

ZP21K5E-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 | | | Mechanical | | | |
|----------------------------|------------|---------|--|---|--|--|
| Evaporator Temp. (°F) | 45.00 | 50 | Displacement (in ³ /Rev): | 1.24 | | |
| Condensing Temp. (°F) | 130.00 | 100 | Displacement (ft ³ /Hr): | | | |
| Return Gas Temp. (°F) | 65.00 | 70 | Overall Length (in): | 9.56 | | |
| Liquid Temp. (°F) | 115.00 | 85 | Overall Width (in): | 9.56 | | |
| Capacity (BTU/hr) | 21300 | 29000 | Overall Height (in): | 15.27 | | |
| Power (W): | 2170 | 1405 | Mounting Length (in): | 7.50 | | |
| Current (Amps): | 9.3 | 6.2 | Mounting Width (in): | 7.50 | | |
| EER(BTU/Wh): | 9.85 | 20.65 | Mounting Height (in): | 16.02 | | |
| Mass Flow (lbs/hr): | 313 | 356 | Suction Size (in),Type: | 3 / 4 Stub | | |
| Sound Data @ 45 / 130 | | | Discharge Size (in),Type: | 1 / 2 Stub | | |
| Sound Power (dBA): | 66 Avg | 71 Max | Initial Oil Charge (oz): | 25 | | |
| Vibration mils(peak-peak): | 2.0 Avg | 3.0 Max | Oil Recharge (oz): | 21 | | |
| Record Date: | 2020-10-20 | | Oil Type: | 3MA | | |
| | | | Net Weight (lbs): | 47.3 | | |
| | | | Internal Free Volume (in ³): | 129.6 | | |
| | | | Horse Power: | *Overall compressor height on Copeland Brand Product's specified mounting grommets. | | |

| Electrical | | Capacitors | | | | | |
|---|------------|-----------------|-------------|---------|----------|--------|------------------|
| | | Type | Part No | Low MFD | High MFD | Volt s | User Description |
| LRA High* (Amps): | 58.3 | | | | | | |
| LRA Low*(Amps): | | Run Capacitor | 014-0064-08 | 40.0 | 0.0 | 370 | |
| LRA Half Winding (Amps): | | Start Capacitor | 014-0061-27 | 88.0 | 106.0 | 330 | OPTIONAL |
| MCC (Amps): | 20 | | | | | | |
| Max Operating Current (Amps): | 12.0 | | | | | | |
| RLA, MCC/1.4(use for contactor selection)(Amps): | 14.3 | | | | | | |
| RLA, MCC/1.56(use for breaker & wire size selection)(Amps): | 12.8 | | | | | | |
| RPM: | 3500 | | | | | | |
| Box IP : | 21 | | | | | | |
| 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.

Alternate Applications

| Refrigerant | Voltage | Phase | Frequency | Application |
|-------------|---------|-------|-----------|-------------|
|-------------|---------|-------|-----------|-------------|