

CR53KQE-TFD

HCFC, R-22, 60 Hz, 3 -Phase, 380/460 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) | 53000 | 67500 |
| Power (W): | 5200 | 4310 |
| Current (Amps): | 8.00 | 7.00 |
| EER (Btu/Wh): | 10.20 | 15.60 |
| Mass Flow (lbs/hr): | 780 | 865 |
| <u>Sound Data @</u> | | |
| Sound Power (dBA): | 76 Avg | 81 Max |
| Vibration mils(peak-peak): | 4.0 Avg | 5.0 Max |
| Record Date: | 2014-03-06 | |

Mechanical

| | |
|---|----------|
| Displacement(in ³ /Rev): | 5.47 |
| Displacement(ft ³ /hr): | 665.12 |
| Overall Length (in): | 10.62 |
| Overall Width (in): | 9.22 |
| Overall Height (in): | 14.81 |
| Mounting Length (in): | 7.50 |
| Mounting Width (in): | 7.50 |
| Mounting Height (in): | 15.19 * |
| Suction Size (in),Type: | 7/8 Stub |
| Discharge Size (in),Type: | 1/2 Stub |
| Initial Oil Charge (oz): | 45 |
| Oil Recharge (oz): | 43 |
| Net Weight (lbs): | 77.0 |
| Internal Free Volume (in ³): | |
| Horse Power: | |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | |

Electrical

| | |
|---|------|
| LRA-High*(Amp): | 55.0 |
| LRA Low* (Amp): | |
| LRA-Half Winding (Amp): | |
| MCC (Amps): | 12.7 |
| Max Operating Current(Amp): | 12.7 |
| RLA, MCC/1.4;use for contactor selection (Amp): | 9.1 |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp): | 8.1 |
| RPM: | |
| UL File No: | |
| UL File Date: | |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. | |

Capacitors

Alternate Applications

| Refrigerant | Voltage | Phase | Freq (Hz) | Application |
|-------------|---------|-------|-----------|------------------|
| R-22 HCFC | 380/420 | 3 | 50 | High Temp |
| R-22 HCFC | 380/460 | 3 | 60 | High Temp |
| R-22 HCFC | 380/420 | 3 | 50 | Air Conditioning |
| R-22 HCFC | 380/460 | 3 | 60 | UL High Temp |
| R-407C HFC | 380/420 | 3 | 50 | Air Conditioning |
| R-407C HFC | 380/460 | 3 | 60 | Air Conditioning |