

CRNQ-050E-PFV

HFC, R-407C, 60Hz, 1- Phase, 208/230 V

Air Conditioning



Production Status: Preliminary data only - Contact your Emerson Climate Technologies Representative.

Performance

| | | |
|------------------------------|--------------|-------------|
| Evap(°F)/Cond(°F) | 45 / 130 | 45 / 100 |
| RG(°F)/Liq(°F) | 65.0 / 115.0 | 65.0 / 85.0 |
| Capacity (Btu/hr) | 59600 | 78400 |
| Power (Watts): | 6010 | 5140 |
| Current (Amps): | 26.85 | 23.05 |
| EER (Btu/Wh): | 9.90 | 15.25 |
| Mass Flow (lbs/hr): | 865 | 973 |
| Sound Power (dBA): | 0 Avg | 0 Max |
| Vibration (mils(peak-peak)): | 5.0 Avg | 6.0 Max |
| Record Date: | 2010-09-14 | |

Mechanical

| | | | |
|---|----------|------------------------------|---------|
| Number of Cylinders: | 2 | Displ(in ³ /Rev): | 6.22 |
| Bore Size(in): | 1.96 | Displ(ft ³ /hr): | 756.06 |
| Stroke(in): | 1.03 | | |
| Overall Length (in): | 11.38 | Mounting Length (in): | 7.50 |
| Overall Width (in): | 9.38 | Mounting Width (in): | 7.50 |
| Overall Height (in): | 16.13 | Mounting Height (in): | 16.50 * |
| Suction Size (in): | 7/8 Stub | | |
| Discharge Size (in): | 1/2 Stub | | |
| Oil Recharge (oz): | 66 | | |
| Initial Oil Charge (oz): | 70 | | |
| Net Weight (lbs): | 91 | | |
| Internal Free Volume (in ³): | | | |
| Horse Power: | | | |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | | | |

Electrical

| | | | | | |
|---|-------------|------------------------|----------|---------------|------------------|
| LRA-High*: | 142.0 | MCC (Amps): | 48.0 | 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): | | | 34.3 | | |
| RLA(=MCC/1.56;use for breaker & wire size selection): | | | 30.8 | | |
| *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 | 014-0006-15 | 270.0 | 324.0 | 330 | HIGH TORQUE |
| Start Capacitor | 014-0061-29 | 108.0 | 130.0 | 330 | LOW TORQUE |
| Run Capacitor | 014-0080-08 | 55.0 | 0.0 | 440 | |

Alternate Applications

| Refrigerant | Freq (Hz) | Phase | Voltage | Application |
|-------------|-----------|-------|---------|------------------|
| R-22 HCFC | 50 | 1 | 200 | |
| R-407C HFC | 50 | 1 | 200 | Air Conditioning |
| R-22 HCFC | 60 | 1 | 208/230 | |