

SUBMITTAL DATA SHEET



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

Outdoor unit code	22022316001285		
Set Model			
Outdoor unit model	BMM27C Non-Ducted		
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)	24.5	
Max.fuse	(A)	30.0	
Connection wiring		14AWG*4 Stranded, unshielded	
Cooling			
Capacity	(Btu/h)	27000(8500~32000)	
Power Input	(W)	2250(310~3200)	
Current	(A)	11(3.3~15.0)	
SEER2	(Btu/W)	23.5	
EER2	(Btu/W)	12.2	
Heating			
Capacity	(Btu/h)	28000(8200~35000)	
Power Input	(W)	2250(480~3170)	
Current	(A)	11(4.1~14.6)	
HSPF2-4	(Btu/W)	9.2	
COP	W/W	3.65	
Heat at 17F(H32)	(Btu/h)	20000	
Heat at 5F(H42)	(Btu/h)	19000	
COP at 5F(H42)	W/W	2.00	

Outdoor(cooling)	(Deg. F)	5~122
Outdoor(heating)	(Deg. F)	-13~75

REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	550/340	
Refrigerant Type		R410A	
Refrigerant charge	oz	91.7	
Refrigerant precharge	(ft)	74.0	
Additional charge for each ft (Φ6.35 (1/4") liquid pipe)	(oz/ft)	0.16	
Additional charge for each ft (Φ9.52 (3/8") liquid pipe)	(oz/ft)	0.32	
Liquid side	(inch)	3x1/4"	
Gas side	(inch)	3x3/8"	
Max. length for all rooms	(ft)	196.9	
Max. length for one indoor unit	(ft)	98.4	
Max. height difference between indoor and outdoor unit	(ft)	49.2	
Max. height difference between indoor units	(ft)	33.0	

OUTDOOR UNIT DATA			
Compressor			
Type		Twin-ROTARY	
Model		KTM240D43UKT	
Brand		GMCC	
Capacity	(Btu/h)	25931	
Input	(W)	2045	
Rated current (RLA)	(A)	14	
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 620	
Outdoor fan motor			
Model		ZKFN-120-8-2	
Qty		1	
Input	(W)	150.00	
Output	(W)	120.00	
RLA	(A)	1.70	
Speed	(r/min)	1050/900/850	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	2129.41	
Outdoor noise level	[dB(A)]	60.00	
Outdoor unit			
Dimension (W×D×H)	(inch)	37.24x16.14x31.89	
Packing (W×D×H)	(inch)	42.91x19.69x34.84	
Net/ Gross weight	(lbs.)	139.77/150.57	

Outdoor unit dimension

