

## ZP16K5E-PFV

HFC, R-410A, 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         | 50      |
| Condensing Temp. (°F)        | 130        | 100     |
| Return Gas Temp. (°F)        | 65         | 70      |
| Liquid Temp. (°F)            | 115        | 85      |
| Capacity (Btu/hr)            | 15500      | 21500   |
| Power (W):                   | 1660       | 1080    |
| Current (Amps):              | 7.30       | 4.80    |
| EER (Btu/Wh):                | 9.30       | 20.00   |
| Mass Flow (lbs/hr):          | 228        | 264     |
| <u>Sound Data @ 45 / 130</u> |            |         |
| Sound Power (dBA):           | 66 Avg     | 71 Max  |
| Vibration mils(peak-peak):   | 2.0 Avg    | 3.0 Max |
| Record Date:                 | 2017-03-01 |         |

### Electrical

|   |            |
|---|------------|
| LRA-High*(Amp):   | 48.0       |
| LRA Low* (Amp):   |            |
| LRA-Half Winding (Amp):   |            |
| MCC (Amps):   | 14.0       |
| Max Operating Current(Amp):   | 9.1        |
| RLA, MCC/1.4;use for contactor selection (Amp):   | 10.0       |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp):                                      | 9.0        |
| RPM:  | 3500       |
| UL File No:   | SA-2337    |
| UL File Date:   | 2003-12-16 |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |            |

### Mechanical

|   |          |
|---|----------|
| Displacment(in^3/Rev):  | 0.92     |
| Displacment(ft^3/hr):   | 111.81   |
| Overall Length (in):  | 9.56     |
| Overall Width (in):   | 9.56     |
| Overall Height (in):  | 15.27    |
| Mounting Length (in):   | 7.50     |
| Mounting Width (in):  | 7.50     |
| Mounting Height (in):   | 16.02 *  |
| Suction Size (in),Type:   | 3/4 Stub |
| Discharge Size (in),Type:   | 1/2 Stub |
| Initial Oil Charge (oz):  | 25       |
| Oil Recharge (oz):  | 21       |
| Net Weight (lbs):   | 47.0     |
| Internal Free Volume (in^3):  | 122.7    |
| Horse Power:  |          |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |          |

### Capacitors

| Type            | Part No     | Low MFD | High MFD | Volts | User Description |
|-----------------|-------------|---------|----------|-------|------------------|
| Start Capacitor | 014-0061-27 | 88.0    | 106.0    | 330   | OPTIONAL         |
| Run Capacitor   | 014-0064-06 | 30.0    | 0.0      | 370   |                  |

### Alternate Applications

| Refrigerant | Voltage | Phase | Freq (Hz) | Application |
|-------------|---------|-------|-----------|-------------|
|-------------|---------|-------|-----------|-------------|