



SUBMITTAL DATA SHEET

| | |
|---|---------------------|
| Ceiling&Floor Heat Pump System | |
| Location: _____ | Approval: _____ |
| Engineer: _____ | Date: _____ |
| Submitted to: _____ | Construction: _____ |
| Submitted by: _____ | Unit #: _____ |
| Reference: _____ | Drawing #: _____ |

| | |
|--------------------|----------------|
| Set Code | 22022710003699 |
| Indoor unit code | 22022711000421 |
| Outdoor unit code | 22022016015920 |
| Set Model | |
| Indoor unit model | MIU-A24F-2 |
| Outdoor unit model | MOU-A24H-2 |
| Certified | |



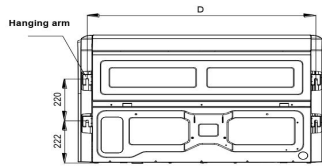
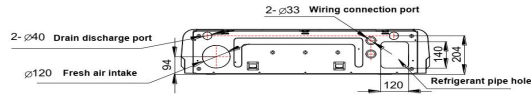
| SYSTEM PERFORMANCE DATA | | | |
|-----------------------------------|-------------|---------------------|--|
| Power supply | | | |
| Normal Operational Voltage | (V, Ph, Hz) | 208/230V, 1Ph, 60Hz | |
| Voltage Range | (V) | 187-253 | |
| Electrical | | | |
| Minimum circuit ampacity(Outdoor) | (A) | 25.0 | |
| Max.fuse(Outdoor) | (A) | 35.0 | |
| Connection wiring | | 14#x4 | |
| Cooling | | | |
| Capacity | (Btu/h) | 24000(5400~26800) | |
| Power Input | (W) | 2087(250~2400) | |
| Current | (A) | 9.55(2.0~11.0) | |
| SEER2 | (Btu/W) | 20.5 | |
| EER2 | (Btu/W) | 11.7 | |
| Heating | | | |
| Capacity | (Btu/h) | 25000(12500~30500) | |
| Power Input | (W) | 2060(730~2500) | |
| Current | (A) | 9.15(5.0~11.0) | |
| HSPF2-4 | (Btu/W) | 11.0 | |
| HSPF2-5 | (Btu/W) | 9.0 | |
| COP | W/W | 3.56 | |
| Heat at 17F(H32) | (Btu/h) | 19000 | |
| Heat at 5F(H42) | (Btu/h) | 25000 | |
| COP at 5F(H42) | W/W | 2.10 | |

| INDOOR UNIT DATA | | | |
|---------------------------------------|---------|-------------------------|--|
| Indoor fan motor | | | |
| Model | | ZKFN-90-8-1 | |
| Qty | | 1.00 | |
| Input | (W) | 96.00 | |
| Output | (W) | 90.0 | |
| RLA | (A) | 0.00 | |
| Speed(Hi/Mi/Lo) | (r/min) | 1350/1260/1120 | |
| Air flow & Noise level | | | |
| Indoor air flow (Hi/Med/Lo) (No duct) | (CFM) | ///758.82/708.24/598.24 | |
| Indoor noise level (Hi/Med/Lo) | [dB(A)] | 51/47.5/42 | |
| Dehumidification | | | |
| | (L/H) | 3.06 | |
| Indoor unit | | | |
| Dimension (WxDxH) | (inch) | 42.05x26.57x9.25 | |
| | (mm) | 1068x675x235 | |
| Packing(WxDxH) | (inch) | 45.08x29.72x12.52 | |
| | (mm) | 1145x755x318 | |
| | (lbs.) | 60.63/72.09 | |
| Net/Gross weight | (kg) | 27.5/32.7 | |

| 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 | |
| | (ft) | 25.0 | |
| Refrigerant precharge | (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) | 62~90 | |
| | (Deg. °C) | 17~32 | |
| 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 | |

| 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) | 150.00 | |
| Output | (W) | 120.00 | |
| RLA | (A) | 0.50 | |
| Speed | (r/min) | 950/800/500 | |
| Air flow & Noise level | | | |
| Outdoor air flow (Max.) | (CFM) | 2235.3 | |
| Outdoor noise level | [dB(A)] | 62.5 | |
| Outdoor unit | | | |
| Dimension (W×D×H) | (inch) | 37.24x16.14x31.89 | |
| | (mm) | 946x410x810 | |
| Packing (W×D×H) | (inch) | 42.91x19.69x34.84 | |
| | (mm) | 1090x500x885 | |
| | (lbs.) | 134.48/144.40 | |
| Net/ Gross weight | (kg) | 61/65.5 | |

Indoor unit dimension



| Capacity (Btu/h) | Unit | A | B | C | D |
|------------------|------|-------|-------|------|-------|
| 18K / 24K | mm | 1068 | 675 | 235 | 983 |
| | inch | 42.05 | 26.57 | 9.25 | 38.70 |
| 36K | mm | 1285 | 675 | 235 | 1200 |
| | inch | 50.59 | 26.57 | 9.25 | 47.24 |
| 48K/60K | mm | 1650 | 675 | 235 | 1565 |
| | inch | 64.96 | 26.57 | 9.25 | 61.61 |

Outdoor unit dimension

