# ZF40K4E-TWC

HFC, R-404A, 60Hz, 3- Phase, 208/230 V
Medium Temp, Liquid Injected

Production Status: This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Emerson Climate Technologies Wholesaler. Please check with your local Emerson Climate Technologies Representative for international availability.

## Performance

| Evap(°F)/Cond(°F) | 20 / 120 | 0 / 110 |
|---|---|---|
| RG(°F)/Liq(°F) | 65 / 120 | 65 / 110 |
| Capacity (Btu/hr) | 92500 | 68500 |
| Power (Watts): | 13700 | 11300 |
| Current (Amps): | 39.50 | 33.80 |
| EER (Btu/Wh): | 6.80 | 6.10 |
| Mass Flow (lbs/hr): | 1950 | 1300 |
| Sound Power (dBA): | 86 Avg | 91 Max |
| Vibration (mils(peak- | 2.0 Avg | 3.0 Max |
| Record Date: | 2004-06-16 | |

## Mechanical

| | | | |
|---|---|---|---|
| Number of Cylinders: | 0 | Displ(in^3/Rev): | 12.47 |
| Bore Size(in): | 0.00 | Displ(ft^3/hr): | 1515.21 |
| Stroke(in): | 0.00 | | |
| Overall Length (in): | 12.44 | Mounting Length (in): | 8.65 |
| Overall Width (in): | 14.50 | Mounting Width (in): | 8.65 |
| Overall Height (in): | 21.64 | Mounting Height (in): | 22.39 * |

| | |
|---|---|
| Suction Size (in): | 1 3/4 Rotalock |
| Discharge Size (in): | 1 1/4 Rotalock |
| Oil Recharge (oz): | 137 |
| Initial Oil Charge (oz): | 140 |
| Net Weight (lbs): | 212 |
| Internal Free Volume (in^3): | 1059.0 |
| Horse Power: | |

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

## Electrical

| | | | | | |
|---|---|---|---|---|---|
| LRA-High*: | 350 | MCC (Amps): | 74.0 | UL File No: | SA-9747 |
| LRA-Half Winding: | | RPM: | | UL File Date: | 12-Jul-1994 |
| LRA Low*: | | Max Operating Current: | 55.4 | | |
| RLA(=MCC/1.4;use for contactor selection): | | 52.9 | | | |
| RLA(=MCC/1.56;use for breaker & wire size | | 47.4 | | | |

*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 | Low Temp, Liquid Injected |
| R-22 HCFC | 50 | 3 | 200 | Medium Temp, Liquid Injected |
| R-404A HFC | 50 | 3 | 200 | Low Temp, Low Condensing |
| R-404A HFC | 50 | 3 | 200 | Low Temp, Liquid Injected |
| R-404A HFC | 50 | 3 | 200 | Medium Temp, Liquid Injected |
| R-507 HFC | 50 | 3 | 200 | Low Temp, Low Condensing |
| R-507 HFC | 50 | 3 | 200 | Low Temp, Liquid Injected |
| R-507 HFC | 50 | 3 | 200 | Medium Temp, Liquid Injected |
| R-22 HCFC | 60 | 3 | 208/230 | Low Temp, Liquid Injected |
| R-22 HCFC | 60 | 3 | 208/230 | Medium Temp, Liquid Injected |
| R-404A HFC | 60 | 3 | 208/230 | Low Temp, Low Condensing |



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# Alternate Applications

| Refrigerant | Freq (Hz) | Phase | Voltage | Application |
|---|---|---|---|---|
| R-404A HFC | 60 | 3 | 208/230 | Low Temp, Liquid Injected |
| R-507 HFC | 60 | 3 | 208/230 | Low Temp, Low Condensing |
| R-507 HFC | 60 | 3 | 208/230 | Low Temp, Liquid Injected |
| R-507 HFC | 60 | 3 | 208/230 | Medium Temp, Liquid Injected |



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