

SUBMITTAL DATA SHEET



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

<b>Set Code</b>	22022310003208
Indoor unit code	22023011003874
Outdoor unit code	22022316001306
<b>Set Model</b>	
Indoor unit model	MIU-A09D-2
Outdoor unit model	MOU-3A27H-2
<b>Certified</b>	AHRI UL



SYSTEM PERFORMANCE DATA			
<b>Power supply</b>			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
<b>Electrical</b>			
Minimum circuit ampacity	(A)	25.0	
Max.fuse	(A)	40.0	
Connection wiring		14AWG*4 Stranded, unshielded	
<b>Cooling</b>			
Capacity	(Btu/h)	28000(7600-33400)	
Power Input	(W)	2392(337-3614)	
Current	(A)	10.9(5.46-16.05)	
SEER2	(Btu/W)	20.0	
EER2	(Btu/W)	11.7	
<b>Heating</b>			
Capacity	(Btu/h)	28000(4500-38500)	
Power Input	(W)	2331(340-4120)	
Current	(A)	11.0(2.75-18.18)	
HSPF2-4	(Btu/W)	9.5	
HSPF2-5	(Btu/W)	7.5	
COP	W/W	3.52	
Heat at 17F(H32)	(Btu/h)	27000	
Heat at 5F(H42)	(Btu/h)	25000	
COP at 5F(H42)	W/W	1.80	

	(Deg. °F)	5-122
Outdoor(cooling)	(Deg. °C)	-15~-50
	(Deg. °F)	-22~-75
Outdoor(heating)	(Deg. °C)	-30~-24

REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	550/340	
Refrigerant Type		R410A	
Refrigerant charge	oz	134.0	
Refrigerant precharge	(ft)	25x3	
Additional charge for each ft (Φ 6.35 (1/4") liquid pipe)	(oz/ft)	0.16	
Additional charge for each ft (Φ 9.52 (3/8") liquid pipe)	(g/ft)	15.0	
	(oz/ft)	0.32	
	(g/ft)	30.0	
Liquid side	(inch)	3x1/4"	
	(mm)	3x6.35	
Gas side	(inch)	2x3/8"+1x1/2"	
	(mm)	2x9.52+1x12.7	
Max. length for all rooms	(ft)	196.9	
	(m)	60.0	
Max. length for one indoor unit	(ft)	98.4	
	(m)	30.0	
Max. height difference between indoor and outdoor unit	(ft)	49.2	
	(m)	15.0	
Max. height difference between indoor units	(ft)	33.0	
	(m)	10.0	

OUTDOOR UNIT DATA			
<b>Compressor</b>			
Type			ROTARY
Model			KTF310D43UMT
Brand			GMCC
Capacity	(Btu/h)		34154
Input	(W)		2765
Rated current (RLA)	(A)		17.5
Refrigerant oil/oil charge	(ml)		VG74/1000
<b>Outdoor fan motor</b>			
Model			ZKFN-120-8-2
Qty			1
Input	(W)		150.00
Output	(W)		120.00
RLA	(A)		1.00
Speed	(r/min)		1000/900/750
<b>Air flow &amp; Noise level</b>			
Outdoor air flow (Max.)	(CFM)		2147.06
Outdoor noise level	[dB(A)]		63.00
<b>Outdoor unit</b>			
Dimension (W×D×H)	(inch)		37.24x16.14x31.89
	(mm)		946x410x810
Packing (W×D×H)	(inch)		42.91x19.69x34.84
	(mm)		1090x500x885
Net/ Gross weight	(lbs.)		167.99/179.67
	(kg)		76.2/81.5

Outdoor unit dimension

