

9RB1-076A-TFD

CFC, R-502, 60 Hz, 3 -phase, 460 V

Low 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(°F)/Cond(°F) | -25 / 105 | -40 / 105 |
| RG(°F)/Liq(°F) | 65.0 / 105.0 | 65.0 / 105.0 |
| Capacity (Btu/hr) | 29400 | 19200 |
| Power (Watts): | 6450 | 4830 |
| Current (Amps): | 11.30 | 9.70 |
| EER (Btu/Wh): | 4.60 | 4.00 |
| Mass Flow (lbs/hr): | 580 | 377 |
| Sound Data @ | | |
| Sound Power (dBA): | 0 Avg | 0 Max |
| Vibration (mils(peak-peak)): | 0.0 Avg | 0.0 Max |
| Record Date: | 2007-01-12 | |

Mechanical

| | | | |
|---|-------------|------------------------------|---------|
| Number of Cylinders: | 3 | Displ(in ³ /Rev): | 26.58 |
| Bore Size(in): | 2.38 | Displ(ft ³ /hr): | 1615.11 |
| Stroke(in): | 2.00 | | |
| Overall Length (in): | 25.72 | Mounting Length (in): | 15.00 |
| Overall Width (in): | 15.06 | Mounting Width (in): | 12.00 |
| Overall Height (in): | 17.59 | Mounting Height (in): | 18.63 * |
| Suction Size (in): | 1 3/8 Sweat | | |
| Discharge Size (in): | 1 1/8 Sweat | | |
| Oil Recharge (oz): | 105 | | |
| Initial Oil Charge (oz): | 115 | | |
| Net Weight (lbs): | 341 | | |
| Internal Free Volume (in ³): | | | |
| Horse Power: | | | |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | | | |

Electrical

| | | | | |
|---|------|------------------------|------|---------------|
| LRA-High*: | 82.0 | MCC (Amps): | 21.5 | UL File No: |
| LRA-Half Winding: | | RPM: | 3500 | UL File Date: |
| LRA Low*: | | Max Operating Current: | | |
| RLA(=MCC/1.4;use for contactor selection): | | 15.4 | | |
| RLA(=MCC/1.56;use for breaker & wire size selection): | | 13.8 | | |
| *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-12 CFC | 60 | 3 | 460 | Medium Temperature |
| R-12 CFC | 50 | 3 | 380/400 | Medium Temperature |
| R-502 CFC | 50 | 3 | 380/400 | Low Temperature |