



SUBMITTAL DATA SHEET

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

| | |
|--------------------|----------------|
| Set Code | 22023010005827 |
| Indoor unit code | 22023011003415 |
| Outdoor unit code | 22023116000121 |
| Set Model | |
| Indoor unit model | MIU-A36LD-2 |
| Outdoor unit model | MOU-A36L-2 |
| Certified | |
| AHRI | |
| CSA | |



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) | 30.0 |
| Max.fuse(Outdoor) | (A) | 45.0 |
| Connection wiring | 14AWG*2 Stranded, shielded | |
| Cooling | | |
| Capacity | (Btu/h) | 36000(8900~36000) |
| Power Input | (W) | 4091(351~4286) |
| Current | (A) | 18.63(2.85~18.63) |
| SEER2 | (Btu/W) | 15.8 |
| EER2 | (Btu/W) | 8.8 |
| Heating | | |
| Capacity | (Btu/h) | 40000(12700~40000) |
| Power Input | (W) | 3539(776~3539) |
| Current | (A) | 15.39(5.44~15.39) |
| HSPF2-4 | (Btu/W) | 8.8 |
| HSPF2-5 | (Btu/W) | 7.0 |
| COP | W/W | 3.30 |
| Heat at 17F(H32) | (Btu/h) | 25000 |
| Heat at 5F(H42) | (Btu/h) | 22000 |
| COP at 5F(H42) | W/W | 1.91 |

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 | 112.88 |
| 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) | 213.3 |
| | (m) | 65.0 |
| Max. difference in level | (ft) | 98.4 |
| | (m) | 30.0 |
| 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) | 5~122 |
| | (Deg. °C) | -15~50 |
| Outdoor(heating) | (Deg. °F) | -13~75 |
| | (Deg. °C) | -25~24 |

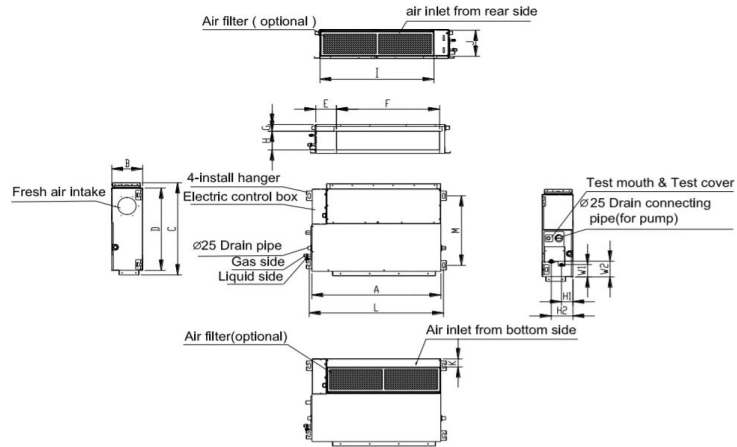
INDOOR UNIT DATA

| | | |
|---------------------------------------|--------------|-------------------------|
| Indoor fan motor | | |
| Model | ZKFN-300-8-1 | |
| Qty | 1 | |
| Input | (W) | 250.00 |
| Output | (W) | 300.0 |
| RLA | (A) | 1.6 |
| Speed(Hi/Mi/Lo) | (r/min) | 1130/1050/990 |
| Air flow & Noise level | | |
| Indoor air flow (Hi/Med/Lo) (No duct) | (CFM) | //1081.76/912.35/702.94 |
| Indoor noise level (Hi/Med/Lo) | [dB(A)] | 48.0/43.5/40.5 |
| Dehumidification | (L/H) | 3.2/3.37 |
| Indoor unit | | |
| Dimension (WxDxH) | (inch) | 53.54x30.47x9.80 |
| | (mm) | 1360x774x249 |
| Packing(WxDxH) | (inch) | 61.81x31.69x12.99 |
| | (mm) | 1570x805x330 |
| Net/Gross weight | (lbs.) | 110.89/128.09 |
| | (kg) | 50.3/58.1 |

