

# CR18K6E-PFV

HCFC, R-22, 60Hz, 1- Phase, 208/230 V  
UL High Temp



Production Status:

## Performance

|                                       |          |          |
|---------------------------------------|----------|----------|
| Evap(°F)/Cond(°F)                     | 45 / 130 | 45 / 100 |
| RG(°F)/Liq(°F)                        |          |          |
| Capacity (Btu/hr)                     | 17000    | 23900    |
| Power (Watts):                        | 1585     | 1344     |
| Current (Amps):                       |          |          |
| EER (Btu/Wh):                         | 10.73    | 17.78    |
| Mass Flow (lbs/hr):                   |          |          |
| Sound Power (dBA):                    | 71 Avg   | 76 Max   |
| Vibration (mils(peak-<br>Record Date: | 1.6 Avg  | 2.6 Max  |

## Mechanical

|   |                              |                             |         |
|---|------------------------------|-----------------------------|---------|
| Number of Cylinders:2   | Displ(in <sup>3</sup> /Rev): | 1.87                        |         |
| Bore Size(in):  | 1.52                         | Displ(ft <sup>3</sup> /hr): | 226.82  |
| Stroke(in):   | 0.52                         |                             |         |
| Overall Length (in):  | 10.23                        | Mounting Length (in):       | 7.50    |
| Overall Width (in):   | 9.65                         | Mounting Width (in):        | 7.50    |
| Overall Height (in):  | 13.19                        | Mounting Height (in):       | 13.56 * |
| Suction Size (in):  |                              | 3/4 Stub                    |         |
| Discharge Size (in):  |                              | 1/2 Stub                    |         |
| Oil Recharge (oz):  |                              | 43                          |         |
| Initial Oil Charge (oz):  |                              | 45                          |         |
| Net Weight (lbs):   |                              | 61                          |         |
| Internal Free Volume (in <sup>3</sup> ):  |                              |                             |         |
| Horse Power:  |                              |                             |         |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |                              |                             |         |

## Electrical

|   |             |                        |          |               |                  |
|---|-------------|------------------------|----------|---------------|------------------|
| LRA-High*:  | 49.0        | MCC (Amps):            | 14.6     | UL File No:   |                  |
| LRA-Half Winding:   |             | RPM:                   |          | UL File Date: | 28-Dec-1984      |
| LRA Low*:   |             | Max Operating Current: |          |               |                  |
| RLA(=MCC/1.4;use for contactor selection):  |             | 10.4                   |          |               |                  |
| RLA(=MCC/1.56;use for breaker & wire size)  |             | 9.4                    |          |               |                  |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |             |                        |          |               |                  |
| Type  | Part No     | Low MFD                | High MFD | Volts         | User Description |
| Start Capacitor   | 014-0061-16 | 43.0                   | 52.0     | 330           | LOW TORQUE       |
| Start Capacitor   | 014-0061-28 | 145.0                  | 175.0    | 250           | HIGH TORQUE      |
| Run Capacitor   | 014-0064-05 | 25.0                   | 0.0      | 370           |                  |

## Alternate Applications

| Refrigerant | Freq (Hz) | Phase | Voltage | Application      |
|-------------|-----------|-------|---------|------------------|
| R-22 HCFC   | 50        | 1     | 200     | UL High Temp     |
| R-407C HFC  | 50        | 1     | 200     | Air Conditioning |
| R-407C HFC  | 60        | 1     | 208/230 | Air Conditioning |
| R-407C HFC  | 50        | 1     | 200     | UL High Temp     |

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Production Status:

## Service Parts

| <u>Reference</u> | <u>Component</u> | <u>Quantity</u> | <u>Description</u>      | <u>Comment</u>           |
|------------------|------------------|-----------------|-------------------------|--------------------------|
| 1                | 527-0044-08      | 1               | SPACER-MOUNTING ASSM    |                          |
| 14               | 529-0060-24      | 1               | POWER CABLE-MOLDED PLUG |                          |
| 99               | 536-0177-00      | 1               | FITTING-SERVICE GROUP   |                          |
| 12               | 568-2010-00      | 1               | C SERVICE KIT ASSM      |                          |
| 2                | 914-0036-04      | 1               | CAP START KIT           |                          |
| 3                | 914-0037-09      | 1               | CAPACITOR & CLAMP KIT   |                          |
| 10               | 918-0088-00      | 1               | HEATER-CRANKCASE KIT    | 40/49W 240/265V FLEXIBLE |
| 4                | 940-0001-55      | 1               | RELAY-POTENTIAL KIT     |                          |

**Common U.S. Service Bill Of Materials**

|     | Suction Connection | Suction Size | Discharge Connection | Discharge Size | Electrical Connection | Mounting Assembly | Sight Glass | Crankcase Heater | Schraeder Valve | Tandem Ready | Module Voltage |
|-----|--------------------|--------------|----------------------|----------------|-----------------------|-------------------|-------------|------------------|-----------------|--------------|----------------|
| 815 |                    |              |                      |                |                       | -                 | -           | -                | -               | -            | -              |
| 875 | Stub               | 3/4"         |                      | 1/2"           |                       | -                 | -           | -                | -               | -            | -              |

\* Note: For all other Bill Of Material descriptions (Including International and Customer Specific Bills of Materials) contact your sales representative or the Application Engineering Department.