

SUBMITTAL DATA SHEET



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

Model Number: **AUO18-36N1-M3H-A / AUP-36N1-KM3**

Heat Pump System

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

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



INDOOR SPECIFICATION		
Indoor Air Flow (H/M/L) (CFM)	1176/1000/794	
Indoor Noise Level (H/M/L) (dBA)	60/56/53	
Dimension (W×D×H)	inch	62-1/8 x 23-3/8 x 11
	mm	1578 x 593 x 278
Package (W×D×H)	inch	66-1/8 x 26-3/4 x 13-5/8
	mm	1680 x 680 x 345
Net/Gross Weight	lbs	145/157
	kg	65.7/71.1

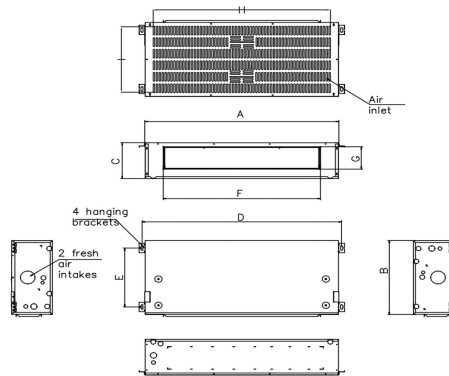
OUTDOOR SPECIFICATION		
Compressor Type	ROTARY	
Refrigerant	R410A	
Factory Charge Oil	1460±15ml	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	4500	
Outdoor Noise Level (dBA)	63	
Dimension (W×D×H)	inch	37-1/2 x 16-3/8 x 52-1/2
	mm	952 x 415 x 1333
Package (W×D×H)	inch	43-1/8 x 19-1/2 x 58-1/4
	mm	1095 x 495 x 1480
Net/Gross Weight	lbs	227/256
	kg	103/116

EFFICIENCY			
Cooling		Heating	
SEER2	17	HSPF2-4	9.9
EER2	10	COP	3.2
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated (Min/Max)	36000		
Sebsible @ AHRI	15800~38800		
Moisture Removal	3.21L/H (6.77pint/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)	36000(13000~51200)		
2. @ 17°F Rated	32800		
3. @ 5°F Max: Capacity / COP	36000 / 1.9		
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	41/5
Connection Wiring	AWG 14-2
Outdoor/Indoor MOCP	50/15
Compressor RLA	32
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	4
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3600(520~4680)
System Power Input @ Heating (W)	3320(660~4750)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

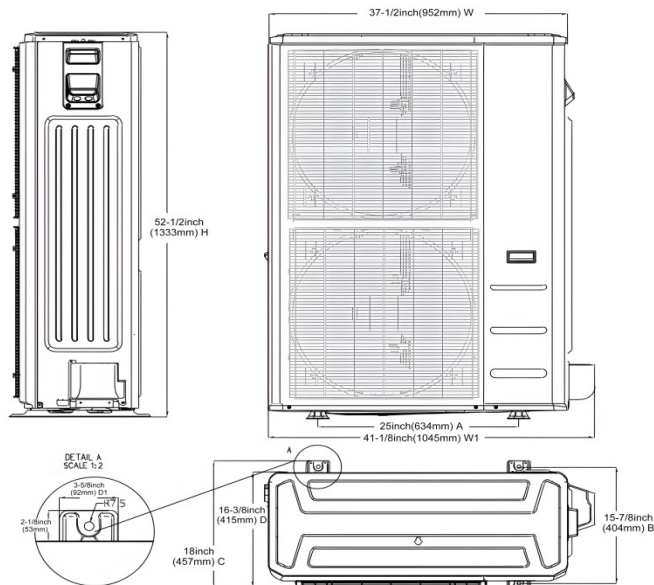
PIPING	
Liquid Size	3/8in (9.52mm)
Gas Size	3/4in (19mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	213.3ft (65m)
Max. Height Difference	98.4ft (30m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	165.79oz (4700g)
Additional Charge of Refrigerant	0.69oz/ft (65g/m)
Connection Method	Flared

Indoor Unit Dimension



Dimensions	Model(Btu/h)	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

36K

