

Wall Mounted Heat Pump System

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

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

Set Code 22022010017977
 Indoor unit code 22022011016725
 Outdoor unit code 22022016015920

Set Model
 Indoor unit model **BFMS24PL-01I**
 Outdoor unit model **BFMS24PR-01O**

Certified
 AHRI
 UL LISTED

SYSTEM PERFORMANCE DATA

| | | |
|-----------------------------------|-------------|-------------------|
| Power supply | | |
| Normal Operational Voltage | (V, Ph, Hz) | 208/230V,1Ph,60Hz |
| Voltage Range | (V) | 187~253 |
| Electrical | | |
| Minimum circuit ampacity(Outdoor) | (A) | 25.0 |
| Max.fuse(Outdoor) | (A) | 35.0 |
| Connection wiring | | 14AWG*4 |
| Cooling | | |
| Capacity | (Btu/h) | 23000(4650~26600) |
| Power Input | (W) | 1840(484~2540) |
| Current | (A) | 8.25(2.1~11) |
| SEER2 | (Btu/W) | 22.3 |
| EER2 | (Btu/W) | 12.5 |
| Heating | | |
| Capacity | (Btu/h) | 26000(9550~27000) |
| Power Input | (W) | 2540(810~3090) |
| Current | (A) | 11.38(3.5~13.4) |
| HSPF2-4 | (Btu/W) | 10.3 |
| HSPF2-5 | (Btu/W) | 7.7 |
| COP | W/W | 3.00 |
| Heat at 17F(H32) | (Btu/h) | 18900 |
| Heat at 5F(H42) | (Btu/h) | 23000 |
| COP at 5F(H42) | W/W | 1.80 |

REFRIGERANT PIPE DATA

| | | |
|--------------------------------|--------------|--------------------|
| Throttle type | Indoor unit | N/A |
| | Outdoor unit | EXV+Throttle valve |
| Design pressure | (PSIG) | 550/340 |
| Refrigerant Type | | R410A |
| Refrigerant charge | oz | 91.71 |
| Refrigerant precharge | (ft) | 25.0 |
| | (m) | 7.5 |
| Additional charge for each ft | (oz/ft) | 0.32 |
| Additional charge for each m | (g/m) | 30.0 |
| Liquid side/ Gas side(indoor) | (inch) | 3/8"/5/8" |
| | (mm) | 9,52/15,9 |
| Liquid side/ Gas side(outdoor) | (inch) | 3/8"/5/8" |
| | (mm) | 9,52/15,9 |
| Max. pipe length | (ft) | 164.0 |
| | (m) | 50.0 |
| Max. difference in level | (ft) | 82.0 |
| | (m) | 25.0 |
| Connection method | | Flared |
| Indoor(cooling) | (Deg. °F) | 60~90 |
| | (Deg. °C) | 16~32 |
| Indoor(heating) | (Deg. °F) | 32~86 |
| | (Deg. °C) | 0~30 |
| Outdoor(cooling) | (Deg. °F) | -22~122 |
| | (Deg. °C) | -30~50 |
| Outdoor(heating) | (Deg. °F) | -22~75 |
| | (Deg. °C) | -30~24 |



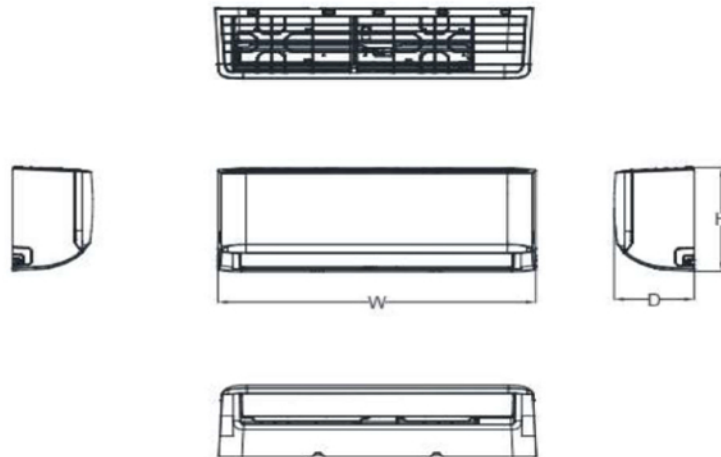
INDOOR UNIT DATA

| | | |
|---------------------------------------|---------|-----------------------------|
| Indoor fan motor | | |
| Model | | ZKFP-58-8-1-5 |
| Qty | | 1 |
| Input | (W) | 58.00 |
| Output | (W) | 58.0 |
| RLA | (A) | 0.4 |
| Speed(Hi/Mi/Lo) | (r/min) | 1200/1080/600 |
| Air flow & Noise level | | |
| Indoor air flow (Hi/Med/Lo) (No duct) | (CFM) | 760,59/601,18/458,82/382,35 |
| Indoor noise level (Hi/Med/Lo) | [dB(A)] | 46.5/44/35 |
| Dehumidification | (L/H) | 2.43 |
| Indoor unit | | |
| Dimension (WxDxH) | (inch) | 42.60x9.21x13.27 |
| | (mm) | 1082x234x337 |
| Packing(WxDxH) | (inch) | 45.47x16.34x12.40 |
| | (mm) | 1155x415x315 |
| Net/Gross weight | (lbs.) | 29,98/38,14 |
| | (kg) | 13,6/17,3 |

OUTDOOR UNIT DATA

| | | |
|-----------------------------------|---------|--------------------|
| Compressor | | |
| Type | | Twin-ROTARY |
| Model | | KTM240D43UKT |
| Brand | | GMCC |
| Capacity | (Btu/h) | 25931 |
| Input | (W) | 2045 |
| Rated current (RLA) | (A) | 17.1 |
| Refrigerant oil/oil charge | (ml) | ESTER OIL VG74 620 |
| Outdoor fan motor | | |
| Model | | ZKFN-120-8-2 |
| Qty | | 1 |
| Input | (W) | 150.0 |
| Output | (W) | 120 |
| RLA | (A) | 0.5 |
| Speed | (r/min) | 950/800/500 |
| Air flow & Noise level | | |
| Outdoor air flow (Max.) | (CFM) | 2235 |
| Outdoor noise level | [dB(A)] | 62.5 |
| Outdoor unit | | |
| Dimension (WxDxH) | (inch) | 37.24x16.14x31.89 |
| | (mm) | 946x410x810 |
| Packing (WxDxH) | (inch) | 42.91x19.69x34.84 |
| | (mm) | 1090x500x885 |
| Net/ Gross weight | (lbs.) | 134,48/144,40 |
| | (kg) | 61/65.5 |

Indoor unit dimension



| Capacity | Body Code | W | D | H |
|-----------|-----------|--------|--------|--------|
| 6K - 11K | A | 28.70" | 7.87" | 11.50" |
| 8K - 14K | B | 31.57" | 7.87" | 11.61" |
| 12K - 21K | C | 38.23" | 8.98" | 12.64" |
| 18K - 28K | D | 42.60" | 9.21" | 13.27" |
| 27K - 36K | F | 49.57" | 11.14" | 14.25" |

Outdoor unit dimension

