

# SUBMITTAL DATA SHEET



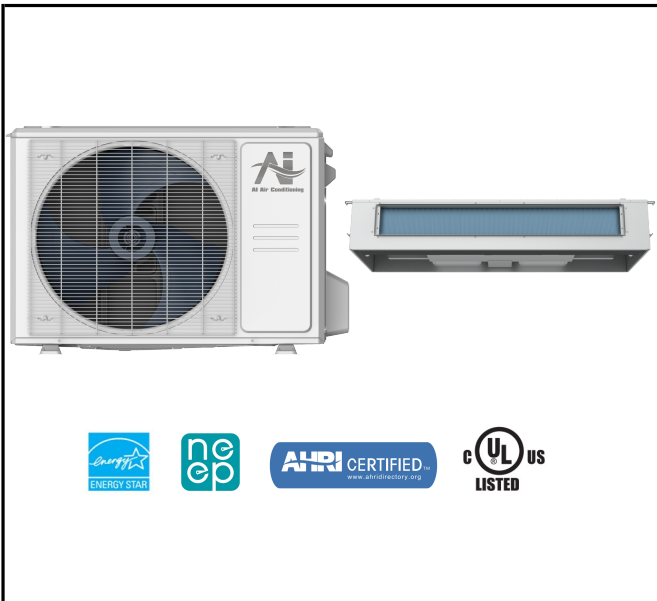
**Series Name:** INNOVA 24V Mega Heat with Pancake

**Model Number:** AUO18-18N1-M3H / AUP-18N1-HM3

## Heat Pump System

Location: \_\_\_\_\_  
 Engineer: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Reference: \_\_\_\_\_

Approval: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Construction: \_\_\_\_\_  
 Unit #: \_\_\_\_\_  
 Drawing #: \_\_\_\_\_



INDOOR SPECIFICATION		
Indoor Air Flow (H/M/L) (CFM)		600/565/529
Indoor Noise Level (H/M/L) (dBA)		54/50/46
Dimension (W×D×H)	inch	43-1/4 x 23-3/8 x 11
	mm	1098 x 593 x 278
Package (W×D×H)	inch	47-1/4 x 26-3/4 x 13-5/8
	mm	1200 x 680 x 345
Net/Gross Weight	lbs	112/125
	kg	51/56.6

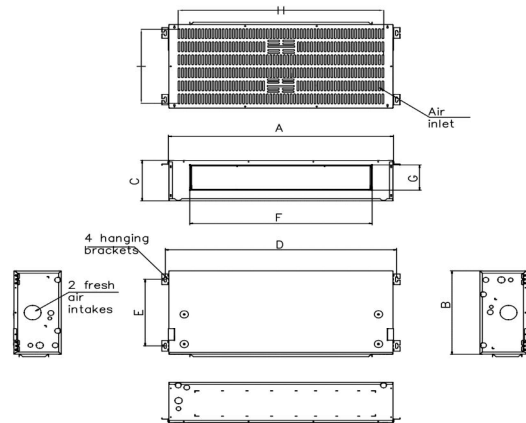
OUTDOOR SPECIFICATION		
Compressor Type		Twin-ROTARY
Refrigerant		R410A
Factory Charge Oil		670ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1279
Outdoor Noise Level (dBA)		59
Dimension (W×D×H)	inch	35 x 13-1/2 x 26-1/2
	mm	890 x 342 x 673
Package (W×D×H)	inch	39-1/8 x 15-5/8 x 29-1/8
	mm	995 x 398 x 740
Net/Gross Weight	lbs	103/110
	kg	46.7/49.8

EFFICIENCY			
Cooling		Heating	
<b>SEER2</b>	17	<b>HSPF2-4</b>	9.5
<b>EER2</b>	12.4	<b>COP</b>	3.6
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
<b>Rated (Min/Max)</b>		18000	
<b>Sebsible @ AHRI</b>		8200~21800	
<b>Moisture Removal</b>		1.74 L/H (3.67pint/H)	
<b>Standard Operating Range</b>		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)			
<b>1. @ 47°F Rated (Min/Max)</b>		19000(2800~21000)	
<b>2. @ 17°F Rated</b>		13500	
<b>3. @ 5°F Max: Capacity / COP</b>		18000 / 2	
<b>Standard Operating Range</b>		-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	16/5
Connection Wiring	AWG 14-2
Outdoor/Indoor MOCP	20/15
Compressor RLA	10
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	3.8
Indoor Fan Motor W	/
<b>System Power Input @ Cooling (W)</b>	1450(260~2100)
<b>System Power Input @ Heating (W)</b>	1530(460~1970)
<b>MCA:</b> Min. circuit amps (A)	<b>MOCP:</b> Max. over current protection (A)
<b>RLA:</b> Rated load amps (A)	<b>W:</b> Fan motor rated output (W)

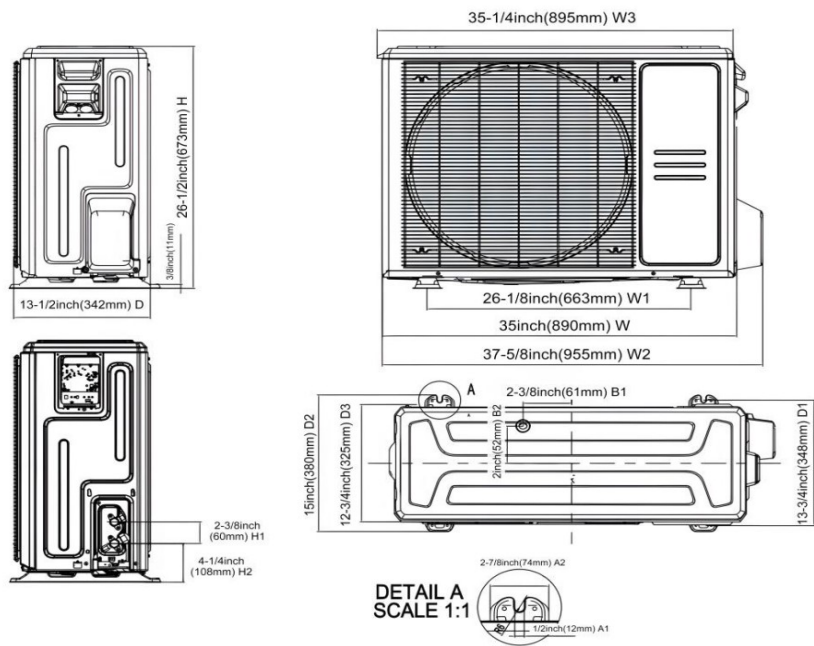
PIPING	
Liquid Size	3/8in (9.52mm)
Gas Size	3/4in (19mm)
Drain Size	5/8in (15.88mm)
<b>Max. Piping Length</b>	98.4ft (30m)
<b>Max. Height Difference</b>	65.6ft (20m)
<b>Max. Pre-charged Length</b>	25ft (7.5m)
<b>Refrigerant Pre-charged Amount</b>	81.13oz (2300g)
<b>Additional Charge of Refrigerant</b>	0.69oz/ft (65g/m)
<b>Connection Method</b>	Flared

## Indoor Unit Dimension



Dimensions		Model(Btu/h)	18K	24K	30K	36K
			inch	inch	inch	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

18K

