

## ZR61KCE-TFD

HFC, R-407C, 60Hz, 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     | 45 / 100    |
| RG(°F)/Liq(°F)               | 65.0 / 115.0 | 65.0 / 85.0 |
| Capacity (Btu/hr)            | 60000        | 71700       |
| Power (Watts):               | 5360         | 3780        |
| Current (Amps):              | 8.30         | 6.60        |
| EER (Btu/Wh):                | 11.20        | 19.00       |
| Mass Flow (lbs/hr):          | 868          | 886         |
| Sound Power (dBA):           | 74 Avg       | 79 Max      |
| Vibration (mils(peak-peak)): | 2.0 Avg      | 3.0 Max     |
| Record Date:                 | 2014-08-05   |             |

### Mechanical

|                                                                                     |          |                       |         |
|-------------------------------------------------------------------------------------|----------|-----------------------|---------|
| Number of Cylinders:                                                                | 0        | Displ(in^3/Rev):      | 5.04    |
| Bore Size(in):                                                                      | 0.00     | Displ(ft^3/hr):       | 612.50  |
| Stroke(in):                                                                         | 0.00     |                       |         |
| Overall Length (in):                                                                | 9.69     | Mounting Length (in): | 7.50    |
| Overall Width (in):                                                                 | 9.69     | Mounting Width (in):  | 7.50    |
| Overall Height (in):                                                                | 17.75    | Mounting Height (in): | 18.00 * |
| Suction Size (in):                                                                  | 7/8 Stub |                       |         |
| Discharge Size (in):                                                                | 1/2 Stub |                       |         |
| Oil Recharge (oz):                                                                  | 62       |                       |         |
| Initial Oil Charge (oz):                                                            | 66       |                       |         |
| Net Weight (lbs):                                                                   | 79.5     |                       |         |
| Internal Free Volume (in^3):                                                        | 272.0    |                       |         |
| Horse Power:                                                                        | 5        |                       |         |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |          |                       |         |

### Electrical

|                                                                                                 |      |                        |      |               |             |
|-------------------------------------------------------------------------------------------------|------|------------------------|------|---------------|-------------|
| LRA-High*:                                                                                      | 63.0 | MCC (Amps):            | 14.0 | UL File No:   | SA-2337     |
| LRA-Half Winding:                                                                               |      | RPM:                   | 3500 | UL File Date: | 26-Jul-1993 |
| LRA Low*:                                                                                       |      | Max Operating Current: | 11.0 |               |             |
| RLA(=MCC/1.4;use for contactor selection):                                                      | 10   |                        |      |               |             |
| RLA(=MCC/1.56;use for breaker & wire size selection):                                           | 9    |                        |      |               |             |
| *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-134a HFC  | 60        | 3     | 460     | Air Conditioning |
| R-407C HFC  | 50        | 3     | 380/420 | Air Conditioning |