

SUBMITTAL DATA SHEET



Multi Zone Heat Pump

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

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

Outdoor unit code 22022316001165

Outdoor unit model BMM48HHC Non-ducted

Ceritified

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) 40.0
 Max.fuse (A) 60.0
 Connection wiring 14AWG*4 Stranded, unshielded

Cooling

Capacity (Btu/h) 48000(12700~48500)
 Power Input (W) 4364(900~4650)
 Current (A) 19.97(6.3~20.5)
 SEER2 (Btu/W) 21.2
 EER2 (Btu/W) 11.0

Heating

Capacity (Btu/h) 49000(24400~62000)
 Power Input (W) 4100(1620~5700)
 Current (A) 19.0(7.8~25)
 HSPF2-4 (Btu/W) 10.0

COP

Heat at 17F(H32) (Btu/h) 39000
 Heat at 5F(H42) (Btu/h) 45000
 COP at 5F(H42) W/W 2.00

Outdoor(cooling) (Deg. °F) 5~122

Outdoor(heating) (Deg. °F) -22~75

OUTDOOR UNIT DATA

Compressor

Type ROTARY
 Model EAPQ420D1UMUA
 Brand GMCC
 Capacity (Btu/h) 44015
 Input (W) 3565
 Rated current (RLA) (A) 30
 Refrigerant oil/oil charge (ml) 1460±15mLESTER OIL VG74

Outdoor fan motor

Model ZKFN-85-8-22-5
 Qty 2
 Input (W) 126.00
 Output (W) 85.00
 RLA (A) 1.00
 Speed (r/min) 900/850/800/750

Air flow & Noise level

Outdoor air flow (Max.) (CFM) 4500.00
 Outdoor noise level [dB(A)] 64.00

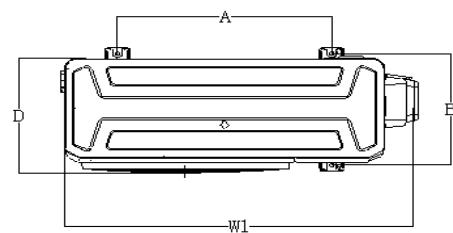
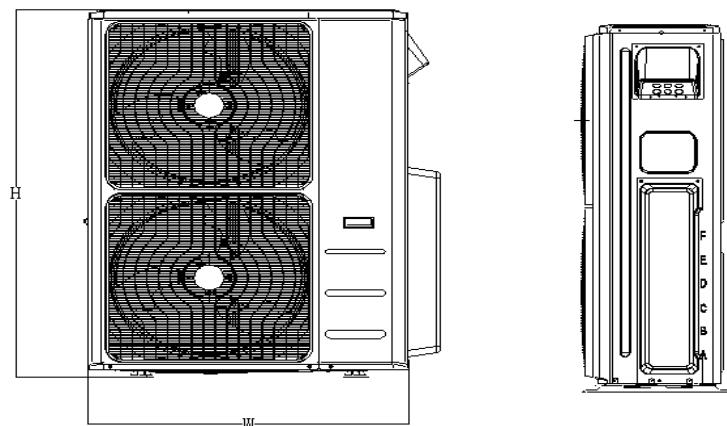
Outdoor unit

Dimension (WxDxH) (inch) 37.48x16.34x52.48
 Packing (WxDxH) (inch) 43.11x19.49x58.27
 Net/ Gross weight (lbs.) 238.32/269.84

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)	0.16
Additional charge for each ft (Φ9.52 (3/8") liquid pipe)	0.32
Liquid side (inch)	5x1/4"
Gas side (inch)	3x3/8"+2x1/2"
Max. length for all rooms (ft)	262.5
Max. length for one indoor unit (ft)	114.8
Max. height difference between indoor and outdoor unit (ft)	49.2
Max. height difference between indoor units (ft)	33.0

Outdoor unit dimension



Unit ²	W ²	D ²	H ²	W1 ²	A ²	B ²
inch ²	37.5 ²	16.3 ²	52.5 ²	41.7 ²	25.0 ²	15.9 ²