

6RP2-3500-FSD

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



Production Status: Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

| | | |
|----------------------|--------------------|--------------------|
| Evap(°C)/Cond(°C) | <u>7.2 / 54.4</u> | <u>-6.7 / 48.9</u> |
| RG(°C)/Liq(°C) | <u>18.3 / 54.4</u> | <u>18.3 / 48.9</u> |
| Capacity (Watts) | 93000 | 59000 |
| Power (Watts): | 30000 | 23100 |
| Current (Amps): | 45.80 | 25.60 |
| EER (COP): | 3.11 | 2.55 |
| Mass Flow (g/s): | 630 | 370 |
| Sound Power (dBA): | 0 Avg | 0 Max |
| Vibration (mm(peak-) | 0.0 Avg | 0.0 Max |
| Record Date: | 2006-11-22 | |

Mechanical

| | | | |
|---|-------------|---------------------------------|---------|
| Number of Cylinders: | 6 | Displ(cm ³ /Rev): | 1192.00 |
| Bore Size(mm): | 68.28 | Displ(meters ³ /hr): | 106.21 |
| Stroke(mm): | 55.58 | | |
| Overall Length (mm): | 766.0 | Mounting Length (mm): | 381.00 |
| Overall Width (mm): | 584.2 | 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 3/8 | | |
| Oil Recharge (liter): | 4 | | |
| Initial Oil Charge (liter): | 4 | | |
| Net Weight (kg): | 240.4 | | |
| Internal Free Volume (cm ³): | | | |
| Horse Power: | | | |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | | | |

Electrical

| | | | | | |
|---|-------|------------------------|------|---------------|-------------|
| LRA-High*: | 225.0 | MCC (Amps): | 94.5 | UL File No: | SA-2337 |
| LRA-Half Winding: | 150.0 | RPM: | | UL File Date: | 07-Apr-1971 |
| LRA Low*: | | Max Operating Current: | | | |
| RLA(=MCC/1.4;use for contactor selection): | | 67.5 | | | |
| RLA(=MCC/1.56;use for breaker & wire size) | | 60.6 | | | |
| *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 | Air Conditioning |
| R-22 HCFC | 60 | 3 | 460 | Air Conditioning |
| R-22 HCFC | 60 | 3 | 460 | High Temperature |
| R-22 HCFC | 60 | 3 | 460 | High Temperature |
| R-22 HCFC | 50 | 3 | 380/420 | Air Conditioning |
| R-22 HCFC | 50 | 3 | 380/420 | High Temperature |