

ZFD25KVE-TFE

HFC, R-404A, 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)          | 36600      | 25500   | Overall Height (in):                                                                | 18.94      |
| Power (W):                 | 5950       | 5180    | Mounting Length (in):                                                               | 7.50       |
| Current (Amps):            | 7.05       | 6.3     | Mounting Width (in):                                                                | 7.50       |
| EER(BTU/Wh):               | 6.15       | 4.9     | Mounting Height (in):                                                               | 19.69      |
| Mass Flow (lbs/hr):        | 429        | 284     | 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:                                                 | SA-2337    |                            |         |         |          |                        |
| UL File Date:                                               | 2014-03-21 |                            |         |         |          |                        |

\*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        | 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-407F HFC             | 575     | 3     | 60        | Low 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 |