

ZF18K4E-TFD

HFC, R-134a, 60Hz, 3- Phase, 460 V

High Temp



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 | 20 / 120 |
| RG(°F)/Liq(°F) | 65.0 / 130.0 | 65.0 / 120.0 |
| Capacity (Btu/hr) | 45600 | 28800 |
| Power (Watts): | 4530 | 3610 |
| Current (Amps): | 7.70 | 6.80 |
| EER (Btu/Wh): | 10.10 | 8.00 |
| Mass Flow (lbs/hr): | 795 | 459 |
| Sound Power (dBA): | 80 Avg | 85 Max |
| Vibration (mils(peak-peak)): | 2.0 Avg | 3.0 Max |
| Record Date: | 2005-05-03 | |

Mechanical

| | | | |
|---|-------|------------------------------|---------|
| Number of Cylinders: | 0 | Displ(in ³ /Rev): | 5.98 |
| Bore Size(in): | 0.00 | Displ(ft ³ /hr): | 727.10 |
| 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): | | 87 | |
| Internal Free Volume (in ³): | | 345.0 | |
| Horse Power: | | | |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | | | |

Electrical

| | | | | | |
|---|------|------------------------|------|---------------|-------------|
| LRA-High*: | 75.0 | MCC (Amps): | 13.0 | UL File No: | SA-2337 |
| LRA-Half Winding: | | RPM: | 3500 | UL File Date: | 15-Jun-1994 |
| LRA Low*: | | Max Operating Current: | 12.5 | | |
| RLA(=MCC/1.4;use for contactor selection): | | 9.3 | | | |
| RLA(=MCC/1.56;use for breaker & wire size selection): | | 8.3 | | | |
| *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 | 60 | 3 | 460 | Medium Temp, Liquid Injected |
| R-22 HCFC | 60 | 3 | 460 | Low Temp, Liquid Injected |
| R-134a HFC | 60 | 3 | 460 | Medium Temp, Liquid Injected |
| R-134a HFC | 60 | 3 | 460 | Low Temp, Liquid Injected |
| R-404A HFC | 60 | 3 | 460 | Medium Temp, Liquid Injected |
| R-404A HFC | 60 | 3 | 460 | Low Temp, Low Condensing |
| R-507 HFC | 60 | 3 | 460 | Medium Temp, Liquid Injected |
| R-507 HFC | 60 | 3 | 460 | Low Temp, Liquid Injected |
| R-407C HFC | 60 | 3 | 460 | |
| R-407C HFC | 60 | 3 | 460 | Low Temp, Liquid Injected |

Alternate Applications

| <u>Refrigerant</u> | <u>Freq (Hz)</u> | <u>Phase</u> | <u>Voltage</u> | <u>Application</u> |
|--------------------|------------------|--------------|----------------|------------------------------|
| R-407A HFC | 60 | 3 | 460 | |
| R-407A HFC | 60 | 3 | 460 | Low Temp, Liquid Injected |
| R-407F HFC | 60 | 3 | 460 | |
| R-407F HFC | 60 | 3 | 460 | Low Temp, Liquid Injected |
| R-448A HFO | 60 | 3 | 460 | Medium Temp, Liquid Injected |
| R-448A HFO | 60 | 3 | 460 | Low Temp, Low Condensing |
| R-449A HFO | 60 | 3 | 460 | Medium Temp, Liquid Injected |
| R-449A HFO | 60 | 3 | 460 | Low Temp, Low Condensing |
| R-22 HCFC | 50 | 3 | 380/420 | Medium Temp, Liquid Injected |
| R-22 HCFC | 50 | 3 | 380/420 | Low Temp, Liquid Injected |
| R-134a HFC | 50 | 3 | 380/420 | Medium Temp, Liquid Injected |
| R-134a HFC | 50 | 3 | 380/420 | Low Temp, Liquid Injected |
| R-134a HFC | 50 | 3 | 380/420 | High Temp |
| R-404A HFC | 50 | 3 | 380/420 | Medium Temp, Liquid Injected |
| R-404A HFC | 50 | 3 | 380/420 | Low Temp, Low Condensing |
| R-507 HFC | 50 | 3 | 380/420 | Medium Temp, Liquid Injected |
| R-507 HFC | 50 | 3 | 380/420 | Low Temp, Low Condensing |
| R-407C HFC | 50 | 3 | 380/420 | |
| R-407C HFC | 50 | 3 | 380/420 | UL Low Temp |
| R-407A HFC | 50 | 3 | 380/420 | UL Medium Temp |
| R-407A HFC | 50 | 3 | 380/420 | UL Low Temp |
| R-407F HFC | 50 | 3 | 380/420 | |
| R-407F HFC | 50 | 3 | 380/420 | Low Temp, Liquid Injected |
| R-448A HFO | 50 | 3 | 380/420 | Medium Temp, Liquid Injected |
| R-448A HFO | 50 | 3 | 380/420 | Low Temp, Low Condensing |
| R-449A HFO | 50 | 3 | 380/420 | Medium Temp, Liquid Injected |
| R-449A HFO | 50 | 3 | 380/420 | Low Temp, Low Condensing |
| R-404A HFC | 50 | 3 | 380/420 | Low Temp, Liquid Injected |
| R-507 HFC | 50 | 3 | 380/420 | Low Temp, Liquid Injected |
| R-404A HFC | 60 | 3 | 460 | Low Temp, Liquid Injected |
| R-407C HFC | 60 | 3 | 460 | UL Low Temp |
| R-407A HFC | 50 | 3 | 380/420 | Low Temp, Liquid Injected |
| R-449A HFO | 60 | 3 | 460 | Low Temp, Liquid Injected |
| R-449A HFO | 50 | 3 | 380/420 | Low Temp, Liquid Injected |
| R-448A HFO | 60 | 3 | 460 | Low Temp, Liquid Injected |
| R-448A HFO | 50 | 3 | 380/420 | Low Temp, Liquid Injected |