Charge of Refrigerant	0.69oz/ft (65g/m)
Connection Method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

Indoor Unit Dimension



Dimensions		Model(Btu/h)	18K inch	24K inch	30K inch	36K inch
A	Model Length		43-1/4	49-1/8	55-1/4	62-1/8
B	Model Width		23-5/16	23-5/16	23-5/16	23-5/16
C	Model Height		10-15/16	10-15/16	10-15/16	10-15/16
D	MOUNTED LUG Length		41-5/8	47-1/2	53-5/8	60-1/2
E	MOUNTED LUG width		18-1/8	18-1/8	18-1/8	18-1/8
F	AIR OUTLET LENGTH		30-5/16	36-3/16	42-5/16	49-3/16
G	AIR OUTLET WIDTH		6-7/8	6-7/8	6-7/8	6-7/8
H	AIR RETURN LENGTH		38-3/8	44-5/16	50-3/8	57-1/4
I	AIR RETURN WIDTH		21-1/8	21-1/8	21-1/8	21-1/8

Outdoor Unit Dimension



Fan performance

24K

