

ZP38K5E-PFV

HFC, R-410A, 60 Hz, 1 - Phase, 208/230 V

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):                                                            | 2.18       |
| 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)          | 37500      | 51000   | Overall Height (in):                                                                | 16.94      |
| Power (W):                 | 3700       | 2400    | Mounting Length (in):                                                               | 7.50       |
| Current (Amps):            | 17         | 11.5    | Mounting Width (in):                                                                | 7.50       |
| EER(BTU/Wh):               | 10.1       | 21.2    | Mounting Height (in):                                                               | 17.17      |
| Mass Flow (lbs/hr):        | 555        | 625     | Suction Size (in),Type:                                                             | 7 / 8 Stub |
| Sound Data @ 45 / 130      |            |         | Discharge Size (in),Type:                                                           | 1 / 2 Stub |
| Sound Power (dBA):         | 68 Avg     | 73 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):                                                                   | 72.0       |
|                            |            |         | Internal Free Volume (in^3):                                                        | 187.0      |
|                            |            |         | Horse Power:                                                                        |            |
|                            |            |         | *Overall compressor height on Copeland Brand Product's specified mounting grommets. |            |

| Electrical                                                  |            | Capacitors      |             |         |          |        |                  |
|-------------------------------------------------------------|------------|-----------------|-------------|---------|----------|--------|------------------|
| LRA High* (Amps):                                           | 109.0      | Type            | Part No     | Low MFD | High MFD | Volt s | User Description |
| LRA Low*(Amps):                                             |            | Run Capacitor   | 014-0064-25 | 45.0    | 0.0      | 370    |                  |
| LRA Half Winding (Amps):                                    |            | Start Capacitor | 014-0061-27 | 88.0    | 106.0    | 330    | OPTIONAL         |
| MCC (Amps):                                                 | 31         |                 |             |         |          |        |                  |
| Max Operating Current (Amps):                               | 25.0       |                 |             |         |          |        |                  |
| RLA, MCC/1.4(use for contactor selection)(Amps):            | 22.1       |                 |             |         |          |        |                  |
| RLA, MCC/1.56(use for breaker & wire size selection)(Amps): | 19.9       |                 |             |         |          |        |                  |
| 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 |
|-------------|---------|-------|-----------|-------------|
|-------------|---------|-------|-----------|-------------|