



SUBMITTAL DATA SHEET

AHU Heat Pump System

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

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

Set Model
 Indoor unit model CCOXHAH24V30
 Outdoor unit model CCOXHA24V30P

Certified

AHRI





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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) | 23.0 |
| Max.fuse(Outdoor) | (A) | 35.0 |
| Connection wiring | | 14AWG*2 Stranded, shielded |
| Cooling | | |
| Capacity | (Btu/h) | 30000(10000~33600) |
| Power Input | (W) | 3060(370~3360) |
| Current | (A) | 13.2(2.9~15) |
| SEER2 | (Btu/W) | 16.2 |
| EER2 | (Btu/W) | 10.0 |
| Heating | | |
| Capacity | (Btu/h) | 33000(11500~37000) |
| Power Input | (W) | 2930(550~3250) |
| Current | (A) | 13.3(4.0~14.6) |
| HSPF2-4 | (Btu/W) | 8.9 |
| HSPF2-5 | (Btu/W) | 7.0 |
| COP | W/W | 3.30 |
| Heat at 17F(H32) | (Btu/h) | 21000 |
| Heat at 5F(H42) | (Btu/h) | 24000 |
| COP at 5F(H42) | W/W | 1.77 |

REFRIGERANT PIPE DATA

| | | |
|--------------------------------|--------------|-----------------|
| Throttle type | Indoor unit | EEV for cooling |
| | Outdoor unit | EEV for heating |
| Design pressure | (PSIG) | 550/340 |
| Refrigerant Type | | R410A |
| Refrigerant charge | oz | 134.04 |
| Refrigerant precharge | (ft) | 25.0 |
| Additional charge for each ft | (oz/ft) | 0.69 |
| Liquid side/ Gas side(indoor) | (inch) | 3/8" / 3/4" |
| Liquid side/ Gas side(outdoor) | (inch) | 3/8" / 3/4" |
| Max. pipe length | (ft) | 164.0 |
| Max. difference in level | (ft) | 82.0 |
| Connection method | | Flared |
| Indoor(cooling) | (Deg. °F) | 60~90 |
| Indoor(heating) | (Deg. °F) | 32~86 |
| Outdoor(cooling) | (Deg. °F) | 5~122 |
| Outdoor(heating) | (Deg. °F) | -22~75 |

INDOOR UNIT DATA

| | | |
|---------------------------------------|---------|------------------------------|
| Indoor fan motor | | |
| Model | | ZKFD-375-8-1-1 |
| Qty | | 1 |
| Input | (W) | / |
| Output | (W) | / |
| RLA | (A) | 3.5 |
| Speed(Hi/Mi/Lo) | (r/min) | / |
| Air flow & Noise level | | |
| Indoor air flow (Hi/Med/Lo) (No duct) | (CFM) | 1088.24/894.12/805.88/711.76 |
| Indoor noise level (Hi/Med/Lo) | [dB(A)] | 42/40.5/36.5 |
| Dehumidification | (L/H) | 3.41 |
| Indoor unit | | |
| Dimension (WxDxH) | (inch) | 21.02x21.02x49.02 |
| Packing(WxDxH) | (inch) | 26.57x24.41x52.56 |
| Net/Gross weight | (lbs.) | 129.19/155.64 |

