

ZP54K5E-TF5

HFC, R-410A, 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 Emerson Climate Technologies Representative for international availability.

| Performance                |            |         | Mechanical  |            |
|----------------------------|------------|---------|---|------------|
| Evaporator Temp. (°F)      | 45.00      | 50      | Displacement (in^3/Rev):  | 3.12       |
| Condensing Temp. (°F)      | 130.00     | 100     | Displacement (ft^3/Hr):   |            |
| Return Gas Temp. (°F)      | 65.00      | 70      | Overall Length (in):  | 9.56       |
| Liquid Temp. (°F)          | 115.00     | 85      | Overall Width (in):   | 9.56       |
| Capacity (BTU/hr)          | 54300      | 73600   | Overall Height (in):  | 16.94      |
| Power (W):                 | 5070       | 3400    | Mounting Length (in):   | 7.50       |
| Current (Amps):            | 14.4       | 10.45   | Mounting Width (in):  | 7.50       |
| EER(BTU/Wh):               | 10.7       | 21.7    | Mounting Height (in):   | 17.17      |
| Mass Flow (lbs/hr):        | 799        | 905     | Suction Size (in),Type:   | 7 / 8 Stub |
| Sound Data @               |            |         | Discharge Size (in),Type:   | 1 / 2 Stub |
| Sound Power (dBA):         | 71 Avg     | 76 Max  | Initial Oil Charge (oz):  | 42         |
| Vibration mils(peak-peak): | 2.0 Avg    | 3.0 Max | Oil Recharge (oz):  | 36         |
| Record Date:               | 2017-03-01 |         | Oil Type:   | 3MA        |
|                            |            |         | Net Weight (lbs):   | 71.6       |
|                            |            |         | Internal Free Volume (in^3):  | 190.8      |
|                            |            |         | Horse Power:  |            |
|                            |            |         | *Overall compressor height on Copeland Brand Product's specified mounting grommets. |            |

| Electrical  |            | Capacitors                 |         |         |          |                        |
|---|------------|----------------------------|---------|---------|----------|------------------------|
| LRA High* (Amps):   | 110.0      | Type                       | Part No | Low MFD | High MFD | Volts User Description |
| LRA Low*(Amps):   |            | No data available in table |         |         |          |                        |
| LRA Half Winding (Amps):                                    |            |                            |         |         |          |                        |
| MCC (Amps):   | 24.4       |                            |         |         |          |                        |
| Max Operating Current (Amps):                               | 20.0       |                            |         |         |          |                        |
| RLA, MCC/1.4(use for contactor selection)(Amps):            | 17.4       |                            |         |         |          |                        |
| RLA, MCC/1.56(use for breaker & wire size selection)(Amps): | 15.6       |                            |         |         |          |                        |
| RPM:  | 3500       |                            |         |         |          |                        |
| Box IP :  | 21         |                            |         |         |          |                        |
| UL File No:   | SA-2337    |                            |         |         |          |                        |
| 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-410A HFC             | 200/220 | 3     | 50        | Air Conditioning |