# 4RK2-2500-FSD

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

Production Status: This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Emerson Climate Technologies Wholesaler. Please check with your local Emerson Climate Technologies Representative for international availability.

## Performance

| Evap(°C)/Cond(°C) | 7.2 / 54.4 | -6.7 / 48.9 |
|---|---|---|
| RG(°C)/Liq(°C) | 18.3 / 54.4 | 18.3 / 48.9 |
| Capacity (Watts) | 57000 | 35000 |
| Power (Watts): | 19600 | 14900 |
| Current (Amps): | 37.70 | 30.40 |
| EER (COP): | 2.90 | 2.34 |
| Mass Flow (g/s): | 386 | 219 |
| Sound Power (dBA): | 0 Avg | 0 Max |
| Vibration (mm(peak- | 0.0 Avg | 0.0 Max |
| Record Date: | 2006-08-02 | |

## Mechanical

| | | | |
|---|---|---|---|
| Number of Cylinders: | 4 | Displ(cm^3/Rev): | 795.00 |
| Bore Size(mm): | 68.28 | Displ(meters^3/hr): | 70.81 |
| Stroke(mm): | 55.58 | | |
| Overall Length (mm): | 670.8 | Mounting Length (mm): | 381.00 |
| Overall Width (mm): | 483.3 | Mounting Width (mm): | 304.80 |
| Overall Height (mm): | 456.4 | Mounting Height (mm): | 486.6 * |

| | |
|---|---|
| Suction Size (mm): | 2 1/8 Sweat |
| Discharge Size (mm): | 1 1/8 Sweat |
| Oil Recharge (liter): | 4 |
| Initial Oil Charge (liter): | 4 |
| Net Weight (kg): | 209.56 |
| Internal Free Volume (cm^3): | |
| Horse Power: | |

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

## Electrical

| | | | | | |
|---|---|---|---|---|---|
| LRA-High*: | 165.0 | MCC (Amps): | 63.0 | UL File No: | SA-2337 |
| LRA-Half Winding: | 100.0 | RPM: | | UL File Date: | 07-Apr-1971 |
| LRA Low*: | | Max Operating Current: | | | |
| RLA(=MCC/1.4;use for contactor selection): | | 45 | | | |
| RLA(=MCC/1.56;use for breaker & wire size | | 40.4 | | | |

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

## Alternate Applications

| Refrigerant | Freq (Hz) | Phase | Voltage | Application |
|---|---|---|---|---|
| R-22 HCFC | 60 | 3 | 460 | High Temperature |
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