

ZR54K5E-TF5

HCFC, R-22, 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.

| Performance                |            |         | Mechanical  |            |
|----------------------------|------------|---------|---|------------|
| Evaporator Temp. (°F)      | 45.00      | 50      | Displacement (in^3/Rev):  | 4.39       |
| Condensing Temp. (°F)      | 130.00     | 100     | Displacement (ft^3/Hr):   |            |
| Return Gas Temp. (°F)      | 65.00      | 70      | Overall Length (in):  | 9.70       |
| Liquid Temp. (°F)          | 115.00     | 85      | Overall Width (in):   | 9.70       |
| Capacity (BTU/hr)          | 53500      | 69400   | Overall Height (in):  | 16.40      |
| Power (W):                 | 4740       | 3140    | Mounting Length (in):   | 7.50       |
| Current (Amps):            | 13.6       | 10.2    | Mounting Width (in):  | 7.50       |
| EER(BTU/Wh):               | 11.3       | 22.1    | Mounting Height (in):   | 17.20      |
| Mass Flow (lbs/hr):        | 785        | 889     | Suction Size (in),Type:   | 7 / 8 Stub |
| Sound Data @ 45 / 130      |            |         | Discharge Size (in),Type:   | 1 / 2 Stub |
| Sound Power (dBA):         | 73 Avg     | 78 Max  | Initial Oil Charge (oz):  | 42         |
| Vibration mils(peak-peak): | 2.0 Avg    | 3.0 Max | Oil Recharge (oz):  | 34         |
| Record Date:               | 2015-10-13 |         | Oil Type:   | 3MA        |
|                            |            |         | Net Weight (lbs):   | 68.4       |
|                            |            |         | Internal Free Volume (in^3):  | 193.0      |
|                            |            |         | *Overall compressor height on Copeland Brand Product's specified mounting grommets. |            |

| Electrical  |                 | Capacitors                 |         |         |          |                        |
|---|-----------------|----------------------------|---------|---------|----------|------------------------|
| LRA High* (Amps):   | 114             | Type                       | Part No | Low MFD | High MFD | Volts User Description |
| LRA Low*(Amps):   |                 | No data available in table |         |         |          |                        |
| LRA Half Winding (Amps):                                    |                 |                            |         |         |          |                        |
| MCC (Amps):   | 24              |                            |         |         |          |                        |
| Max Operating Current (Amps):                               | 18.00           |                            |         |         |          |                        |
| RLA, MCC/1.4(use for contactor selection)(Amps):            | 17.1            |                            |         |         |          |                        |
| RLA, MCC/1.56(use for breaker & wire size selection)(Amps): | 15.4            |                            |         |         |          |                        |
| RPM:  | 3500            |                            |         |         |          |                        |
| Box IP :  | 21              |                            |         |         |          |                        |
| UL File No:   | SA2337-20031217 |                            |         |         |          |                        |
| UL File Date:   | 2003-12-17      |                            |         |         |          |                        |

\*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              | 200/220 | 3     | 50        | Air Conditioning |
| R-407C HFC             | 200/220 | 3     | 50        | Air Conditioning |
| R-407C HFC             | 200/230 | 3     | 60        | Air Conditioning |