

# SUBMITTAL DATA SHEET



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

Outdoor unit code	22022316001285		
<b>Set Model</b>			
Outdoor unit model	BMM27C Mixed ducted and non ducted indoor units		
<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)	24.5	
Max.fuse	(A)	30.0	
Connection wiring		14AWG*4 Stranded, unshielded	
<b>Cooling</b>			
Capacity	(Btu/h)	27400(8889~31388)	
Power Input	(W)	2325(318~3049)	
Current	(A)	11.25(2.75~13.89)	
SEER2	(Btu/W)	22.25	
EER2	(Btu/W)	11.95	
<b>Heating</b>			
Capacity	(Btu/h)	28000(8294~31935)	
Power Input	(W)	2248(488~2926)	
Current	(A)	10.75(3.4~13.22)	
HSPF2-4	(Btu/W)	9.2	
COP	W/W	3.65	
Heat at 17F(H32)	(Btu/h)	21000	
Heat at 5F(H42)	(Btu/h)	18800	
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		
<b>Compressor</b>		
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
<b>Outdoor fan motor</b>		
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
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	2129.41
Outdoor noise level	[dB(A)]	60.00
<b>Outdoor unit</b>		
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

