

SUBMITTAL DATA SHEET



Series Name: **INNOVA 24V Mega Heat with AHU**
 Model Number: **AUO18-48N1-M3H / AUH2-48N1-CM3E**

Heat Pump System



INDOOR SPECIFICATION		
Indoor Air Flow (H/M/L) (CFM)		1471/1282/1094
Indoor Noise Level (H/M/L) (dBA)		50/47/43.5
Dimension (W×D×H)	inch	21 x 21 x 49
	mm	534 x 534 x 1245
Package (W×D×H)	inch	26-5/8 x 24-3/8 x 52-1/2
	mm	675 x 620 x 1335
Net/Gross Weight	lbs	131/156
	kg	59.2/70.9

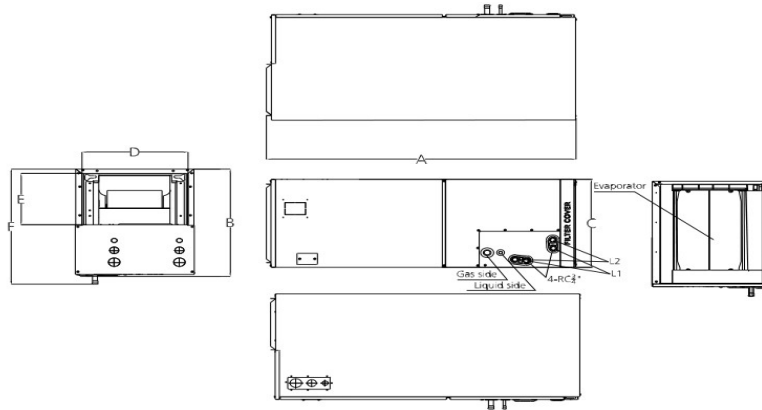
OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Refrigerant		R410A
Factory Charge Oil		1460±15ml
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		4412
Outdoor Noise Level (dBA)		64
Dimension (W×D×H)	inch	37-1/2 x 16-3/8 x 52-1/2
	mm	952 x 415 x 1333
Package (W×D×H)	inch	43-1/8 x 19-1/2 x 58-1/4
	mm	1095 x 495 x 1480
Net/Gross Weight	lbs	220/249
	kg	99.9/112.9

EFFICIENCY			
Cooling		Heating	
SEER2	15.6	HSPF2-4	9.4
EER2	8.2	COP	3.2
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated (Min/Max)		47000	
Sebsible @ AHRI		15000~48000	
Moisture Removal		4.96 L/H (10.47pint/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)		50000(11000~55000)	
2. @ 17°F Rated		36000	
3. @ 5°F Max: Capacity / COP		46000 / 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		Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB	
Operating at Max. Frequency			

ELECTRICAL	
Power Supply	208/230V, 1Ph, 60Hz
Outdoor/Indoor MCA	40/7.5
Connection Wiring	AWG 14-2
Outdoor/Indoor MOCP	50/15
Compressor RLA	33
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	6
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	5731(815~5700)
System Power Input @ Heating (W)	4652(830~5700)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

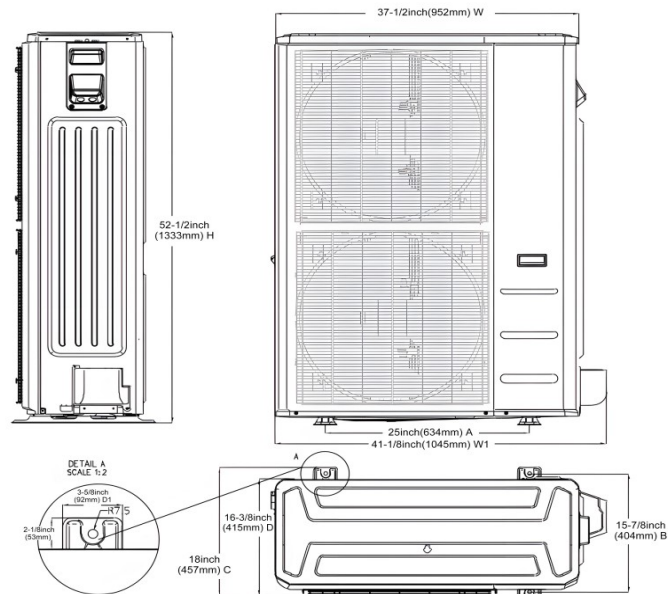
PIPING	
Liquid Size	3/8in (9.52mm)
Gas Size	3/4in (19mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	213.3ft (65m)
Max. Height Difference	98.4ft (30m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	169.31oz (4800g)
Additional Charge of Refrigerant	0.69oz/ft (65g/m)
Connection Method	Flared

Indoor Unit Dimension



Model	Unit	Dimensions(mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
18k-24k	mm	1143	534	445	400	260	585	Main drain	Overflow drain
	inch	45	21	17-1/2	15-3/4	10-1/4	23		
30k-48k	mm	1245	534	534	490	260	585		
	inch	49	21	21	19-5/16	10-1/4	23		
60k	mm	1346	534	622	580	260	585		
	inch	53	21	24-1/2	22-7/8	10-1/4	23		

Outdoor Unit Dimension



Fan performance

