

ZO45K3E-TFD

CO2, R-744, 60 Hz, 3 -Phase, 460 V

Extra-Low Temperature



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) | -31 | -58 |
| Condensing Temp. (°F) | 14 | 14 |
| Return Gas Temp. (°F) | 5 | -22 |
| Liquid Temp. (°F) | 14 | 14 |
| Capacity (Btu/hr) | 42700 | 21600 |
| Power (W): | 2600 | 2670 |
| Current (Amps): | 4.30 | 4.30 |
| EER (Btu/Wh): | 16.50 | 8.10 |
| Mass Flow (lbs/hr): | 355 | 183 |
| Sound Data @ | | |
| Sound Power (dBA): | 70 Avg | 75 Max |
| Vibration mils(peak-peak): | 2.0 Avg | 3.0 Max |
| Record Date: | 2016-08-02 | |

Electrical

| | |
|---|------|
| LRA-High*(Amp): | 35.0 |
| LRA Low* (Amp): | |
| LRA-Half Winding (Amp): | |
| MCC (Amps): | 8.0 |
| Max Operating Current(Amp): | 6.2 |
| RLA, MCC/1.4;use for contactor selection (Amp): | 5.7 |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp): | 5.1 |
| RPM: | 3500 |
| UL File No: | |
| UL File Date: | |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. | |

Mechanical

| | |
|---|--------------|
| Displacment(in^3/Rev): | 1.87 |
| Displacment(ft^3/hr): | 227.62 |
| Overall Length (in): | 9.54 |
| Overall Width (in): | 9.27 |
| Overall Height (in): | 15.13 |
| Mounting Length (in): | 7.50 |
| Mounting Width (in): | 7.50 |
| Mounting Height (in): | 15.87 * |
| Suction Size (in),Type: | 1 1/4 Rotalo |
| Discharge Size (in),Type: | 1 Rotalo |
| Initial Oil Charge (oz): | 48 |
| Oil Recharge (oz): | 44 |
| Net Weight (lbs): | 62.0 |
| Internal Free Volume (in^3): | 155.0 |
| Horse Power: | 2.50 |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | |

Capacitors

Alternate Applications

| Refrigerant | Voltage | Phase | Freq (Hz) | Application |
|-------------|---------|-------|-----------|-----------------------|
| R-744 CO2 | 380/420 | 3 | 50 | Extra-Low Temperature |