OUTDOOR UNIT DATA

| | | |
|-----------------------------------|--------------|-------------------|
| Compressor | | |
| Type | ROTARY | |
| Model | KTF310D43UMT | |
| Brand | GMCC | |
| Capacity | (Btu/h) | 34154 |
| Input | (W) | 2765 |
| Rated current (RLA) | (A) | 23.5 |
| Refrigerant oil/oil charge | (ml) | VG74/1000 |
| Outdoor fan motor | | |
| Model | ZKFN-120-8-2 | |
| Qty | 1 | |
| Input | (W) | 150.0 |
| Output | (W) | 120 |
| RLA | (A) | 1.4 |
| Speed | (r/min) | 950/800/500 |
| Air flow & Noise level | | |
| Outdoor air flow (Max.) | (CFM) | 3000 |
| Outdoor noise level | [dB(A)] | 65.0 |
| Outdoor unit | | |
| Dimension (WxDxH) | (inch) | 37.24x16.14x31.89 |
| | (mm) | 946x410x810 |
| Packing (WxDxH) | (inch) | 42.91x19.69x34.84 |
| | (mm) | 1090x500x885 |
| Net/ Gross weight | (lbs.) | 155.42/166.23 |
| | (kg) | 70.5/75.4 |

Indoor unit dimension(internal pump)



| Model (KBtu/h) | unit | A | B | C | D | E | F | G | H | I | J | K | L | M | H1 | H2 | W1 | W2 |
|----------------|------|------|------|------|------|-----|------|-----|-----|------|------|-----|------|------|-----|-----|-----|-----|
| 9/12 | mm | 700 | 200 | 506 | 450 | 137 | 537 | 30 | 152 | 599 | 186 | 50 | 741 | 360 | 84 | 140 | 84 | 84 |
| | inch | 27.6 | 7.9 | 19.9 | 17.7 | 5.4 | 21.1 | 1.2 | 6.0 | 23.6 | 7.3 | 2.0 | 29.2 | 14.2 | 3.3 | 5.5 | 3.3 | 3.3 |
| 18 | mm | 880 | 210 | 674 | 600 | 140 | 706 | 50 | 136 | 782 | 190 | 40 | 920 | 508 | 78 | 148 | 88 | 112 |
| | inch | 34.6 | 8.3 | 26.5 | 23.6 | 5.5 | 27.8 | 2.0 | 5.4 | 30.8 | 7.5 | 1.6 | 36.2 | 20.0 | 3.1 | 5.8 | 3.5 | 4.4 |
| 24 | mm | 1100 | 249 | 774 | 700 | 140 | 926 | 50 | 175 | 1001 | 228 | 5 | 1140 | 598 | 80 | 150 | 130 | 155 |
| | inch | 43.3 | 9.8 | 30.5 | 27.6 | 5.5 | 36.5 | 2.0 | 6.9 | 39.4 | 9.0 | 0.2 | 44.9 | 23.5 | 3.1 | 5.9 | 5.1 | 6.1 |
| 36 | mm | 1360 | 249 | 774 | 700 | 140 | 1186 | 50 | 175 | 1261 | 228 | 5 | 1400 | 598 | 80 | 150 | 130 | 155 |
| | inch | 53.5 | 9.8 | 30.5 | 27.6 | 5.5 | 46.7 | 2.0 | 6.9 | 49.6 | 9.0 | 0.2 | 55.1 | 23.5 | 3.1 | 5.9 | 5.1 | 6.1 |
| 48 | mm | 1200 | 300 | 874 | 800 | 123 | 1044 | 50 | 227 | 1101 | 280 | 5 | 1240 | 697 | 80 | 150 | 185 | 210 |
| | inch | 47.2 | 11.8 | 34.4 | 31.5 | 4.8 | 41.1 | 2.0 | 8.9 | 43.3 | 11.0 | 0.2 | 48.8 | 27.4 | 3.1 | 5.9 | 7.3 | 8.3 |

Outdoor unit dimension

