

SUBMITTAL DATA SHEET



Multi Zone Heat Pump

Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

Outdoor unit code 22022316001646
 Outdoor unit model BMM48C mixed ducted
 and non ducted indoor units

Certified

AHRI



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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)	40.0
Max.fuse	(A)	60.0
Connection wiring	14AWG*4 Stranded, unshielded	
Cooling		
Capacity	(Btu/h)	48000(15500~50350)
Power Input	(W)	4440(705~5140)
Current	(A)	20.7(3.8~23.4)
SEER2	(Btu/W)	20.8
EER2	(Btu/W)	10.9
Heating		
Capacity	(Btu/h)	49000(24250~54450)
Power Input	(W)	4160(1900~5150)
Current	(A)	19.1(8.8~23.4)
HSPF2-4	(Btu/W)	9.6
COP	W/W	3.45
Heat at 17F(H32)	(Btu/h)	36000
Heat at 5F(H42)	(Btu/h)	33000
COP at 5F(H42)	W/W	1.75

REFRIGERANT PIPE DATA

Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	162.0
Refrigerant precharge	(ft)	25x5
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)	(g/ft)	15.0
	(oz/ft)	0.32
	(g/ft)	30.0
Liquid side	(inch)	5x1/4"
	(mm)	5x6.35
Gas side	(inch)	3x3/8"+2x1/2"
	(mm)	3x9.52+2x12.7
Max. length for all rooms	(ft)	262.5
	(m)	80.0
Max. length for one indoor unit	(ft)	114.8
	(m)	35.0
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(cooling)	(Deg. °F)	5~122
	(Deg. °C)	-15~50
Outdoor(heating)	(Deg. °F)	-13~75
	(Deg. °C)	-25~24

OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		ATQ360D1UMU
Brand		GMCC
Capacity	(Btu/h)	38214
Input	(W)	3040
Rated current (RLA)	(A)	24
Refrigerant oil/oil charge	(ml)	VG74/1400

Outdoor fan motor

Model		ZKFN-85-8-22-5
Qty		2
Input	(W)	126.00
Output	(W)	85.00
RLA	(A)	2.50
Speed	(r/min)	900/850/800/750

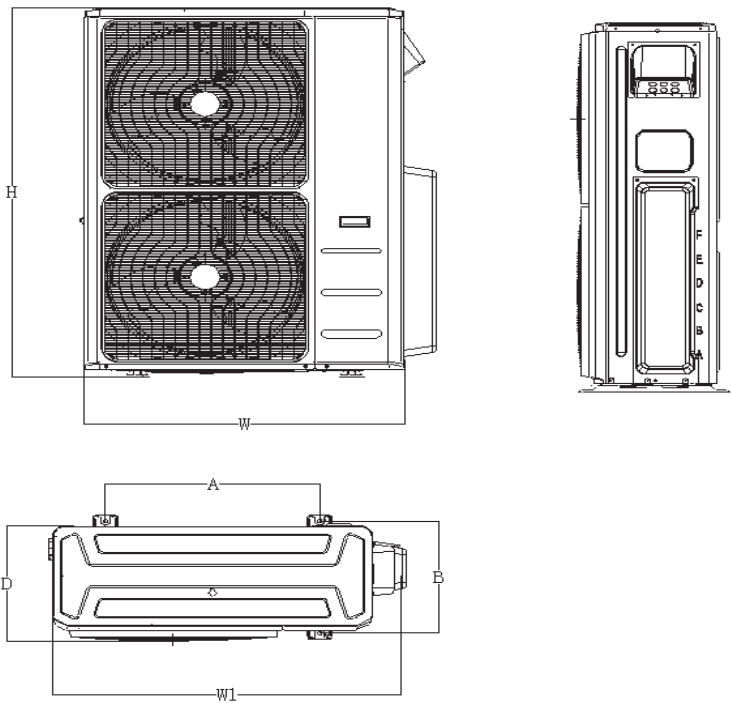
Air flow & Noise level

Outdoor air flow (Max.)	(CFM)	4500.00
Outdoor noise level	[dB(A)]	62.00

Outdoor unit

Dimension (W×D×H)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (W×D×H)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	225.53/256.62
	(kg)	102.3/116.4

Outdoor unit dimension



Unit	W	D	H	W1	A	B
mm	952	415	1333	1060	634	404
inch	37.5	16.3	52.5	41.7	25.0	15.9