

ZR61KS-TFD

HCFC, R-22, 50 Hz, 3 -Phase, 380/420 V

Air Conditioning



Production Status: Non U.S. model with restricted sales - Contact your Emerson Climate Technologies Representative.

Performance

| | | |
|----------------------------|------------|---------|
| Evaporator Temp. (°F) | 45 | 45 |
| Condensing Temp. (°F) | 130 | 117 |
| Return Gas Temp. (°F) | 65 | 65 |
| Liquid Temp. (°F) | 115 | 102 |
| Capacity (Btu/hr) | 51000 | 55500 |
| Power (W): | 4430 | 3780 |
| Current (Amps): | 7.90 | 6.80 |
| EER (Btu/Wh): | 11.50 | 14.60 |
| Mass Flow (lbs/hr): | 745 | 765 |
| Sound Data @ | | |
| Sound Power (dBA): | 69 Avg | 74 Max |
| Vibration mils(peak-peak): | 2.0 Avg | 3.0 Max |
| Record Date: | 2006-12-21 | |

Mechanical

| | |
|---|----------|
| Displacement(in ³ /Rev): | 5.04 |
| Displacement(ft ³ /hr): | 507.50 |
| Overall Length (in): | 9.56 |
| Overall Width (in): | 9.56 |
| Overall Height (in): | 16.94 |
| Mounting Length (in): | 7.50 |
| Mounting Width (in): | 7.50 |
| Mounting Height (in): | 17.17 * |
| Suction Size (in),Type: | 7/8 Stub |
| Discharge Size (in),Type: | 1/2 Stub |
| Initial Oil Charge (oz): | 42 |
| Oil Recharge (oz): | 34 |
| Net Weight (lbs): | 66.0 |
| Internal Free Volume (in ³): | |
| Horse Power: | 5.00 |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | |

Electrical

| | |
|---|------|
| LRA-High*(Amp): | 59.0 |
| LRA Low* (Amp): | |
| LRA-Half Winding (Amp): | |
| MCC (Amps): | 14.0 |
| Max Operating Current(Amp): | 11.0 |
| RLA, MCC/1.4;use for contactor selection (Amp): | 10.0 |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp): | 9.0 |
| RPM: | 2900 |
| 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 | 460 | 3 | 60 | Air Conditioning |

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