

# SUBMITTAL DATA SHEET



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

**Model Number:** AUO18-36N1-M3H-A / AUE-36N1-LM3E

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



INDOOR SPECIFICATION		
Indoor Air Flow (H/M/L) (CFM)	1188/1082/971	
Indoor Noise Level (H/M/L) (dBA)	55/50/47	
Dimension (W×D×H)	inch	22 x 19 x 40
	mm	559 x 483 x 1017
Package (W×D×H)	inch	24-5/8 x 22-7/8 x 47
	mm	625 x 580 x 1193
Net/Gross Weight	lbs	109/133
	kg	49.4/60.3

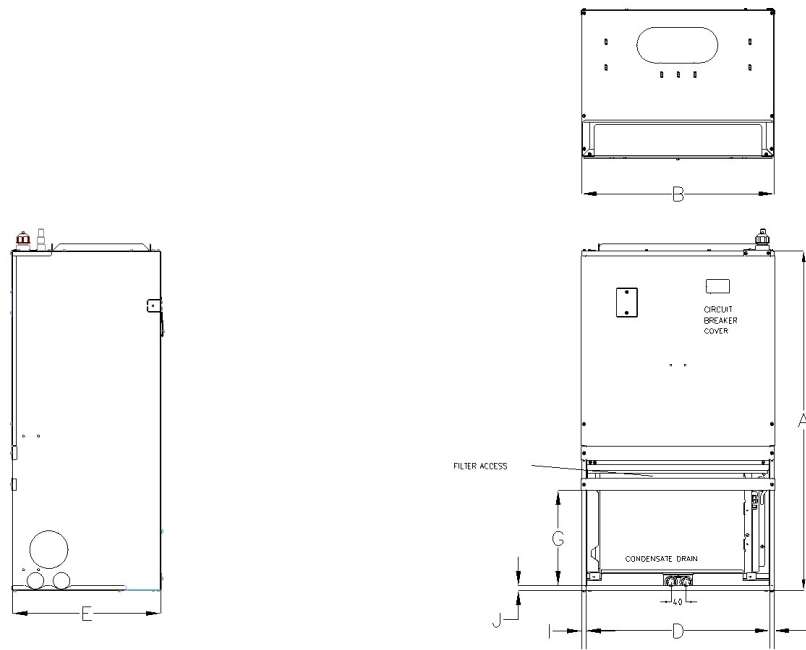
OUTDOOR SPECIFICATION		
Compressor Type	ROTARY	
Refrigerant	R410A	
Factory Charge Oil	1460±15ml	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	4500	
Outdoor Noise Level (dBA)	63	
Dimension (W×D×H)	inch	37-1/2 x 16-3/8 x 52-1/2
	mm	952 x 415 x 1333
Package (W×D×H)	inch	43-1/8 x 19-1/2 x 58-1/4
	mm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

EFFICIENCY			
Cooling		Heating	
SEER2	17.6	HSPF2-4	9.2
EER2	10.2	COP	3
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated (Min/Max)		36000	
Sebsible @ AHRI		13000~42000	
Moisture Removal		4.05L/H (8.55pint/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)		38000(10800~50000)	
2. @ 17°F Rated		28600	
3. @ 5°F Max: Capacity / COP		33400 / 1.81	
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	41/6.5
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)	3530(455~5000)
System Power Input @ Heating (W)	3650(770~5050)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

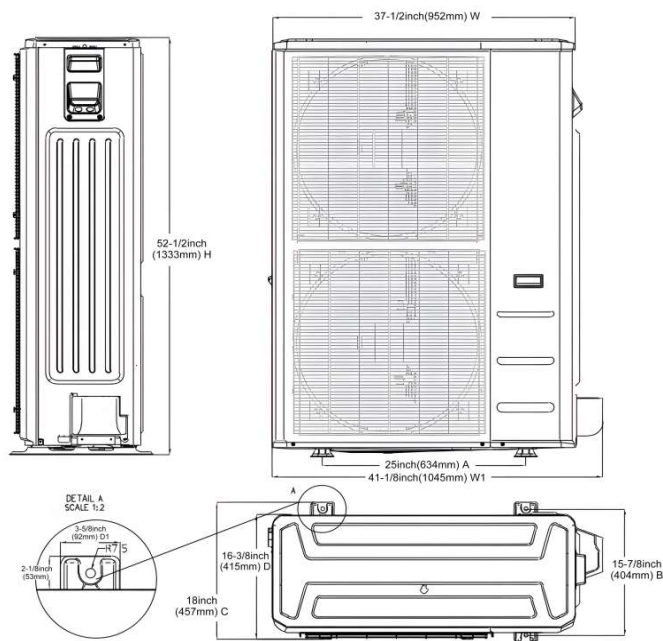
PIPING	
Liquid Size	3/8in (9.52mm)
Gas Size	3/4 (19mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	213.3ft (65m)
Max. Height Difference	98.4ft (30m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	165.79oz (4700g)
Additional Charge of Refrigerant	0.69oz/ft (65g/m)
Connection Method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

### Indoor Unit Dimension



Dimensions	Model(Btu/h)	18K/24K		30K/36K	
		inch	mm	inch	mm
A	Model Height	36.5	928	49	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

