# RS70C1E-PFV

HFC, R-404A, 60Hz, 1- Phase, 208/230 V
Extended Medium Temp

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

## Performance

| Evap(°F)/Cond(°F) | 20 / 120 | -10 / 120 |
|---|---|---|
| RG(°F)/Liq(°F) | 40 / 120 | 40 / 120 |
| Capacity (Btu/hr) | 6950 | 2780 |
| Power (Watts): | 1290 | 799 |
| Current (Amps): | 5.70 | 3.60 |
| EER (Btu/Wh): | 5.40 | 3.50 |
| Mass Flow (lbs/hr): | 167 | 63 |
| Sound Power (dBA): | 0 Avg | 0 Max |
| Vibration (mils(peak- | 0.0 Avg | 0.0 Max |
| Record Date: | 2001-12-20 | |

## Mechanical

| | | | |
|---|---|---|---|
| Number of Cylinders: | 1 | Displ(in^3/Rev): | 1.44 |
| Bore Size(in): | 1.56 | Displ(ft^3/hr): | 174.65 |
| Stroke(in): | 0.75 | | |
| Overall Length (in): | 11.12 | Mounting Length (in): | 8.00 |
| Overall Width (in): | 6.62 | Mounting Width (in): | 4.81 |
| Overall Height (in): | 11.25 | Mounting Height (in): | 11.50 * |

| | |
|---|---|
| Suction Size (in): | 1/2 Stub |
| Discharge Size (in): | 3/8 Stub |
| Oil Recharge (oz): | 20 |
| Initial Oil Charge (oz): | 24 |
| Net Weight (lbs): | 50 |
| Internal Free Volume (in^3): | |
| Horse Power: | |

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

## Electrical

| | | | | | |
|---|---|---|---|---|---|
| LRA-High*: | 34.2 | MCC (Amps): | 9.8 | UL File No: | SA-2337 |
| LRA-Half Winding: | | RPM: | | UL File Date: | 23-Jun-1972 |
| LRA Low*: | | Max Operating Current: | | | |
| RLA(=MCC/1.4;use for contactor selection): | | 7 | | | |
| RLA(=MCC/1.56;use for breaker & wire size | | 6.3 | | | |

*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-404A HFC | 50 | 1 | 200 | |
| R-404A HFC | 50 | 1 | 200 | |
| R-407C HFC | 50 | 1 | 200 | |
| R-404A HFC | 60 | 1 | 208/230 | |
| R-404A HFC | 60 | 1 | 208/230 | Extended Medium Temp |
| R-404A HFC | 60 | 1 | 208/230 | High Temperature |
| R-407C HFC | 60 | 1 | 208/230 | |



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