

ZR57K3E-PFV

HFC, R-407C, 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) | 55500 | 67000 |
| Power (W): | 5250 | 3500 |
| Current (Amps): | 24.50 | 17.10 |
| EER (Btu/Wh): | 10.55 | 19.20 |
| Mass Flow (lbs/hr): | 802 | 827 |
| <u>Sound Data @</u> | | |
| Sound Power (dBA): | 74 Avg | 79 Max |
| Vibration mils(peak-peak): | 2.0 Avg | 3.0 Max |
| Record Date: | 2014-08-07 | |

Mechanical

| | |
|--|----------|
| Displacment(in ³ /Rev): | 4.71 |
| Displacment(ft ³ /hr): | 572.40 |
| Overall Length (in): | 9.69 |
| Overall Width (in): | 9.69 |
| Overall Height (in): | 17.75 |
| Mounting Length (in): | 7.50 |
| Mounting Width (in): | 7.50 |
| Mounting Height (in): | 18.00 * |
| Suction Size (in),Type: | 7/8 Stub |
| Discharge Size (in),Type: | 1/2 Stub |
| Initial Oil Charge (oz): | 56 |
| Oil Recharge (oz): | 52 |
| Net Weight (lbs): | 90.0 |
| Internal Free Volume (in ³): | |
| Horse Power: | 4.75 |

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

| | |
|--|------------|
| LRA-High*(Amp): | 148.0 |
| LRA Low* (Amp): | |
| LRA-Half Winding (Amp): | |
| MCC (Amps): | 45.0 |
| Max Operating Current(Amp): | 37.0 |
| RLA, MCC/1.4;use for contactor selection (Amp): | 32.1 |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp): | 28.8 |
| RPM: | 3500 |
| UL File No: | |
| UL File Date: | 1993-07-26 |

*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 | 014-0006-15 | 270.0 | 324.0 | 330 | OPTIONAL |
| Run Capacitor | 014-0041-01 | 80.0 | 0.0 | 370 | SPECIAL CUSTOMER |
| Run Capacitor | 014-0054-38 | 80.0 | 0.0 | 370 | PLASTIC CASE ALT |
| Run Capacitor | 014-0064-27 | 80.0 | 0.0 | 370 | |

Alternate Applications

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