

# ZW34KAE-TFP

HFC, R-407C, 50Hz, 3- Phase, 380 V  
High Temperature, Low Condensing



**Production Status:** Preliminary data only - Contact your Emerson Climate Technologies Representative.

## Performance

|  |                 |                 |
|--|-----------------|-----------------|
| Evap(°F)/Cond(°F)                                | <u>45 / 130</u> | <u>20 / 120</u> |
| RG(°F)/Liq(°F)                                   | <u>65 / 130</u> | <u>65 / 120</u> |
| Capacity (Btu/hr)                                | 35500           | 24600           |
| Power (Watts):                                   | 2600            | 2190            |
| Current (Amps):                                  | 4.50            | 4.20            |
| EER (Btu/Wh):                                    | 13.70           | 11.30           |
| Mass Flow (lbs/hr):                              | 392             | 252             |
| Sound Power (dBA):                               | 68 Avg          | 73 Max          |
| Vibration (mils(peak-<br>Record Date: 2011-11-01 | 2.0 Avg         | 3.0 Max         |

## 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):  | 8.60  | Mounting Length (in):        | 5.20    |
| Overall Width (in):   | 7.80  | Mounting Width (in):         | 6.00    |
| Overall Height (in):  | 15.33 | Mounting Height (in):        | 16.08 * |
| Suction Size (in):  |       | 3/4 Stub                     |         |
| Discharge Size (in):  |       | 1/2 Stub                     |         |
| Oil Recharge (oz):  |       | 21                           |         |
| Initial Oil Charge (oz):  |       | 25                           |         |
| Net Weight (lbs):   |       | 49                           |         |
| Internal Free Volume (in <sup>3</sup> ):  |       |                              |         |
| Horse Power:  |       |                              |         |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |       |                              |         |

## Electrical

|   |      |                        |     |               |
|---|------|------------------------|-----|---------------|
| LRA-High*:  | 31.6 | MCC (Amps):            | 9.3 | UL File No:   |
| LRA-Half Winding:   |      | RPM:                   | 0   | UL File Date: |
| LRA Low*:   |      | Max Operating Current: | 7.1 |               |
| RLA(=MCC/1.4;use for contactor selection):  |      | 6.6                    |     |               |
| RLA(=MCC/1.56;use for breaker & wire size)  |      | 6                      |     |               |
| *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-407C HFC  | 50        | 3     | 380     | Heat Pump, Expanded |