

# ZR44K5E-PFV

HFC, R-407C, 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

|                              |            |         |
|------------------------------|------------|---------|
| Evaporator Temp. (°F)        | 45         | 50      |
| Condensing Temp. (°F)        | 130        | 100     |
| Return Gas Temp. (°F)        | 65         | 70      |
| Liquid Temp. (°F)            | 115        | 85      |
| Capacity (Btu/hr)            | 42200      | 56500   |
| Power (W):                   | 4000       | 2640    |
| Current (Amps):              | 17.75      | 12.45   |
| EER (Btu/Wh):                | 10.55      | 21.40   |
| Mass Flow (lbs/hr):          | 614        | 696     |
| <u>Sound Data @ 45 / 130</u> |            |         |
| Sound Power (dBA):           | 70 Avg     | 75 Max  |
| Vibration mils(peak-peak):   | 2.0 Avg    | 3.0 Max |
| Record Date:                 | 2015-10-13 |         |

## Mechanical

|  |          |
|--|----------|
| Displacment(in <sup>3</sup> /Rev):       | 3.56     |
| Displacment(ft <sup>3</sup> /hr):        | 432.64   |
| Overall Length (in):                     | 9.69     |
| Overall Width (in):                      | 9.69     |
| Overall Height (in):                     | 16.94    |
| Mounting Length (in):                    | 7.50     |
| Mounting Width (in):                     | 7.50     |
| Mounting Height (in):                    | 17.17 *  |
| Suction Size (in),Type:                  | 7/8 Stub |
| Discharge Size (in),Type:                | 1/2 Stub |
| Initial Oil Charge (oz):                 | 42       |
| Oil Recharge (oz):                       | 34       |
| Net Weight (lbs):                        | 68.1     |
| Internal Free Volume (in <sup>3</sup> ): | 191.1    |
| Horse Power:                             |          |

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

## Electrical

|  |         |
|--|---------|
| LRA-High*(Amp):  | 137.0   |
| LRA Low* (Amp):  |         |
| LRA-Half Winding (Amp):                                    |         |
| MCC (Amps):  | 31.5    |
| Max Operating Current(Amp):                                | 29.0    |
| RLA, MCC/1.4;use for contactor selection (Amp):            | 22.5    |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp): | 20.2    |
| RPM:   | 3500    |
| UL File No:  | SA-2337 |
| UL File Date:  |         |

\*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 |
|-----------------|-------------|---------|----------|-------|------------------|
| Start Capacitor | 014-0061-27 | 88.0    | 106.0    | 330   | OPTIONAL         |
| Run Capacitor   | 014-0064-26 | 60.0    | 0.0      | 370   |                  |

## Alternate Applications

| <u>Refrigerant</u> | <u>Voltage</u> | <u>Phase</u> | <u>Freq (Hz)</u> | <u>Application</u> |
|--------------------|----------------|--------------|------------------|--------------------|
|--------------------|----------------|--------------|------------------|--------------------|