# SUBMITTAL DATA SHEET

**BLUERIDGE**

## Multi Zone Heat Pump

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

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

| | |
|---|---|
| Outdoor unit code | 22022316001766 |
| Outdoor unit model | BMM55HHC   Non-Ducted |
| **Ceritified** | **AHRI**   AHRI CERTIFIED |
| | **UL**   c UL us LISTED   ENERGY STAR |

## 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(11600~56500) |
| Powrer Input | (W) | 5238(810~5800) |
| Current | (A) | 23.5(3.9~26) |
| SEER2 | (Btu/W) | 20.0 |
| EER2 | (Btu/W) | 10.5 |

### Heating
| | | |
|---|---|---|
| Capacity | (Btu/h) | 55000(33000~63000) |
| Powrer Input | (W) | 5117(2860~5650) |
| Current | (A) | 22.5(12.7~25.5) |
| HSPF2-4 | (Btu/W) | 9.3 |
| COP | W/W | 3.15 |
| Heat at 17F(H32) | (Btu/h) | 34800 |
| Heat at 5F(H42) | (Btu/h) | 45500 |
| COP at 5F(H42) | W/W | 1.80 |

## REFRIGERANT PIPE DATA
| | | |
|---|---|---|
| Design pressure | (PSIG) | 550/340 |
| Refrigerant  Type | | R410A |
| Refrigerant charge | oz | 162.3 |
| 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. ℉) | 5~122 |
| Outdoor(heating) | (Deg. ℉) | -22～75 |

## OUTDOOR UNIT DATA

### Compressor
| | | |
|---|---|---|
| Type | | ROTARY |
| Model | | EAPQ420D1UMUA |
| Brand | | GMCC |
| Capacity | (Btu/h) | 44015 |
| Input | (W) | 3565 |
| Rated current (RLA) | (A) | 25 |
| 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) | 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 |
| Packing  (W×D×H) | (inch) | 43.11x19.49x58.27 |
| Net/ Gross weight | (lbs.) | 233.03/265.87 |

## Outdoor unit dimension
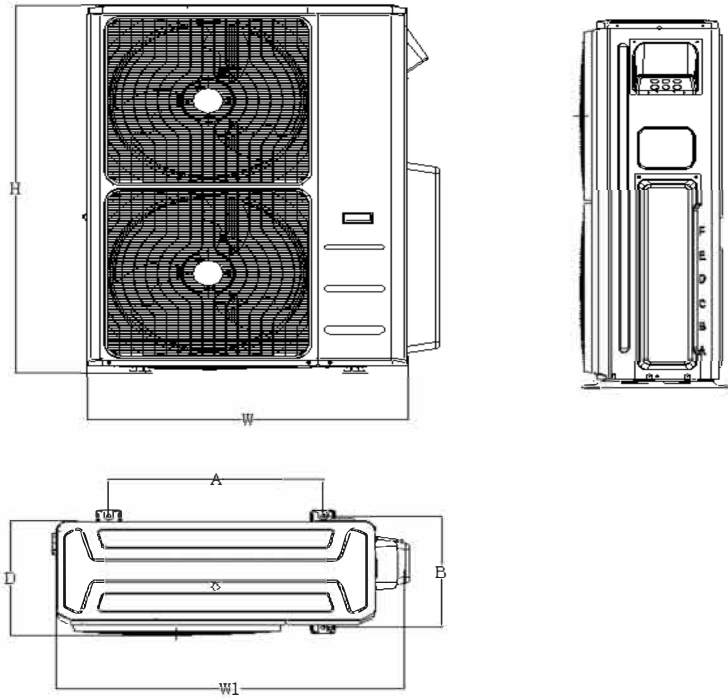
| Unit | W | D | H | W1 | A | B |
|------|------|------|------|------|------|------|
| inch | 37.5 | 16.3 | 52.5 | 41.7 | 25.0 | 15.9 |