CR47KQE-TFD

HCFC, R-22, 60 Hz, 3 - Phase, 380/460 V , Also Available with Variable Frequency Drives

**High Temp**

Production Status: Available for sale to all U.S. customers. Please check with your local Copeland Representative for international availability.

## Performance

| | | |
|---|---|---|
| **Evaporator Temp. (°F)** | 45.00 | 20 |
| **Condensing Temp. (°F)** | 130.00 | 120 |
| **Return Gas Temp. (°F)** | 65.00 | 65 |
| **Liquid Temp. (°F)** | 130.00 | 120 |
| **Capacity (BTU/hr)** | 44000 | 26300 |
| **Power (W):** | 4550 | 3370 |
| **Current (Amps):** | 8 | 6.4 |
| **EER(BTU/Wh):** | 9.7 | 7.8 |
| **Mass Flow (lbs/hr):** | 695 | 384 |
| **Sound Data @** | | |
| **Sound Power (dBA):** | 76 Avg | 81 Max |
| **Vibration mils(peak-peak):** | 4.0 Avg | 5.0 Max |
| **Record Date:** | 2014-02-26 | |

## Mechanical

| | |
|---|---|
| **Displacement (in^3/Rev):** | 4.95 |
| **Displacement (ft^3/Hr):** | |
| **Overall Length (in):** | 10.38 |
| **Overall Width (in):** | 9.09 |
| **Overall Height (in):** | 14.81 |
| **Mounting Length (in):** | 7.50 |
| **Mounting Width (in):** | 7.50 |
| **Mounting Height (in):** | 15.19 |
| **Suction Size (in),Type:** | 7 / 8 Stub |
| **Discharge Size (in),Type:** | 1 / 2 Stub |
| **Initial Oil Charge (oz):** | 45 |
| **Oil Recharge (oz):** | 43 |
| **Oil Type:** | POE |
| **Net Weight (lbs):** | 77.0 |
| **Internal Free Volume (in^3):** | |
| **Horse Power:** | |

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

## Electrical

| | |
|---|---|
| **LRA High* (Amps):** | 50.0 |
| **LRA Low*(Amps):** | |
| **LRA Half Winding (Amps):** | |
| **MCC (Amps):** | 11.5 |
| **Max Operating Current (Amps):** | 11.10 |
| **RLA, MCC/1.4(use for contactor selection)(Amps):** | 8.2 |
| **RLA, MCC/1.56(use for breaker & wire size selection)(Amps):** | 7.4 |
| **RPM:** | 3500 |
| **Box IP :** | |
| **UL File No:** | |
| **UL File Date:** | |

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

## Capacitors

| Type | Part No | Low MFD | High MFD | Volts | User Description |
|---|---|---|---|---|---|

No data available in table

## Alternate Applications

| Refrigerant | Voltage | Phase | Frequency | Application |
|---|---|---|---|---|
| R-22 HCFC | 380/460 | 3 | 60 | Air Conditioning |
| R-22 HCFC | 380/420 | 3 | 50 | Air Conditioning |
| R-22 HCFC | 380/420 | 3 | 50 | High Temp |
| R-404A HFC | 380/420 | 3 | 50 | High Temp |
| R-407C HFC | 380/420 | 3 | 50 | Air Conditioning |
| R-407C HFC | 380/460 | 3 | 60 | Air Conditioning |