

# ZW72KWP-TFD

HFC, R-410A, 50Hz, 3- Phase, 380/420 V  
Heat Pump, Expanded



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

## Performance

|  |                 |                 |
|--|-----------------|-----------------|
| Evap(°F)/Cond(°F)                                | <u>45 / 130</u> | <u>28 / 104</u> |
| RG(°F)/Liq(°F)                                   | <u>65 / 115</u> | <u>48 / 89</u>  |
| Capacity (Btu/hr)                                | 78000           | 64500           |
| Power (Watts):                                   | 5700            | 4040            |
| Current (Amps):                                  | 9.80            | 7.50            |
| EER (Btu/Wh):                                    | 13.70           | 16.00           |
| Mass Flow (lbs/hr):                              | 860             | 650             |
| Sound Power (dBA):                               | 72 Avg          | 77 Max          |
| Vibration (mils(peak-<br>Record Date: 2013-04-25 | 2.0 Avg         | 3.0 Max         |

## Mechanical

|   |       |                              |         |
|---|-------|------------------------------|---------|
| Number of Cylinders:  | 0     | Displ(in <sup>3</sup> /Rev): | 4.10    |
| Bore Size(in):  | 0.00  | Displ(ft <sup>3</sup> /hr):  | 412.44  |
| Stroke(in):   | 0.00  |                              |         |
| Overall Length (in):  | 9.69  | Mounting Length (in):        | 7.50    |
| Overall Width (in):   | 9.69  | Mounting Width (in):         | 7.50    |
| Overall Height (in):  | 17.91 | Mounting Height (in):        | 18.16 * |
| Suction Size (in):  |       | 7/8 Stub                     |         |
| Discharge Size (in):  |       | 1/2 Stub                     |         |
| Oil Recharge (oz):  |       | 56                           |         |
| Initial Oil Charge (oz):  |       | 60                           |         |
| Net Weight (lbs):   |       | 88                           |         |
| Internal Free Volume (in <sup>3</sup> ):  |       |                              |         |
| Horse Power:  |       |                              |         |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |       |                              |         |

## Electrical

|   |      |                        |      |               |
|---|------|------------------------|------|---------------|
| LRA-High*:  | 75.0 | MCC (Amps):            | 17.5 | UL File No:   |
| LRA-Half Winding:   |      | RPM:                   | 0    | UL File Date: |
| LRA Low*:   | 68.0 | Max Operating Current: | 16.0 |               |
| RLA(=MCC/1.4;use for contactor selection):  |      | 12.5                   |      |               |
| RLA(=MCC/1.56;use for breaker & wire size   |      | 11.2                   |      |               |
| *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-410A HFC  | 50        | 3     | 380/420 | Air Conditioning    |
| R-410A HFC  | 60        | 3     | 460     | Air Conditioning    |
| R-410A HFC  | 60        | 3     | 460     | Heat Pump, Expanded |