

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

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) 42.0
 Max.fuse (A) 50.0
 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
 HSPF2-5 (Btu/W) 8.0
 COP W/W 3.50
 Heat at 17F(H32) (Btu/h) 39000
 Heat at 5F(H42) (Btu/h) 45000
 COP at 5F(H42) W/W 2.00

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
 (g/ft) 15.0
 Additional charge for each ft (Φ9.52 (3/8") liquid pipe) (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) -22~75
 (Deg. °C) -30~24

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

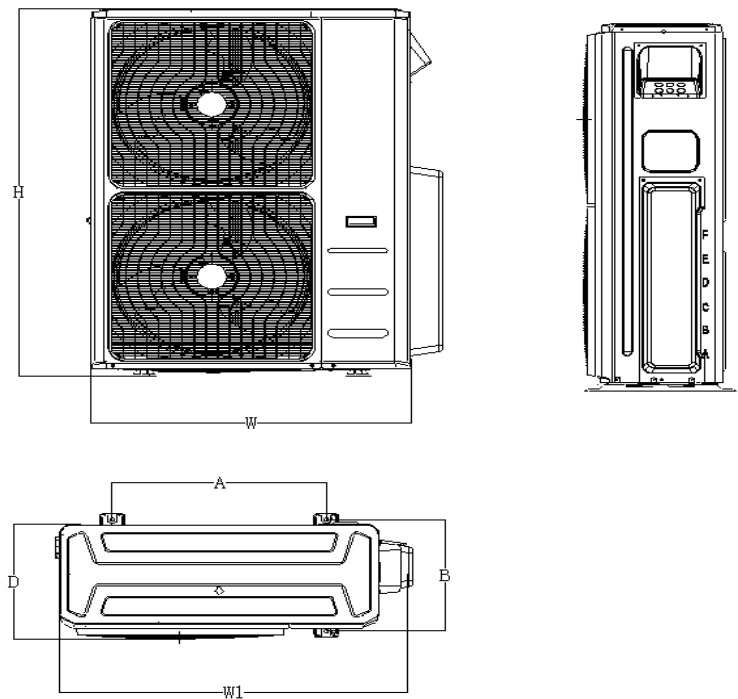
Air flow & Noise level

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

Outdoor unit

Dimension (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.) 238.32/269.84
 (kg) 108.1/122.4

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