

# SUBMITTAL DATA SHEET



Series Name: **INNOVA 24V Regular with Wall Mounted AHU**

Model Number: **AUO17-18N1-M3 / AUE-18N1-MM3E**

### Heat Pump System

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

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



INDOOR SPECIFICATION		
Indoor Air Flow (H/M/L) (CFM)		618/576/529
Indoor Noise Level (H/M/L) (dBA)		52/47/36
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

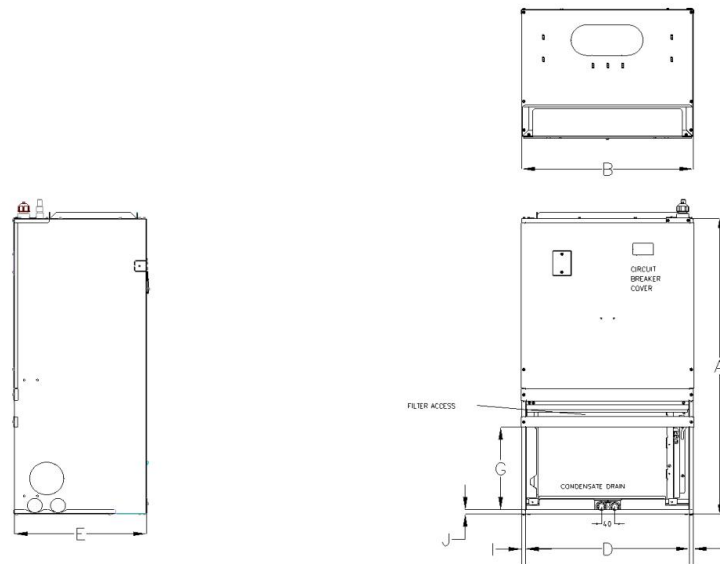
OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Refrigerant		R410A
Factory Charge Oil		440ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1450
Outdoor Noise Level (dBA)		55
Dimension (W×D×H)	inch	31-3/4 x 13 x 21-3/4
	mm	805 x 330 x 554
Package (W×D×H)	inch	36 x 14-5/8 x 24-1/4
	mm	915 x 370 x 615
Net/Gross Weight	lbs	76/81
	kg	34.4/36.9

EFFICIENCY			
Cooling		Heating	
SEER2	17.0	HSPF2-4	8.8
EER2	10.7	COP	3.5
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated Capacity	18000		
Min/Max Capacity	5200~20000		
Moisture Removal	1.55 L/H (3.3 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)	18000(3900~18300)		
2. @ 17°F Rated	11500		
3. @ 5°F Max: Capacity / COP	10500 / 2.03		
Standard Operating Range	-13°F~75°F (-25°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		Indoor: 70°F DB/60°F WB	
Operating at Max. Frequency		Outdoor: 5°F DB/5°F WB	

ELECTRICAL	
Power Supply	208/230V, 1Ph, 60Hz
Outdoor/Indoor MCA	16/4.5
Connection Wiring	AWG 14-4
Outdoor/Indoor MOCP	20/15
Compressor RLA	9
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	3.5
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1682(196~1933)
System Power Input @ Heating (W)	1529(275~1554)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

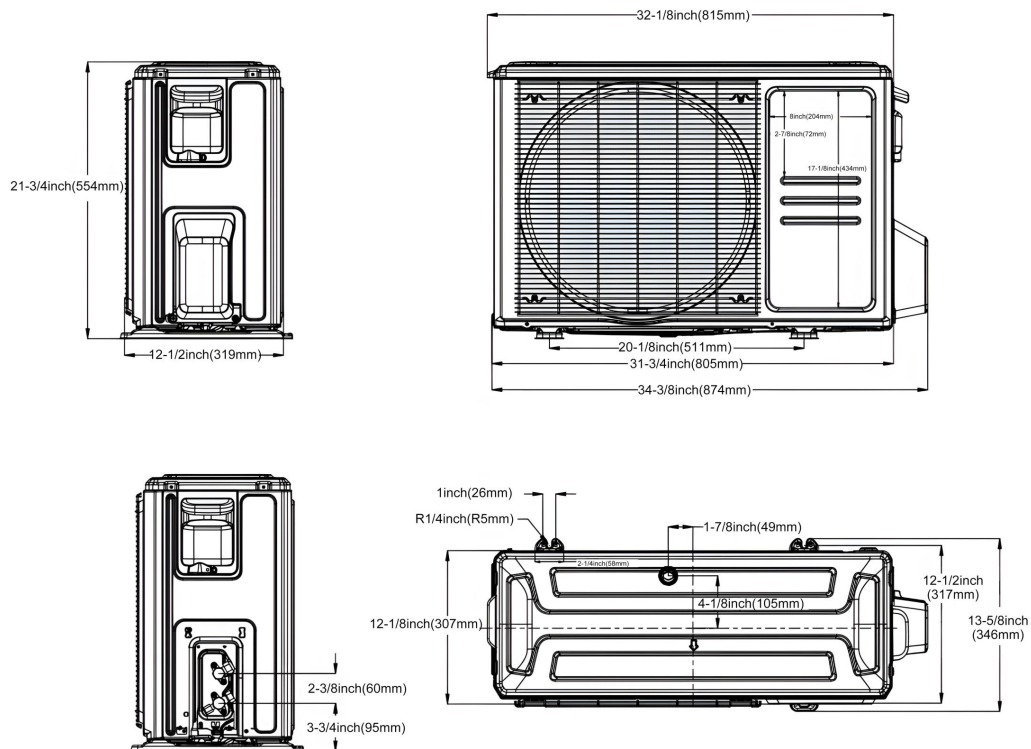
PIPING	
Liquid Size	3/8in (9.52mm)
Gas Size	3/4in (19mm) ODU Adaptor from 5/8 to 3/4
Drain Size	5/8in (15.88mm)
Max. Piping Length	98.4ft (30m)
Max. Height Difference	65.6ft (20m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	56.44oz (1600g)
Additional Charge of Refrigerant	0.69oz/ft (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	28.3	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

