

ZR61K3E-TFD

HCFC, R-22, 60 Hz, 3 - Phase, 460 V , [Also Available with Variable Frequency Drives](#)

Air Conditioning

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. Copeland Wholesaler. Please check with your local Copeland Representative for international availability.

| Performance | | | Mechanical | |
|----------------------------|------------|---------|-------------------------------------------------------------------------------------|------------|
| Evaporator Temp. (°F) | 45.00 | 45 | Displacement (in^3/Rev): | 5.04 |
| Condensing Temp. (°F) | 130.00 | 100 | Displacement (ft^3/Hr): | |
| Return Gas Temp. (°F) | 65.00 | 65 | Overall Length (in): | 9.70 |
| Liquid Temp. (°F) | 115.00 | 85 | Overall Width (in): | 9.70 |
| Capacity (BTU/hr) | 62000 | 74000 | Overall Height (in): | 17.20 |
| Power (W): | 5350 | 3690 | Mounting Length (in): | 7.50 |
| Current (Amps): | 7.8 | 5.9 | Mounting Width (in): | 7.50 |
| EER(BTU/Wh): | 11.6 | 20 | Mounting Height (in): | 18.00 |
| Mass Flow (lbs/hr): | 910 | 955 | Suction Size (in),Type: | 7 / 8 Stub |
| Sound Data @ | | | Discharge Size (in),Type: | 1 / 2 Stub |
| Sound Power (dBA): | 74 Avg | 79 Max | Initial Oil Charge (oz): | 66 |
| Vibration mils(peak-peak): | 2.0 Avg | 3.0 Max | Oil Recharge (oz): | 62 |
| Record Date: | 2014-03-06 | | Oil Type: | 3MA |
| | | | Net Weight (lbs): | 84.0 |
| | | | Internal Free Volume (in^3): | 257.0 |
| | | | *Overall compressor height on Copeland Brand Product's specified mounting grommets. | |

| Electrical | | Capacitors | | | | |
|-------------------------------------------------------------|-----------------|----------------------------|---------|---------|----------|------------------------|
| LRA High* (Amps): | 62 | Type | Part No | Low MFD | High MFD | Volts User Description |
| LRA Low*(Amps): | | No data available in table | | | | |
| LRA Half Winding (Amps): | | | | | | |
| MCC (Amps): | 12.8 | | | | | |
| Max Operating Current (Amps): | 9.60 | | | | | |
| RLA, MCC/1.4(use for contactor selection)(Amps): | 9.1 | | | | | |
| RLA, MCC/1.56(use for breaker & wire size selection)(Amps): | 8.2 | | | | | |
| RPM: | 3500 | | | | | |
| Box IP : | 21 | | | | | |
| UL File No: | SA2337-19930726 | | | | | |
| UL File Date: | 1993-07-26 | | | | | |

*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-22 HCFC | 380/420 | 3 | 50 | Air Conditioning |
| R-407C HFC | 460 | 3 | 60 | Air Conditioning |
| R-407C HFC | 380/420 | 3 | 50 | Air Conditioning |