

# CR47KQ-PFV

HCFC, R-22, 60 Hz, 1 -Phase, 208/230 V  
Air Conditioning



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

## Performance

|                            |            |         |
|----------------------------|------------|---------|
| Evaporator Temp. (°F)      | 45         | 45      |
| Condensing Temp. (°F)      | 130        | 100     |
| Return Gas Temp. (°F)      | 65         | 65      |
| Liquid Temp. (°F)          | 115        | 85      |
| Capacity (Btu/hr)          | 47500      | 60500   |
| Power (W):                 | 4590       | 3810    |
| Current (Amps):            | 22.00      | 18.90   |
| EER (Btu/Wh):              | 10.40      | 15.90   |
| Mass Flow (lbs/hr):        | 695        | 780     |
| <u>Sound Data @</u>        |            |         |
| Sound Power (dBA):         | 76 Avg     | 81 Max  |
| Vibration mils(peak-peak): | 4.0 Avg    | 5.0 Max |
| Record Date:               | 2001-02-26 |         |

## Mechanical

|   |          |
|---|----------|
| Displacment(in <sup>3</sup> /Rev):  | 4.95     |
| Displacment(ft <sup>3</sup> /hr):   | 602.06   |
| 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       |
| Net Weight (lbs):   | 77.0     |
| Internal Free Volume (in <sup>3</sup> ):  | 490.0    |
| Horse Power:  |          |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |          |

## Electrical

|   |       |
|---|-------|
| LRA-High*(Amp):   | 132.0 |
| LRA Low* (Amp):   |       |
| LRA-Half Winding (Amp):   |       |
| MCC (Amps):   | 34.5  |
| Max Operating Current(Amp):   | 27.6  |
| RLA, MCC/1.4;use for contactor selection (Amp):   | 24.6  |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp):                                      | 22.1  |
| RPM:  |       |
| 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 |
|-----------------|-------------|---------|----------|-------|------------------|
| Start Capacitor | 014-0006-13 | 189.0   | 227.0    | 330   | HIGH TORQUE      |
| Start Capacitor | 014-0061-13 | 64.0    | 77.0     | 330   | LOW TORQUE       |
| Run Capacitor   | 014-0064-15 | 45.0    | 0.0      | 440   |                  |

## Alternate Applications

| Refrigerant | Voltage | Phase | Freq (Hz) | Application      |
|-------------|---------|-------|-----------|------------------|
| R-22 HCFC   | 200     | 1     | 50        | High Temp        |
| R-22 HCFC   | 208/230 | 1     | 60        | High Temp        |
| R-22 HCFC   | 200     | 1     | 50        | Air Conditioning |