

# ZR48K3E-PFJ

HFC, R-407C, Dew Point, 50 Hz, 1 - Phase, 220/240 V  
Air Conditioning

## Performance

|                          |               |               |
|--------------------------|---------------|---------------|
| <u>Evap(°F)/Cond(°F)</u> | <u>45/130</u> | <u>45/100</u> |
| <u>RG(°F)/Liq(°F)</u>    | <u>65/115</u> | <u>65/85</u>  |
| Capacity (Btu/hr):       | 38900         | 47100         |
| Power (Watts):           | 3710          | 2490          |
| Current (Amps):          | 17.9          | 12.7          |
| EER (Btu/Wh):            | 10.5          | 18.9          |
| Mass Flow (lbs/hr):      | 565.0         | 585.0         |

Sound Power(dBA): 68 Ave 73 Max  
Vibration (mils(peak-peak)): 2.0 Ave 3.0 Max

Record Date: 2005-04-15

## Mechanical

|                      |     |                               |          |
|----------------------|-----|-------------------------------|----------|
| Number of Cylinders: | 0   | Displ (in <sup>3</sup> /Rev): | 3.997    |
| Bore Size (in):      | 0.0 | Displ (ft <sup>3</sup> /hr):  | 402.4739 |
| Stroke (in):         | 0.0 |                               |          |

Overall Length (in): 9.567      Mounting Length (in): 7.5  
Overall Width (in): 9.567      Mounting Width(in): 7.5  
Overall Height (in): 16.95      Mounting Height (in): 17.18\*

Suction Size (in): 7/8 Stub  
Discharge Size (in): 1/2 Stub  
Initial Oil Charge (oz): 42  
Oil Recharge (oz): 38  
Net Weight (lbs): 69.0  
Internal Free Volume (in<sup>3</sup>): 205.0  
HorsePower 4.0

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

## Electrical

|                   |       |                        |      |               |             |
|-------------------|-------|------------------------|------|---------------|-------------|
| LRA-High*:        | 114.0 | MCC (Amps):            | 27.0 | UL File No.:  |             |
| LRA-Half Winding: |       | RPM:                   | 2900 | UL File Date: | 14-Jun-1994 |
| LRA-Low*:         | 105.0 | Max Operating Current: | 23.5 | CSA File No.: |             |

RLA(=MCC/1.4; use for contactor selection): 19.3

RLA ( =MCC/1.56; use for breaker & wire size selection): 17.3

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

## Alternate Applications

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