

9RS3-1015-TFD

CFC, R-502, 60Hz, 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) | 35900 | 23800 |
| Power (Watts): | 7900 | 6300 |
| Current (Amps): | 14.40 | 12.40 |
| EER (Btu/Wh): | 4.50 | 3.80 |
| Mass Flow (lbs/hr): | 710 | 466 |
| Sound Power (dBA): | 0 Avg | 0 Max |
| Vibration (mils(peak-peak)): | 0.0 Avg | 0.0 Max |
| Record Date: | 2006-08-04 | |

Mechanical

| | | | |
|---|-------------|------------------------------|---------|
| Number of Cylinders: | 3 | Displ(in ³ /Rev): | 35.01 |
| Bore Size(in): | 2.44 | Displ(ft ³ /hr): | 2127.41 |
| Stroke(in): | 2.50 | | |
| Overall Length (in): | 26.81 | Mounting Length (in): | 15.00 |
| Overall Width (in): | 14.00 | Mounting Width (in): | 12.00 |
| Overall Height (in): | 17.88 | Mounting Height (in): | 18.88 * |
| 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): | 347 | | |
| Internal Free Volume (in ³): | | | |
| Horse Power: | | | |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | | | |

Electrical

| | | | | |
|---|-------|------------------------|------|---------------|
| LRA-High*: | 110.0 | MCC (Amps): | 26.6 | UL File No: |
| LRA-Half Winding: | | RPM: | 3500 | UL File Date: |
| LRA Low*: | | Max Operating Current: | | |
| RLA(=MCC/1.4;use for contactor selection): | | 19 | | |
| RLA(=MCC/1.56;use for breaker & wire size selection): | | 17.1 | | |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. | | | | |

Alternate Applications

| <u>Refrigerant</u> | <u>Freq (Hz)</u> | <u>Phase</u> | <u>Voltage</u> | <u>Application</u> |
|--------------------|------------------|--------------|----------------|--------------------|
| R-502 CFC | 50 | 3 | 380/420 | Low Temperature |