

# CS18K6E-PFV

HFC, R-404A, 60Hz, 1- Phase, 208/230 V  
 Extended Medium Temp



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

## Performance

|                              |              |              |
|------------------------------|--------------|--------------|
| Evap(°F)/Cond(°F)            | 20 / 120     | -10 / 120    |
| RG(°F)/Liq(°F)               | 40.0 / 120.0 | 40.0 / 120.0 |
| Capacity (Btu/hr)            | 18100        | 6310         |
| Power (Watts):               | 2780         | 1660         |
| Current (Amps):              | 13.00        | 8.40         |
| EER (Btu/Wh):                | 6.50         | 3.80         |
| Mass Flow (lbs/hr):          | 429          | 144          |
| Sound Power (dBA):           | 0 Avg        | 0 Max        |
| Vibration (mils(peak-peak)): | 0.0 Avg      | 0.0 Max      |
| Record Date:                 | 2003-03-06   |              |

## Mechanical

|   |          |                              |         |
|---|----------|------------------------------|---------|
| Number of Cylinders:  | 2        | Displ(in <sup>3</sup> /Rev): | 3.64    |
| Bore Size(in):  | 1.66     | Displ(ft <sup>3</sup> /hr):  | 442.34  |
| Stroke(in):   | 0.85     |                              |         |
| Overall Length (in):  | 10.23    | Mounting Length (in):        | 7.50    |
| Overall Width (in):   | 9.65     | Mounting Width (in):         | 7.50    |
| Overall Height (in):  | 13.81    | Mounting Height (in):        | 14.19 * |
| Suction Size (in):  | 5/8 Stub |                              |         |
| Discharge Size (in):  | 1/2 Stub |                              |         |
| Oil Recharge (oz):  | 43       |                              |         |
| Initial Oil Charge (oz):  | 45       |                              |         |
| Net Weight (lbs):   | 65       |                              |         |
| Internal Free Volume (in <sup>3</sup> ):  |          |                              |         |
| Horse Power:  |          |                              |         |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |          |                              |         |

## Electrical

|   |             |                        |          |               |                  |
|---|-------------|------------------------|----------|---------------|------------------|
| LRA-High*:  | 82.0        | MCC (Amps):            | 22.4     | UL File No:   |                  |
| LRA-Half Winding:   |             | RPM:                   | 3500     | UL File Date: | 28-Dec-1984      |
| LRA Low*:   |             | Max Operating Current: |          |               |                  |
| RLA(=MCC/1.4;use for contactor selection):  |             |                        | 16       |               |                  |
| RLA(=MCC/1.56;use for breaker & wire size selection):   |             |                        | 14.4     |               |                  |
| *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   | 014-0064-07 | 35.0                   | 0.0      | 370           |                  |

## Alternate Applications

| Refrigerant | Freq (Hz) | Phase | Voltage | Application          |
|-------------|-----------|-------|---------|----------------------|
| R-404A HFC  | 50        | 1     | 200     | Extended Medium Temp |
| R-22 HCFC   | 50        | 1     | 200     | UL Medium Temp       |
| R-507 HFC   | 50        | 1     | 200     | Extended Medium Temp |
| R-134a HFC  | 50        | 1     | 200     | High Temp            |
| R-22 HCFC   | 60        | 1     | 208/230 | Medium Temperature   |
| R-507 HFC   | 60        | 1     | 208/230 | Extended Medium Temp |
| R-134a HFC  | 60        | 1     | 208/230 | High Temp            |