

ZPS20K5E-PFV

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

A/C, 67% Load Of Compressor Model

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)      | 50.00      | 30      | Displacement (in <sup>3</sup> /Rev):  | .00        |
| Condensing Temp. (°F)      | 100.00     | 100     | Displacement (ft <sup>3</sup> /Hr):   | 98.4       |
| Return Gas Temp. (°F)      | 70.00      | 50      | Overall Length (in):  | 9.56       |
| Liquid Temp. (°F)          | 85.00      | 85      | Overall Width (in):   | 9.56       |
| Capacity (BTU/hr)          | 19700      | 12800   | Overall Height (in):  | 15.27      |
| Power (W):                 | 1025       | 1130    | Mounting Length (in):   | 7.50       |
| Current (Amps):            | 4.6        | 5.05    | Mounting Width (in):  | 7.50       |
| EER(BTU/Wh):               | 19.2       | 11.3    | Mounting Height (in):   | 16.03      |
| Mass Flow (lbs/hr):        | 241        | 160     | Suction Size (in),Type:   | 3 / 4 Stub |
| Sound Data @ 45 / 130      |            |         | Discharge Size (in),Type:   | 1 / 2 Stub |
| Sound Power (dBA):         | 66 Avg     | 71 Max  | Initial Oil Charge (oz):  | 25         |
| Vibration mils(peak-peak): | 2.0 Avg    | 3.0 Max | Oil Recharge (oz):  | 21         |
| Record Date:               | 2017-03-01 |         | Oil Type:   | 3MA        |
|                            |            |         | Net Weight (lbs):   | 47.3       |
|                            |            |         | Internal Free Volume (in <sup>3</sup> ):  | 131.1      |
|                            |            |         | Horse Power:  |            |
|                            |            |         | *Overall compressor height on Copeland Brand Product's specified mounting grommets. |            |

| Electrical  |            | Capacitors      |             |         |          |        |                  |
|---|------------|-----------------|-------------|---------|----------|--------|------------------|
|   |            | Type            | Part No     | Low MFD | High MFD | Volt s | User Description |
| LRA High* (Amps):   | 58.3       |                 |             |         |          |        |                  |
| LRA Low*(Amps):   |            | Run Capacitor   | 014-0064-07 | 35.0    | 0.0      | 370    |                  |
| LRA Half Winding (Amps):                                    |            |                 |             |         |          |        |                  |
| MCC (Amps):   | 18.2       | Start Capacitor | 014-0061-27 | 88.0    | 106.0    | 330    |                  |
| Max Operating Current (Amps):                               | 17.0       |                 |             |         |          |        |                  |
| RLA, MCC/1.4(use for contactor selection)(Amps):            | 13.0       |                 |             |         |          |        |                  |
| RLA, MCC/1.56(use for breaker & wire size selection)(Amps): | 11.7       |                 |             |         |          |        |                  |
| RPM:  | 3500       |                 |             |         |          |        |                  |
| Box IP :  | 21         |                 |             |         |          |        |                  |
| UL File No:   | SA-2337    |                 |             |         |          |        |                  |
| UL File Date:   | 2014-03-21 |                 |             |         |          |        |                  |

\*Low and High refer to the low and high nominal voltage ranges for

which the motor is approved.

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**Alternate Applications**

| <b>Refrigerant</b> | <b>Voltage</b> | <b>Phase</b> | <b>Frequency</b> | <b>Application</b> |
|--------------------|----------------|--------------|------------------|--------------------|
| R-410A HFC         | 208/230        | 1            | 60               | Air Conditioning   |

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