

# RST45C1E-IAA

HFC, R-404A, 60Hz, 1- Phase, 115 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)               | 40.0 / 120.0 | 40.0 / 120.0 |
| Capacity (Btu/hr)            | 4140         | 1845         |
| Power (Watts):               | 890          | 617          |
| Current (Amps):              | 10.10        | 7.25         |
| EER (Btu/Wh):                | 4.60         | 3.00         |
| Mass Flow (lbs/hr):          | 98           | 42           |
| Sound Power (dBA):           | 0 Avg        | 0 Max        |
| Vibration (mils(peak-peak)): | 0.0 Avg      | 0.0 Max      |
| Record Date:                 | 2007-08-06   |              |

## Mechanical

|   |          |                              |        |
|---|----------|------------------------------|--------|
| Number of Cylinders:  | 1        | Displ(in <sup>3</sup> /Rev): | 0.89   |
| Bore Size(in):  | 1.34     | Displ(ft <sup>3</sup> /hr):  | 107.75 |
| Stroke(in):   | 0.62     |                              |        |
| Overall Length (in):  | 10.30    | Mounting Length (in):        | 8.00   |
| Overall Width (in):   | 7.10     | Mounting Width (in):         | 4.80   |
| Overall Height (in):  | 8.69     | Mounting Height (in):        | 9.31 * |
| Suction Size (in):  | 3/8 Stub |                              |        |
| Discharge Size (in):  | 1/4 Stub |                              |        |
| Oil Recharge (oz):  | 13       |                              |        |
| Initial Oil Charge (oz):  | 15       |                              |        |
| Net Weight (lbs):   | 37.2     |                              |        |
| Internal Free Volume (in <sup>3</sup> ):  |          |                              |        |
| Horse Power:  |          |                              |        |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |          |                              |        |

## Electrical

|   |             |                        |          |               |                  |
|---|-------------|------------------------|----------|---------------|------------------|
| LRA-High*:  | 54.5        | MCC (Amps):            | 14.7     | UL File No:   | SA-2337          |
| LRA-Half Winding:   |             | RPM:                   | 3500     | UL File Date: | 23-Jun-1972      |
| LRA Low*:   |             | Max Operating Current: |          |               |                  |
| RLA(=MCC/1.4;use for contactor selection):  |             | 10.5                   |          |               |                  |
| RLA(=MCC/1.56;use for breaker & wire size selection):   |             | 9.4                    |          |               |                  |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |             |                        |          |               |                  |
| Type  | Part No     | Low MFD                | High MFD | Volts         | User Description |
| Start Capacitor   | 014-0061-32 | 243.0                  | 292.0    | 165           |                  |

## Alternate Applications

| Refrigerant | Freq (Hz) | Phase | Voltage | Application |
|-------------|-----------|-------|---------|-------------|
| R-507 HFC   | 60        | 1     | 115     |             |
| R-407C HFC  | 60        | 1     | 115     | High Temp   |