

## ZR160KCE-TED

HFC, R-134a, 60 Hz, 3 -phase, 460 V  
Air Conditioning



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)            | 45 / 130     | 35 / 120     |
| RG(°F)/Liq(°F)               | 65.0 / 115.0 | 55.0 / 105.0 |
| Capacity (Btu/hr)            | 105000       | 91500        |
| Power (Watts):               | 9500         | 8400         |
| Current (Amps):              | 16.30        | 14.80        |
| EER (Btu/Wh):                | 11.10        | 10.90        |
| Mass Flow (lbs/hr):          | 1660         | 1400         |
| <u>Sound Data</u>            |              |              |
| Sound Power (dBA):           | 82 Avg       | 87 Max       |
| Vibration (mils(peak-peak)): | 4.0 Avg      | 5.5 Max      |
| Record Date:                 | 2016-06-20   |              |

### Mechanical

|                                                                                     |            |                       |         |
|-------------------------------------------------------------------------------------|------------|-----------------------|---------|
| Number of Cylinders:                                                                | 0          | Displ(in^3/Rev):      | 12.76   |
| Bore Size(in):                                                                      | 0.00       | Displ(ft^3/hr):       | 1550.70 |
| Stroke(in):                                                                         | 0.00       |                       |         |
| Overall Length (in):                                                                | 12.93      | Mounting Length (in): | 7.50    |
| Overall Width (in):                                                                 | 11.73      | Mounting Width (in):  | 7.50    |
| Overall Height (in):                                                                | 22.21      | Mounting Height (in): | 23.02 * |
| Suction Size (in):                                                                  | 1 3/8 Stub |                       |         |
| Discharge Size (in):                                                                | 7/8 Stub   |                       |         |
| Oil Recharge (oz):                                                                  | 110        |                       |         |
| Initial Oil Charge (oz):                                                            | 114        |                       |         |
| Net Weight (lbs):                                                                   | 143        |                       |         |
| Internal Free Volume (in^3):                                                        |            |                       |         |
| Horse Power:                                                                        |            |                       |         |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |            |                       |         |

### Electrical

|                                                                                                 |       |                        |      |               |             |
|-------------------------------------------------------------------------------------------------|-------|------------------------|------|---------------|-------------|
| LRA-High*:                                                                                      | 150.0 | MCC (Amps):            | 34.0 | UL File No:   | SA-2337     |
| LRA-Half Winding:                                                                               |       | RPM:                   | 3500 | UL File Date: | 27-Sep-1996 |
| LRA Low*:                                                                                       |       | Max Operating Current: | 27.0 |               |             |
| RLA(=MCC/1.4;use for contactor selection):                                                      | 24.3  |                        |      |               |             |
| RLA(=MCC/1.56;use for breaker & wire size)                                                      | 21.8  |                        |      |               |             |
| *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-134a HFC  | 50        | 3     | 380/420 | Air Conditioning |
| R-407C HFC  | 60        | 3     | 460     | Air Conditioning |
| R-407C HFC  | 50        | 3     | 380/420 | Air Conditioning |