

# ZR34K3E-TFD



HFC, R-407C, Dew Point, 50 Hz, 3 - Phase, 380/420 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)               | 65/115     | 65/85   |
| Capacity (Btu/hr):           | 27000      | 32600   |
| Power (Watts):               | 2530       | 1640    |
| Current (Amps):              | 4.7        | 3.6     |
| EER (Btu/Wh):                | 10.7       | 19.8    |
| Mass Flow (lbs/hr):          | 392.0      | 404.0   |
| Sound Power(dBA):            | 68 Ave     | 73 Max  |
| Vibration (mils(peak-peak)): | 2.0 Ave    | 3.0 Max |
| Record Date:                 | 2005-04-15 |         |

## Mechanical

|  |          |                               |          |
|--|----------|-------------------------------|----------|
| Number of Cylinders:   | 0        | Displ (in <sup>3</sup> /Rev): | 2.816    |
| Bore Size (in):  | 0.0      | Displ (ft <sup>3</sup> /hr):  | 283.5543 |
| Stroke (in):   | 0.0      |                               |          |
| Overall Length (in):   | 9.567    | Mounting Length (in):         | 7.5      |
| Overall Width (in):  | 9.567    | Mounting Width(in):           | 7.5      |
| Overall Height (in):   | 15.729   | Mounting Height (in):         | 15.965*  |
| Suction Size (in):   | 3/4 Stub |                               |          |
| Discharge Size (in):   | 1/2 Stub |                               |          |
| Initial Oil Charge (oz):   | 42       |                               |          |
| Oil Recharge (oz):   | 38       |                               |          |
| Net Weight (lbs):  | 59.3     |                               |          |
| Internal Free Volume (in <sup>3</sup> ):   | 188.0    |                               |          |
| HorsePower   | 3.0      |                               |          |
| * Overall compressor height on Copeland Brand Product's specified mounting grommets. |          |                               |          |

## Electrical

|   |      |                        |      |               |             |
|---|------|------------------------|------|---------------|-------------|
| LRA-High*:  | 40.0 | MCC (Amps):            | 8.0  | UL File No.:  |             |
| LRA-Half Winding:   |      | RPM:                   | 2900 | UL File Date: | 14-Jun-1994 |
| LRA-Low*:   | 36.0 | Max Operating Current: | 6.3  | CSA File No.: |             |
| RLA(=MCC/1.4; use for contactor selection):   | 5.7  |                        |      |               |             |
| RLA (=MCC/1.56; use for breaker & wire size selection):   | 5.1  |                        |      |               |             |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |      |                        |      |               |             |

## Alternate Applications

| Refrigerant | Frequency(Hz) | Phase | Voltage | Application      |
|-------------|---------------|-------|---------|------------------|
| R-134a HFC  | 60            | 3     | 460     | Air Conditioning |
| R-407C HFC  | 60            | 3     | 460     | Air Conditioning |
| R-134a HFC  | 50            | 3     | 380/420 | Air Conditioning |