

# ZR34K3E-PFJ

HFC, R-407C, 50Hz, 1- Phase, 220/240 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

|                        |                 |                 |
|------------------------|-----------------|-----------------|
| Evap(°F)/Cond(°F)      | <u>45 / 130</u> | <u>45 / 100</u> |
| RG(°F)/SubCool(°F)     | <u>65 / 15</u>  | <u>65 / 15</u>  |
| Capacity (Btu/hr)      | 27000           | 33100           |
| Power (Watts):         | 2580            | 1700            |
| Current (Amps):        | 12.30           | 8.30            |
| EER (Btu/Wh):          | 10.40           | 19.40           |
| Mass Flow (lbs/hr):    | 393             | 411             |
| Sound Power (dBA):     | 68 Avg          | 73 Max          |
| Vibration (mils(peak-) | 2.0 Avg         | 3.0 Max         |
| Record Date:           | 2005-04-15      |                 |

## Mechanical

|   |       |                              |         |
|---|-------|------------------------------|---------|
| Number of Cylinders:  | 0     | Displ(in <sup>3</sup> /Rev): | 2.82    |
| Bore Size(in):  | 0.00  | Displ(ft <sup>3</sup> /hr):  | 283.55  |
| Stroke(in):   | 0.00  |                              |         |
| Overall Length (in):  | 9.57  | Mounting Length (in):        | 7.50    |
| Overall Width (in):   | 9.57  | Mounting Width (in):         | 7.50    |
| Overall Height (in):  | 15.73 | Mounting Height (in):        | 12.97 * |
| Suction Size (in):  |       | 3/4 Stub                     |         |
| Discharge Size (in):  |       | 1/2 Stub                     |         |
| Oil Recharge (oz):  |       | 38                           |         |
| Initial Oil Charge (oz):  |       | 42                           |         |
| Net Weight (lbs):   |       | 63                           |         |
| Internal Free Volume (in <sup>3</sup> ):  |       | 161.0                        |         |
| Horse Power:  |       | 3                            |         |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |       |                              |         |

## Electrical

|   |      |                        |      |               |             |
|---|------|------------------------|------|---------------|-------------|
| LRA-High*:  | 76.0 | MCC (Amps):            | 19.0 | UL File No:   |             |
| LRA-Half Winding:   |      | RPM:                   |      | UL File Date: | 14-Jun-1994 |
| LRA Low*:   | 70.0 | Max Operating Current: | 17.3 |               |             |
| RLA(=MCC/1.4;use for contactor selection):  |      |                        | 13.6 |               |             |
| RLA(=MCC/1.56;use for breaker & wire size)  |      |                        | 12.2 |               |             |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |      |                        |      |               |             |

## Alternate Applications

| Refrigerant | Freq (Hz) | Phase | Voltage | Application      |
|-------------|-----------|-------|---------|------------------|
| R-134a HFC  | 60        | 1     | 265     | Air Conditioning |
| R-407C HFC  | 60        | 1     | 265     | Air Conditioning |
| R-134a HFC  | 50        | 1     | 220/240 | Air Conditioning |