

SUBMITTAL DATA SHEET



Series Name: INNOVA 24V Mega Heat with Wall Mounted AHU

Model Number: AUO18-18N1-M3H / AUE-18N1-MM3E

Heat Pump System	
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____



INDOOR SPECIFICATION	
Indoor Air Flow (H/M/L) (CFM)	618/576/529
Indoor Noise Level (H/M/L) (dBA)	48/45/43
Dimension (W×D×H)	inch 20-1/4 x 15-3/4 x 36-1/2
	mm 515 x 399 x 928
Package (W×D×H)	inch 22-7/8 x 19-1/2 x 42-7/8
	mm 580 x 495 x 1090
Net/Gross Weight	lbs 88/109
	kg 40/49.5

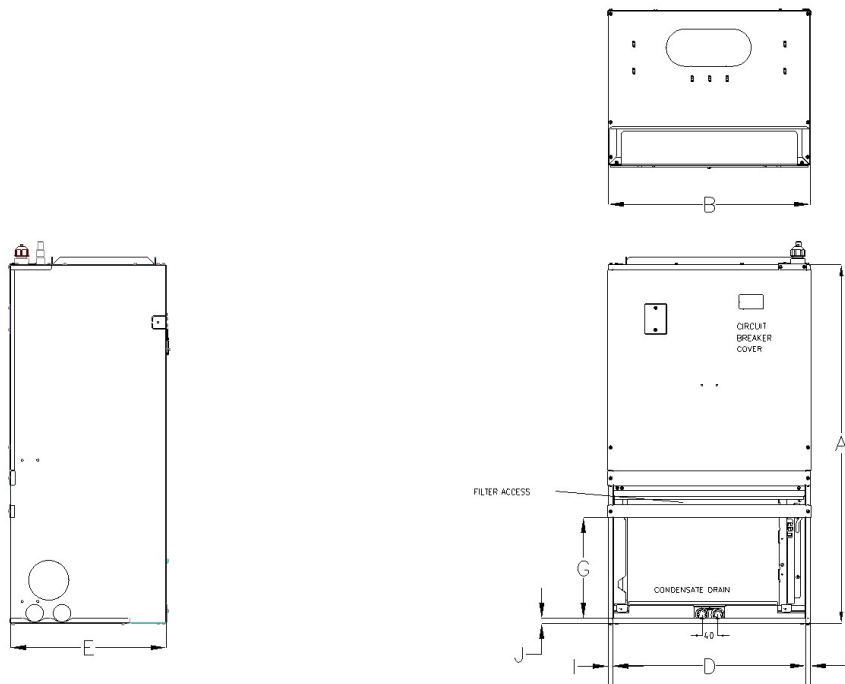
OUTDOOR SPECIFICATION	
Compressor Type	Twin-ROTARY
Refrigerant	R410A
Factory Charge Oil	670ml
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1279
Outdoor Noise Level (dBA)	57
Dimension (W×D×H)	inch 35 x 13-1/2 x 26-1/2
	mm 890 x 342 x 673
Package (W×D×H)	inch 39-1/8 x 15-5/8 x 29-1/8
	mm 995 x 398 x 740
Net/Gross Weight	lbs 103/110
	kg 46.7/49.8

EFFICIENCY			
Cooling		Heating	
SEER2	19.3	HSPF2-4	10.8
EER2	12.1	COP	4
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated (Min/Max)		18000	
Sebsible @ AHRI		7500~21600	
Moisture Removal		1.49 L/H (3.14 pint/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)		19000(7000~22000)	
2. @ 17°F Rated		15800	
3. @ 5°F Max: Capacity / COP		18800 / 2.3	
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	16/4.5
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	3.5
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1487(350~2100)
System Power Input @ Heating (W)	1392(450~1850)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

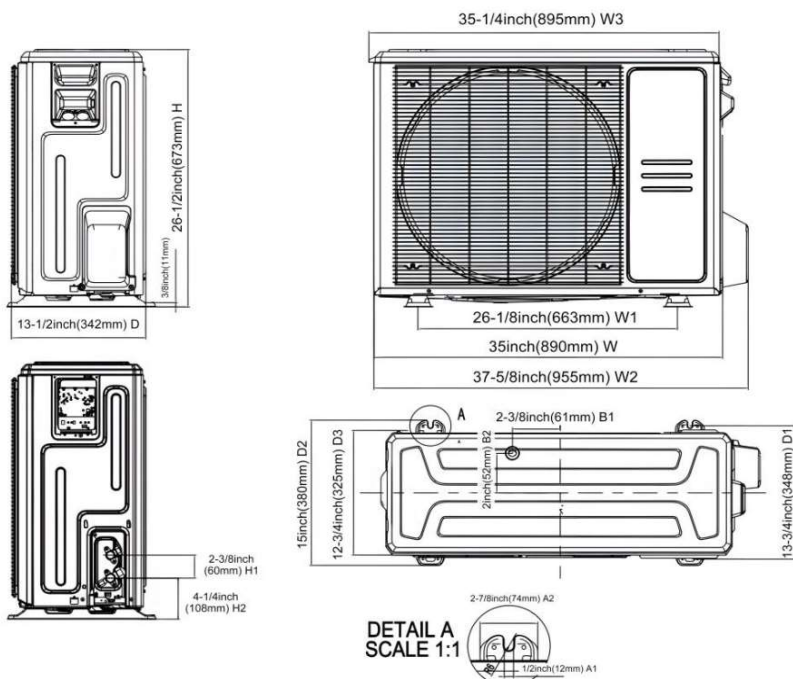
PIPING	
Liquid Size	3/8in (9.52mm)
Gas Size	3/4 in(19mm) ODU Adaptor from 5/8 to 3/4
Drain Size	5/8in (15.88mm)
Max. Piping Length	98.4ft (30m)
Max. Height Difference	65.6ft (20m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	81.13oz (2300g)
Additional Charge of Refrigerant	0.69oz/ft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

Indoor Unit Dimension



Dimensions		Model(Btu/h)		18K/24K		30K/36K	
		inch	mm	inch	mm		
A	Model Height	36.5	928	4.9	1017		
B	Model Width	20.3	515	21	559		
C	Supply Air Opening Width	17.4	442	18.8	478.6		
D	Return Air Opening Width	19.4	493.8	21.2	537.8		
E	Model Depth	15.7	399	21	483		
F	Supply Air Opening Depth	10.4	265.2	9.3	235.4		
G	Return Air Opening Depth	10.3	261	13.1	332.5		
H	Supply Air Opening Clearance	1.1	29.1	1.6	41		
I	Return Air Opening Side Clearance	0.42	10.6	0.42	10.6		
J	Return Air Opening Front Clearance	0.47	12	0.63	16		

Outdoor Unit Dimension



Fan performance