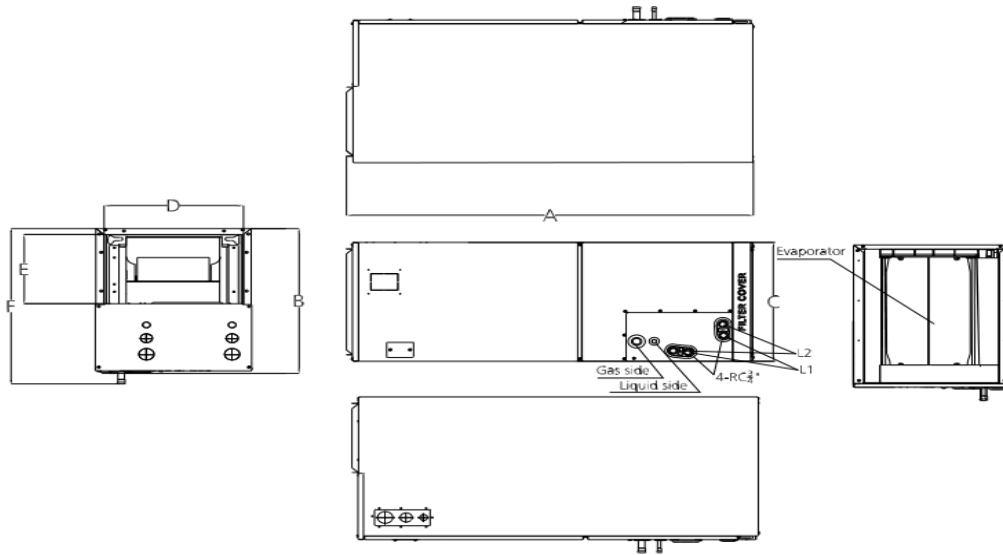
OUTDOOR UNIT DATA

| | | |
|-----------------------------------|---------|-------------------|
| Compressor | | |
| Type | | ROTARY |
| Model | | KTF310D43UMT |
| Brand | | GMCC |
| Capacity | (Btu/h) | 34154 |
| Input | (W) | 2765 |
| Rated current (RLA) | (A) | 16.5 |
| 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) | 950/900/500 |
| Air flow & Noise level | | |
| Outdoor air flow (Max.) | (CFM) | 3000 |
| Outdoor noise level | [dB(A)] | 60.5 |
| Outdoor unit | | |
| Dimension (WxDxH) | (inch) | 37.24x16.14x31.89 |
| Packing (WxDxH) | (inch) | 42.91x19.69x34.84 |
| Net/ Gross weight | (lbs.) | 159.83/169.75 |

Accessories

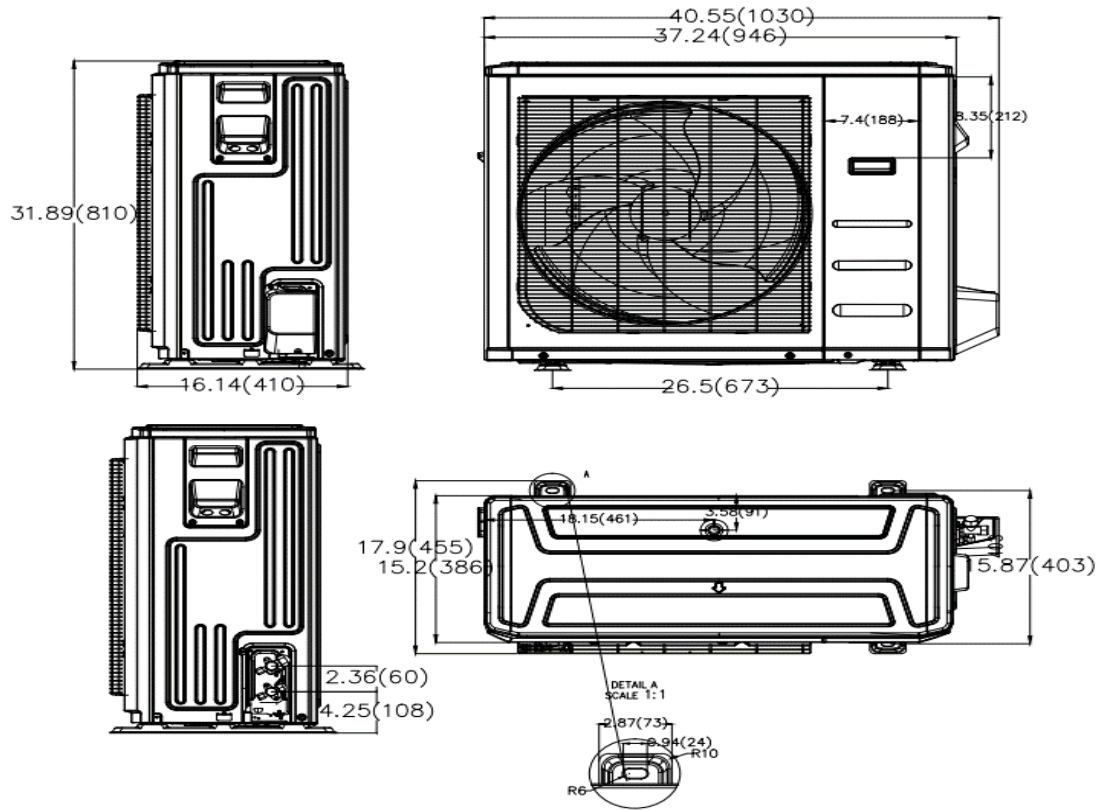
| | | |
|---------------------------|-----|----------------------|
| Adaptor for welding(3/4") | Qty | 1 Indoor & 1 Outdoor |
| Adaptor for welding(3/8") | Qty | 2 Indoor & 1 Outdoor |
| Adaptor (5/8" to 3/4") | Qty | 1 Indoor |

Indoor unit dimension



| Model | Unit | Dimensions(mm) | | | | | | Drain hole | |
|---------|------|----------------|-----|--------|---------|--------|-----|---------------|-------------------|
| | | A | B | C | D | E | F | L1 | L2 |
| 18k~24k | mm | 1143 | 534 | 445 | 400 | 260 | 585 | Main drain | Overflow drain |
| | inch | 45 | 21 | 17-1/2 | 15-3/4 | 10-1/4 | 23 | | |
| 30k~48k | mm | 1245 | 534 | 534 | 490 | 260 | 585 | | |
| | inch | 49 | 21 | 21 | 19-5/16 | 10-1/4 | 23 | | |
| 60k | mm | 1346 | 534 | 622 | 580 | 260 | 585 | | |
| | inch | 53 | 21 | 24-1/2 | 22-7/8 | 10-1/4 | 23 | | |

Outdoor unit dimension



Fan performance

