

# SUBMITTAL DATA SHEET



## Multi Zone Heat Pump

Location: \_\_\_\_\_  
 Engineer: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Reference: \_\_\_\_\_

Approval: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Construction: \_\_\_\_\_  
 Unit #: \_\_\_\_\_  
 Drawing #: \_\_\_\_\_

Outdoor unit code 22022316001765  
 Outdoor unit model BMM55C 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) 55000(15500~57000)  
 Power Input (W) 5238(705~5925)  
 Current (A) 23.5(3.8~26.6)  
 SEER2 (Btu/W) 19.6  
 EER2 (Btu/W) 10.5

### Heating

Capacity (Btu/h) 55000(24250~62300)  
 Power Input (W) 5001(1900~5625)  
 Current (A) 22(8.8~25.75)  
 HSPF2-4 (Btu/W) 9.1

COP W/W 3.22  
 Heat at 17F(H32) (Btu/h) 35800  
 Heat at 5F(H42) (Btu/h) 33200  
 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) (oz/ft) 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(cooling) (Deg. °F) 5~122  
 Outdoor(heating) (Deg. °F) -13~75

## OUTDOOR UNIT DATA

### Compressor

Type ROTARY  
 Model KTQ420D1UMU  
 Brand GMCC  
 Capacity (Btu/h) 46744  
 Input (W) 3700  
 Rated current (RLA) (A) 25.0  
 Refrigerant oil/oil charge (ml) VG74/1400

### Outdoor fan motor

Model ZKFN-85-8-22-5  
 Qty 2  
 Input (W) 126.0  
 Output (W) 85.0  
 RLA (A) 2.5  
 Speed (r/min) 900/850/800/750

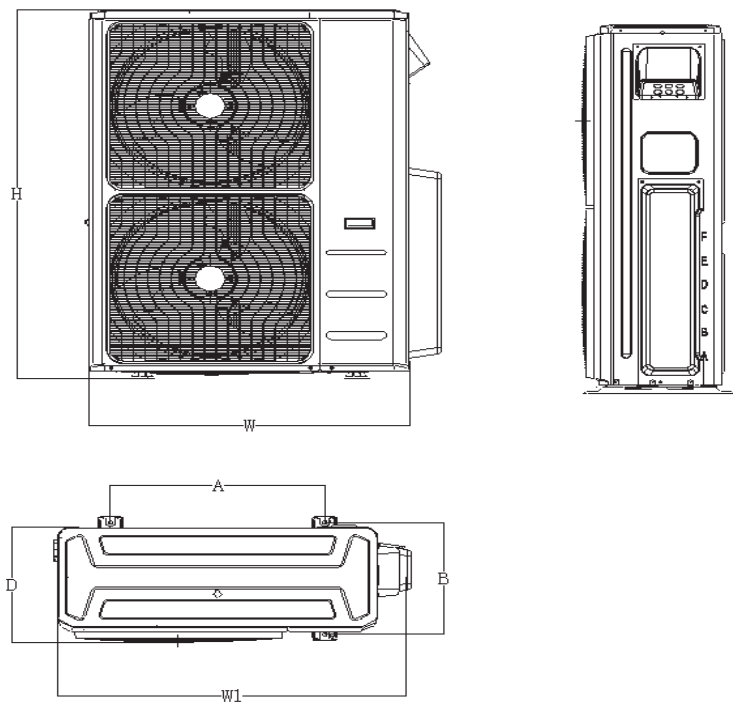
### Air flow & Noise level

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  
 Packing (W×D×H) (inch) 43.11x19.49x58.27  
 Net/ Gross weight (lbs.) 224.21/257.28

Outdoor unit dimension



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