# ZR61KCE-TF5

HFC, R-407C, 60 Hz, 3 - Phase, 200/230 V , Also Available with Variable Frequency Drives

**Air Conditioning**

Production Status: Available for sale to all U.S. customers. Please check with your local Copeland Representative for international availability.

## Summary

| | Performance | |
|---|---|---|
| **Evaporator Temp. (°F)** | 45.00 | 45 |
| **Condensing Temp. (°F)** | 130.00 | 100 |
| **Return Gas Temp. (°F)** | 65.00 | 65 |
| **Liquid Temp. (°F)** | 115.00 | 85 |
| **Capacity (BTU/hr)** | 60000 | 71700 |
| **Power (W):** | 5460 | 3850 |
| **Current (Amps):** | 16.6 | 13.2 |
| **EER(BTU/Wh):** | 11 | 18.65 |
| **Mass Flow (lbs/hr):** | 867 | 886 |
| **Sound Data @** | | |
| **Sound Power (dBA):** | 74 Avg | 79 Max |
| **Vibration mils(peak-peak):** | 2.0 Avg | 3.0 Max |
| **Record Date:** | 2015-12-16 | |

| | Mechanical |
|---|---|
| **Displacement (in^3/Rev):** | 5.04 |
| **Displacement (ft^3/Hr):** | |
| **Overall Length (in):** | 9.69 |
| **Overall Width (in):** | 9.83 |
| **Overall Height (in):** | 17.24 |
| **Mounting Length (in):** | 7.50 |
| **Mounting Width (in):** | 7.50 |
| **Mounting Height (in):** | 18.00 |

| | |
|---|---|
| **Suction Size (in),Type:** | 1 1 / 4 Rotalock |
| **Discharge Size (in),Type:** | 1 Rotalock |
| **Initial Oil Charge (oz):** | 66 |
| **Oil Recharge (oz):** | 62 |
| **Oil Type:** | 3MA |
| **Net Weight (lbs):** | 78.0 |
| **Internal Free Volume (in^3):** | 272.0 |

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

**Electrical**

| | |
|---|---|
| **LRA High* (Amps):** | 128 |
| **LRA Low*(Amps):** | |
| **LRA Half Winding (Amps):** | |
| **MCC (Amps):** | 29 |
| **Max Operating Current (Amps):** | 25.00 |
| **RLA, MCC/1.4(use for contactor selection)(Amps):** | 20.7 |
| **RLA, MCC/1.56(use for breaker & wire size selection)(Amps):** | 18.6 |
| **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.

**Capacitors**

| Type | Part No | Low MFD | High MFD | Volts | User Description |
|---|---|---|---|---|---|
| No data available in table | | | | | |

**Alternate Applications**

| Refrigerant | Voltage | Phase | Frequency | Application |
|---|---|---|---|---|
| R-134a HFC | 200/220 | 3 | 50 | Air Conditioning |
| R-134a HFC | 200/230 | 3 | 60 | Air Conditioning |
| R-407C HFC | 200/220 | 3 | 50 | Air Conditioning |

## Nomenclature

ZR61KCE-TF5

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**Family Series**

**Z:** Scroll

**Application Range**

**R:** A/C - R-22/407C/134a

**Capacity**

**61K:** Capacity Multiplier-1000

**Model Variation**

**C:** Model Variation

**Oil Type**

**E:** Polyol Ester

**Motor Type**

**T:** 3 Phase

**Motor Protection**

**F:** Internal Inherent Protection

**Voltage**

**5:** 60Hz (200/230-3) 50Hz (200/220-3)