

SUBMITTAL DATA SHEET

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

Set Code	
Indoor unit code	
Outdoor unit code	
Set Model	
Indoor unit model	IDUMSEPB-09HRFN1MY5W(GA)*4
Outdoor unit model	ODUM4OX630-36HFN1-M1X
Certified	
AHRI UL	 



SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity	(A)	36
Max.fuse	(A)	50
Connection wiring		14AWG*4 Stranded, unshielded
Cooling		
Capacity	(Btu/h)	36000(12000~42000)
Power Input	(W)	2885(770~4220)
Current	(A)	13.4(3.4~18.4)
SEER2	(Btu/W)	22.4
EER2	(Btu/W)	12.5
Heating		
Capacity	(Btu/h)	36000(12000~49000)
Power Input	(W)	2850(800~4660)
Current	(A)	13.1(3.5~20.3)
HSPF2-4	(Btu/W)	10.9
HSPF2-5	(Btu/W)	8.6
COP	W/W	3.70
Heat at 17F(H32)	(Btu/h)	27500
Heat at 5F(H42)	(Btu/h)	37000
COP at 5F(H42)	W/W	2.0

REFRIGERANT PIPE DATA

Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	148.0
Refrigerant precharge	(ft)	25x4
Additional charge for each ft (Φ6.35 (1/4") liquid pipe)	(oz/ft)	0.16
	(g/ft)	15.0
Additional charge for each ft (Φ9.52 (3/8") liquid pipe)	(oz/ft)	0.32
	(g/ft)	30.0
Liquid side	(inch)	4x1/4"
	(mm)	4x6.35
Gas side	(inch)	2x3/8"+2x1/2"
	(mm)	2x9.52+2x12.7
Max. length for all rooms	(ft)	262.46
	(m)	80
Max. length for one indoor unit	(ft)	114.83
	(m)	35
Max. height difference between indoor and outdoor unit	(ft)	49.21
	(m)	15
Max. height difference between indoor units	(ft)	33.0
	(m)	10.0

Outdoor(cooling)	(Deg. °F)	(-30)~122
	(Deg. °C)	-30 ~ 50
Outdoor(heating)	(Deg. °F)	-22 ~ 75
	(Deg. °C)	-30 ~ 24

OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		EAPQ420D1UMUA
Brand		GMCC
Capacity	(Btu/h)	44015
Input	(W)	3565
Rated current (RLA)	(A)	21.5
Refrigerant oil/oil charge	(ml)	1460±15mlESTER OIL VG74

Outdoor fan motor		
Model		ZKFN-250-10-1
Qty		1
Input	(W)	/
Output	(W)	250.00
RLA	(A)	1.5
Speed	(r/min)	750/700/650

Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	3035.29
Outdoor noise level	[dB(A)]	65

Outdoor unit		
Dimension (W×D×H)	(inch)	38.58x16.34x38.39
	(mm)	980x415x975
Packing (W×D×H)	(inch)	45.08x19.69x42.52
	(mm)	1145x500x1080
Net/ Gross weight	(lbs.)	213.85/246.92
	(kg)	97/112

Technical drawings of the outdoor unit showing front, side, and top views with dimensions in mm and inches.

- Front View (Top Right):** Shows the unit's width and height. Dimensions: 1090 [42 1/2] mm (width), 860 [33 1/2] mm (height), 280 [10 11/16] mm (lower section height).
- Side View (Bottom Right):** Shows the unit's depth and height. Dimensions: 675 [26 1/2] mm (depth), 415 [16 3/8] mm (height), 575 [22 5/8] mm (lower section height).
- Top View (Left):** Shows the unit's width and depth. Dimensions: 1075 [42 1/2] mm (width), 369 [14 1/2] mm (depth), 397 [15 5/8] mm (lower section depth).
- Bottom View (Right):** Shows the unit's width and depth. Dimensions: 440 [17 3/8] mm (width), 397 [15 5/8] mm (depth), 369 [14 1/2] mm (depth), 85 [3 1/2] mm (lower section depth).

