

3RA2-031A-CAB

HCFC, R-22, 60 Hz, 1 - Phase, 230 V

Medium 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 | | | Mechanical | | | | | |
|---|------------|------------|---|---------------|---------|----------|--------|------------------|
| Evaporator Temp. (°F) | 20.00 | 0 | Displacement (in ³ /Rev): | 10.34 | | | | |
| Condensing Temp. (°F) | 120.00 | 110 | Displacement (ft ³ /Hr): | | | | | |
| Return Gas Temp. (°F) | 65.00 | 50 | Overall Length (in): | 18.00 | | | | |
| Liquid Temp. (°F) | 120.00 | 95 | Overall Width (in): | 13.00 | | | | |
| Capacity (BTU/hr) | 25800 | 16500 | Overall Height (in): | 12.78 | | | | |
| Power (W): | 4030 | 3010 | Mounting Length (in): | 11.63 | | | | |
| Current (Amps): | 20.7 | 15.8 | Mounting Width (in): | 11.00 | | | | |
| EER(BTU/Wh): | 6.4 | 5.5 | Mounting Height (in): | 13.81 | | | | |
| Mass Flow (lbs/hr): | 377 | 228 | Suction Size (in),Type: | 1 1 / 8 Sweat | | | | |
| Sound Data @ | | | Discharge Size (in),Type: | 5 / 8 Flare | | | | |
| Sound Power (dBA): | Avg | Max | Initial Oil Charge (oz): | 70 | | | | |
| Vibration mils(peak-peak): | | | Oil Recharge (oz): | 65 | | | | |
| Record Date: | 2006-10-26 | | Oil Type: | ABO | | | | |
| | | | Net Weight (lbs): | 178.0 | | | | |
| | | | Internal Free Volume (in ³): | | | | | |
| | | | Horse Power: | | | | | |
| | | | *Overall compressor height on Copeland Brand Product's specified mounting grommets. | | | | | |
| Electrical | | | Capacitors | | | | | |
| LRA High* (Amps): | | 86.0 | Type | Part No | Low MFD | High MFD | Volt s | User Description |
| LRA Low*(Amps): | | | Run Capacitor | 014-0064-14 | 40.0 | 0.0 | 440 | COPE COMP |
| LRA Half Winding (Amps): | | | Start Capacitor | 014-0061-30 | 130.0 | 156.0 | 330 | COPE COMP |
| MCC (Amps): | | 24 | | | | | | |
| Max Operating Current (Amps): | | | | | | | | |
| RLA, MCC/1.4(use for contactor selection)(Amps): | | 17.1 | | | | | | |
| RLA, MCC/1.56(use for breaker & wire size selection)(Amps): | | 15.4 | | | | | | |
| RPM: | | | | | | | | |
| Box IP : | | | | | | | | |
| UL File No: | | SA-2337 | | | | | | |
| UL File Date: | | 1984-09-10 | | | | | | |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. | | | | | | | | |

Alternate Applications

| Refrigerant | Voltage | Phase | Frequency | Application |
|-------------|---------|-------|-----------|--------------------|
| R-502 CFC | 230 | 1 | 60 | Medium Temperature |