



SUBMITTAL DATA SHEET

Duct Heat Pump System

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

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

| | | |
|------------------|---------------------------------|------------------------------------|
| Set Model | Indoor unit model CCOXHASD24 | Outdoor unit model CCOXHASZ24HP |
| Certified | AHRI | |
| | UL | |



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) | 24000(6500~27800) |
| Power Input | (W) | 2000(280~2400) |
| Current | (A) | 8.52(2.1~11.0) |
| SEER2 | (Btu/W) | 19.2 |
| EER2 | (Btu/W) | 12.0 |
| Heating | | |
| Capacity | (Btu/h) | 25000(12200~32200) |
| Power Input | (W) | 2220(670~2500) |
| Current | (A) | 8.19(4.6~11.3) |
| HSPF2-4 | (Btu/W) | 10.5 |
| HSPF2-5 | (Btu/W) | 8.8 |
| COP | W/W | 3.30 |
| Heat at 17F(H32) | (Btu/h) | 21000 |
| Heat at 5F(H42) | (Btu/h) | 27000 |
| COP at 5F(H42) | W/W | 2.00 |

REFRIGERANT PIPE DATA

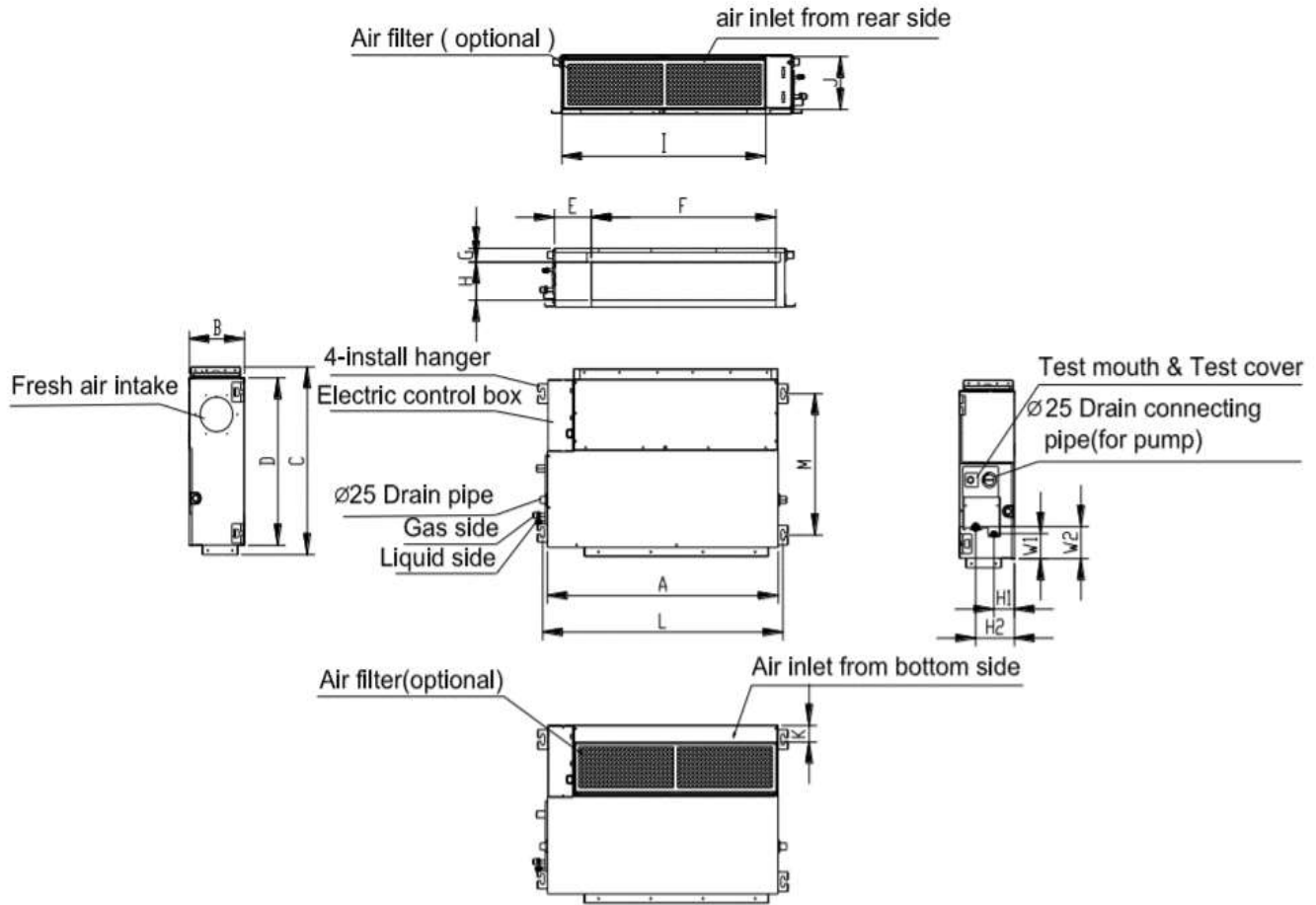
| | | |
|--------------------------------|--------------|--------------------|
| Throttle type | Indoor unit | N/A |
| | Outdoor unit | EXV+Throttle valve |
| Design pressure | (PSIG) | 550/340 |
| Refrigerant Type | | R410A |
| Refrigerant charge | oz | 91.71 |
| Refrigerant precharge | (ft) | 25.0 |
| Additional charge for each ft | (oz/ft) | 0.32 |
| Liquid side/ Gas side(indoor) | (inch) | 3/8"/5/8" |
| Liquid side/ Gas side(outdoor) | (inch) | 3/8"/5/8" |
| Max. pipe length | (ft) | 164.0 |
| Max. difference in level | (ft) | 82.0 |
| Connection method | | Flared |
| Indoor(cooling) | (Deg. °F) | 62~90 |
| Indoor(heating) | (Deg. °F) | 32~86 |
| Outdoor(cooling) | (Deg. °F) | -22~122 |
| Outdoor(heating) | (Deg. °F) | -22~75 |

INDOOR UNIT DATA

| | | |
|---------------------------------------|---------|-----------------------|
| Indoor fan motor | | |
| Model | | ZKFN-160-8-1-2 |
| Qty | | 1 |
| Input | (W) | 90.00 |
| Output | (W) | 160.0 |
| RLA | (A) | 1.5 |
| Speed(Hi/Mi/Lo) | (r/min) | / |
| Air flow & Noise level | | |
| Indoor air flow (Hi/Med/Lo) (No duct) | (CFM) | /775.47/693.06/434.88 |
| Indoor noise level (Hi/Med/Lo) | [dB(A)] | 44/40/35.5 |
| Dehumidification | | |
| | (L/H) | 1.59 |
| Indoor unit | | |
| Dimension (WxDxH) | (inch) | 43.31x30.47x9.80 |
| Packing(WxDxH) | (inch) | 51.38x31.69x12.40 |
| Net/Gross weight | (lbs.) | 90.39/105.82 |

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)] | 62.0 |
| Outdoor unit | | |
| Dimension (WxDxH) | (inch) | 37.24x16.14x31.89 |
| Packing (WxDxH) | (inch) | 42.91x19.69x34.84 |
| Net/ Gross weight | (lbs.) | 134.48/144.40 |



| 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 |
| | 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 |

