# RST55C1E-CAV

HFC, R-407C, 60 Hz, 1 -Phase, 208/230 V
High Temp

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

## Performance

| | | |
|---|---|---|
| Evaporator Temp. (°F) | 45 | 20 |
| Condensing Temp. (°F) | 130 | 120 |
| Return Gas Temp. (°F) | 65 | 65 |
| Liquid Temp. (°F) | 130 | 120 |
| Capacity (Btu/hr) | 8520 | 5160 |
| Power (W): | 1110 | 835 |
| Current (Amps): | 5.50 | 4.20 |
| EER (Btu/Wh): | 7.70 | 6.20 |
| Mass Flow (lbs/hr): | 135 | 74 |
| Sound Data @ | | |
| Sound Power (dBA): | 63 Avg | 68 Max |
| Vibration mils(peak-peak): | 0.0 Avg | 0.0 Max |
| Record Date: | 2011-08-01 | |

## Mechanical

| | |
|---|---|
| Displacment(in^3/Rev): | 1.06 |
| Displacment(ft^3/hr): | 129.13 |
| Overall Length (in): | 10.30 |
| Overall Width (in): | 7.10 |
| Overall Height (in): | 8.70 |
| Mounting Length (in): | 8.00 |
| Mounting Width (in): | 4.80 |
| Mounting Height (in): | 9.30 * |
| Suction Size (in),Type: | 3/8 Stub |
| Discharge Size (in),Type: | 1/4 Stub |
| Initial Oil Charge (oz): | 15 |
| Oil Recharge (oz): | 13 |
| Net Weight (lbs): | 38.0 |
| Internal Free Volume (in^3): | |
| Horse Power: | |

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

## Electrical

| | |
|---|---|
| LRA-High*(Amp): | 33.7 |
| LRA Low* (Amp): | |
| LRA-Half Winding (Amp): | |
| MCC (Amps): | 9.5 |
| Max Operating Current(Amp): | |
| RLA, MCC/1.4;use for contactor selection (Amp): | 6.8 |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp): | 6.1 |
| RPM: | |
| UL File No: | |
| UL File Date: | |

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

## Capacitors

| Type | Part No | Low MFD | High MFD | Volts | User Description |
|---|---|---|---|---|---|
| **Start Capacitor** | **014-0061-27** | **88.0** | **106.0** | **330** | |
| **Run Capacitor** | **014-0064-09** | **15.0** | **0.0** | **440** | |

## Alternate Applications

| Refrigerant | Voltage | Phase | Freq (Hz) | Application |
|---|---|---|---|---|
| R-404A HFC | 208/230 | 1 | 60 | Extended Medium Temp |
| R-448A HFO | 208/230 | 1 | 60 | Medium Temperature |
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