

ZP31K5E-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

| | | |
|------------------------------|--------------|-------------|
| Evap(°F)/Cond(°F) | 45 / 130 | 50 / 100 |
| RG(°F)/Liq(°F) | 65.0 / 115.0 | 70.0 / 85.0 |
| Capacity (Btu/hr) | 31100 | 42500 |
| Power (Watts): | 3070 | 2020 |
| Current (Amps): | 13.50 | 9.10 |
| EER (Btu/Wh): | 10.10 | 21.10 |
| Mass Flow (lbs/hr): | 459 | 525 |
| Sound Data 45 / | | |
| Sound Power (dBA): | 68 Avg | 73 Max |
| Vibration (mils(peak-peak)): | 2.0 Avg | 3.0 Max |
| Record Date: | 2015-10-06 | |

Mechanical

| | | | |
|-------------------------------------------------------------------------------------|-------|------------------------------|---------|
| Number of Cylinders: | 0 | Displ(in ³ /Rev): | 1.80 |
| Bore Size(in): | 0.00 | Displ(ft ³ /hr): | 218.75 |
| Stroke(in): | 0.00 | | |
| Overall Length (in): | 9.56 | Mounting Length (in): | 7.50 |
| Overall Width (in): | 9.56 | Mounting Width (in): | 7.50 |
| Overall Height (in): | 15.27 | Mounting Height (in): | 16.02 * |
| Suction Size (in): | | 3/4 Stub | |
| Discharge Size (in): | | 1/2 Stub | |
| Oil Recharge (oz): | | 21 | |
| Initial Oil Charge (oz): | | 25 | |
| Net Weight (lbs): | | 49.6 | |
| Internal Free Volume (in ³): | | 119.4 | |
| Horse Power: | | | |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | | | |

Electrical

| | | | | | |
|-------------------------------------------------------------------------------------------------|----------------|------------------------|-------------|---------------|-------------------------|
| LRA-High*: | 79.0 | MCC (Amps): | 26.0 | UL File No: | SA-2337 |
| LRA-Half Winding: | | RPM: | 3500 | UL File Date: | 16-Dec-2003 |
| LRA Low*: | | Max Operating Current: | 17.8 | | |
| RLA(=MCC/1.4;use for contactor selection): | | 18.6 | | | |
| RLA(=MCC/1.56;use for breaker & wire size) | | 16.7 | | | |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. | | | | | |
| Type | Part No | Low | High | Volts | User Description |
| Start Capacitor | 014-0061-27 | 88.0 | 106.0 | 330 | OPTIONAL |
| Run Capacitor | 014-0064-25 | 45.0 | 0.0 | 370 | |

Alternate Applications

| | | | | |
|--------------------|------------------|--------------|----------------|--------------------|
| <u>Refrigerant</u> | <u>Freq (Hz)</u> | <u>Phase</u> | <u>Voltage</u> | <u>Application</u> |
|--------------------|------------------|--------------|----------------|--------------------|