

# ZR125KCE-TF5

HFC, R-134a, 60 Hz, 3 -Phase, 200/230 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

|                            |            |         |
|----------------------------|------------|---------|
| Evaporator Temp. (°F)      | 45         | 35      |
| Condensing Temp. (°F)      | 130        | 120     |
| Return Gas Temp. (°F)      | 65         | 55      |
| Liquid Temp. (°F)          | 115        | 105     |
| Capacity (Btu/hr)          | 85000      | 73500   |
| Power (W):                 | 7570       | 6670    |
| Current (Amps):            | 24.75      | 22.95   |
| EER (Btu/Wh):              | 11.25      | 11.00   |
| Mass Flow (lbs/hr):        | 1350       | 1125    |
| <u>Sound Data @</u>        |            |         |
| Sound Power (dBA):         | 80 Avg     | 85 Max  |
| Vibration mils(peak-peak): | 3.0 Avg    | 4.0 Max |
| Record Date:               | 2017-03-23 |         |

## Mechanical

|  |            |
|--|------------|
| Displacment(in <sup>3</sup> /Rev):       | 10.20      |
| Displacment(ft <sup>3</sup> /hr):        | 1239.34    |
| Overall Length (in):                     | 10.38      |
| Overall Width (in):                      | 11.23      |
| Overall Height (in):                     | 21.00      |
| Mounting Length (in):                    | 7.50       |
| Mounting Width (in):                     | 7.50       |
| Mounting Height (in):                    | 21.75 *    |
| Suction Size (in),Type:                  | 1 3/8 Stub |
| Discharge Size (in),Type:                | 7/8 Stub   |
| Initial Oil Charge (oz):                 | 110        |
| Oil Recharge (oz):                       | 106        |
| Net Weight (lbs):                        | 135.0      |
| Internal Free Volume (in <sup>3</sup> ): | 809.0      |
| Horse Power:                             | 10.00      |

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

## Electrical

|  |            |
|--|------------|
| LRA-High*(Amp):  | 239.0      |
| LRA Low* (Amp):  |            |
| LRA-Half Winding (Amp):                                    |            |
| MCC (Amps):  | 55.0       |
| Max Operating Current(Amp):                                | 39.1       |
| RLA, MCC/1.4;use for contactor selection (Amp):            | 39.3       |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp): | 35.3       |
| RPM:   | 3500       |
| UL File No:  | SA-2337    |
| UL File Date:  | 1996-09-27 |

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

## Capacitors

## Alternate Applications

| <u>Refrigerant</u> | <u>Voltage</u> | <u>Phase</u> | <u>Freq (Hz)</u> | <u>Application</u> |
|--------------------|----------------|--------------|------------------|--------------------|
| R-134a HFC         | 200/220        | 3            | 50               | Air Conditioning   |
| R-407C HFC         | 200/220        | 3            | 50               | Air Conditioning   |
| R-407C HFC         | 200/230        | 3            | 60               | Air Conditioning   |