

## ZFD25KVE-TFE

HFC, R-407F, 60 Hz, 3 - Phase, 575 V

## Low Temp, Economized

**Production Status:** Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

| Performance                |            |         | Mechanical                                                                          |            |
|----------------------------|------------|---------|-------------------------------------------------------------------------------------|------------|
| Evaporator Temp. (°F)      | -25.00     | -40     | Displacement (in^3/Rev):                                                            | 7.50       |
| Condensing Temp. (°F)      | 105.00     | 105     | Displacement (ft^3/Hr):                                                             |            |
| Return Gas Temp. (°F)      | 65.00      | 65      | Overall Length (in):                                                                | 9.68       |
| Liquid Temp. (°F)          | 105.00     | 105     | Overall Width (in):                                                                 | 10.13      |
| Capacity (BTU/hr)          | 28800      | 19250   | Overall Height (in):                                                                | 18.94      |
| Power (W):                 | 4920       | 4320    | Mounting Length (in):                                                               | 7.50       |
| Current (Amps):            | 6.05       | 5.5     | Mounting Width (in):                                                                | 7.50       |
| EER(BTU/Wh):               | 5.85       | 4.45    | Mounting Height (in):                                                               | 19.69      |
| Mass Flow (lbs/hr):        | 287        | 187     | Suction Size (in),Type:                                                             | 7 / 8 Stub |
| Sound Data @               |            |         | Discharge Size (in),Type:                                                           | 3 / 4 Stub |
| Sound Power (dBA):         | 80 Avg     | 85 Max  | Initial Oil Charge (oz):                                                            | 64         |
| Vibration mils(peak-peak): | 2.0 Avg    | 3.0 Max | Oil Recharge (oz):                                                                  | 60         |
| Record Date:               | 2017-02-22 |         | Oil Type:                                                                           | POE        |
|                            |            |         | Net Weight (lbs):                                                                   | 95.0       |
|                            |            |         | Internal Free Volume (in^3):                                                        |            |
|                            |            |         | Horse Power:                                                                        | 7.5        |
|                            |            |         | *Overall compressor height on Copeland Brand Product's specified mounting grommets. |            |

| Electrical                                                                                      |      | Capacitors                 |         |         |          |       |                  |
|-------------------------------------------------------------------------------------------------|------|----------------------------|---------|---------|----------|-------|------------------|
| LRA High* (Amps):                                                                               | 82.4 | Type                       | Part No | Low MFD | High MFD | Volts | User Description |
| LRA Low*(Amps):                                                                                 |      | No data available in table |         |         |          |       |                  |
| LRA Half Winding (Amps):                                                                        |      |                            |         |         |          |       |                  |
| MCC (Amps):                                                                                     | 12.7 |                            |         |         |          |       |                  |
| Max Operating Current (Amps):                                                                   | 10.4 |                            |         |         |          |       |                  |
| RLA, MCC/1.4(use for contactor selection)(Amps):                                                | 9.1  |                            |         |         |          |       |                  |
| RLA, MCC/1.56(use for breaker & wire size selection)(Amps):                                     | 8.1  |                            |         |         |          |       |                  |
| RPM:                                                                                            | 3500 |                            |         |         |          |       |                  |
| Box IP :                                                                                        | 21   |                            |         |         |          |       |                  |
| UL File No:                                                                                     |      |                            |         |         |          |       |                  |
| UL File Date:                                                                                   |      |                            |         |         |          |       |                  |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |      |                            |         |         |          |       |                  |

| Alternate Applications |         |       |           |                         |  |
|------------------------|---------|-------|-----------|-------------------------|--|
| Refrigerant            | Voltage | Phase | Frequency | Application             |  |
| R-404A HFC             | 575     | 3     | 60        | Low Temp, Economized    |  |
| R-404A HFC             | 575     | 3     | 60        | Medium Temp, Economized |  |
| R-407A HFC             | 575     | 3     | 60        | Low Temp, Economized    |  |
| R-407A HFC             | 575     | 3     | 60        | Medium Temp, Economized |  |
| R-407C HFC             | 575     | 3     | 60        | Low Temp, Economized    |  |
| R-407C HFC             | 575     | 3     | 60        | Medium Temp, Economized |  |
| R-448A HFO             | 575     | 3     | 60        | Low Temp, Economized    |  |
| R-448A HFO             | 575     | 3     | 60        | Medium Temp, Economized |  |
| R-449A HFO             | 575     | 3     | 60        | Low Temp, Economized    |  |
| R-449A HFO             | 575     | 3     | 60        | Medium Temp, Economized |  |
| R-507 HFC              | 575     | 3     | 60        | Low Temp, Economized    |  |
| R-507 HFC              | 575     | 3     | 60        | Medium Temp, Economized |  |