

## ZF15K4E-TF5

HFC, R-407C, 60Hz, 3- Phase, 200/230 V

Low Temp, Liquid Injected



**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)                     | -25 / 105             | -40 / 105 |
| RG(°F)/Liq(°F)                        | 65 / 105              | 65 / 105  |
| Capacity (Btu/hr)                     | 12600                 | 8820      |
| Power (Watts):                        | 3120                  | 2810      |
| Current (Amps):                       | 19.40                 | 18.00     |
| EER (Btu/Wh):                         | 4.05                  | 3.15      |
| Mass Flow (lbs/hr):                   | 163                   | 113       |
| Sound Power (dBA):                    | 78 Avg                | 83 Max    |
| Vibration (mils(peak-<br>Record Date: | 2.0 Avg<br>2010-08-31 | 3.0 Max   |

### 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):                                                                | 11.16    | Mounting Length (in): | 7.50    |
| Overall Width (in):                                                                 | 9.67     | Mounting Width (in):  | 7.50    |
| Overall Height (in):                                                                | 18.50    | Mounting Height (in): | 19.25 * |
| Suction Size (in):                                                                  | 7/8 Stub |                       |         |
| Discharge Size (in):                                                                | 1/2 Stub |                       |         |
| Oil Recharge (oz):                                                                  | 60       |                       |         |
| Initial Oil Charge (oz):                                                            | 64       |                       |         |
| Net Weight (lbs):                                                                   | 80       |                       |         |
| Internal Free Volume (in^3):                                                        | 363.0    |                       |         |
| Horse Power:                                                                        | 5        |                       |         |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |          |                       |         |

### Electrical

|                                                                                                 |       |                        |      |               |
|-------------------------------------------------------------------------------------------------|-------|------------------------|------|---------------|
| LRA-High*:                                                                                      | 123.0 | MCC (Amps):            | 26.5 | UL File No:   |
| LRA-Half Winding:                                                                               |       | RPM:                   | 0    | UL File Date: |
| LRA Low*:                                                                                       |       | Max Operating Current: | 22.0 |               |
| RLA(=MCC/1.4;use for contactor selection):                                                      | 18.9  |                        |      |               |
| RLA(=MCC/1.56;use for breaker & wire size                                                       | 17    |                        |      |               |
| *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-22 HCFC   | 50        | 3     | 200/220 | Medium Temp, Liquid Injected |
| R-22 HCFC   | 50        | 3     | 200/220 | Low Temp, Liquid Injected    |
| R-134a HFC  | 50        | 3     | 200/220 | Medium Temp, Liquid Injected |
| R-134a HFC  | 50        | 3     | 200/220 | Low Temp, Liquid Injected    |
| R-134a HFC  | 50        | 3     | 200/220 | High Temp                    |
| R-404A HFC  | 50        | 3     | 200/220 | Medium Temp, Liquid Injected |
| R-404A HFC  | 50        | 3     | 200/220 | Low Temp, Liquid Injected    |
| R-507 HFC   | 50        | 3     | 200/220 | Medium Temp, Liquid Injected |
| R-507 HFC   | 50        | 3     | 200/220 | Low Temp, Low Condensing     |
| R-407C HFC  | 50        | 3     | 200/220 |                              |
| R-407C HFC  | 50        | 3     | 200/220 |                              |

## Alternate Applications

| <u>Refrigerant</u> | <u>Freq (Hz)</u> | <u>Phase</u> | <u>Voltage</u> | <u>Application</u>           |
|--------------------|------------------|--------------|----------------|------------------------------|
| R-407A HFC         | 50               | 3            | 200/220        | Low Temp, Liquid Injected    |
| R-407A HFC         | 50               | 3            | 200/220        |                              |
| R-407F HFC         | 50               | 3            | 200/220        |                              |
| R-407F HFC         | 50               | 3            | 200/220        | Low Temp, Liquid Injected    |
| R-22 HCFC          | 60               | 3            | 200/230        | Medium Temp, Liquid Injected |
| R-22 HCFC          | 60               | 3            | 200/230        | Low Temp, Liquid Injected    |
| R-134a HFC         | 60               | 3            | 200/230        | Medium Temp, Liquid Injected |
| R-134a HFC         | 60               | 3            | 200/230        | Low Temp, Liquid Injected    |
| R-134a HFC         | 60               | 3            | 200/230        | High Temp                    |
| R-404A HFC         | 60               | 3            | 200/230        | Medium Temp, Liquid Injected |
| R-404A HFC         | 60               | 3            | 200/230        | Low Temp, Low Condensing     |
| R-507 HFC          | 60               | 3            | 200/230        | Medium Temp, Liquid Injected |
| R-507 HFC          | 60               | 3            | 200/230        | Low Temp, Low Condensing     |
| R-407C HFC         | 60               | 3            | 200/230        | UL Medium Temp               |
| R-407A HFC         | 60               | 3            | 200/230        | Low Temp, Liquid Injected    |
| R-407A HFC         | 60               | 3            | 200/230        |                              |
| R-407F HFC         | 60               | 3            | 200/230        |                              |
| R-407F HFC         | 60               | 3            | 200/230        | Low Temp, Liquid Injected    |
| R-404A HFC         | 50               | 3            | 200/220        | Low Temp, Low Condensing     |
| R-407A HFC         | 50               | 3            | 200/220        | UL Low Temp                  |
| R-507 HFC          | 50               | 3            | 200/220        | Low Temp, Liquid Injected    |
| R-404A HFC         | 60               | 3            | 200/230        | Low Temp, Liquid Injected    |
| R-407A HFC         | 60               | 3            | 200/230        | UL Low Temp                  |
| R-507 HFC          | 60               | 3            | 200/230        | Low Temp, Liquid Injected    |