

# ZB45KCE-TFD

HCFC, R-22, 60 Hz, 3 -Phase, 460 V  
High Temp



**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         | 20      |
| Condensing Temp. (°F)      | 130        | 120     |
| Return Gas Temp. (°F)      | 65         | 65      |
| Liquid Temp. (°F)          | 130        | 120     |
| Capacity (Btu/hr)          | 68500      | 44000   |
| Power (W):                 | 6250       | 5400    |
| Current (Amps):            | 9.20       | 8.10    |
| EER (Btu/Wh):              | 10.90      | 8.10    |
| Mass Flow (lbs/hr):        | 1080       | 645     |
| <u>Sound Data @</u>        |            |         |
| Sound Power (dBA):         | 79 Avg     | 84 Max  |
| Vibration mils(peak-peak): | 2.0 Avg    | 3.0 Max |
| Record Date:               | 2009-10-14 |         |

## Mechanical

|   |          |
|---|----------|
| Displacment(in <sup>3</sup> /Rev):  | 5.98     |
| Displacment(ft <sup>3</sup> /hr):   | 727.10   |
| Overall Length (in):  | 9.67     |
| Overall Width (in):   | 10.12    |
| Overall Height (in):  | 17.23    |
| Mounting Length (in):   | 7.50     |
| Mounting Width (in):  | 7.50     |
| Mounting Height (in):   | 17.98 *  |
| Suction Size (in),Type:   | 7/8 Stub |
| Discharge Size (in),Type:   | 1/2 Stub |
| Initial Oil Charge (oz):  | 64       |
| Oil Recharge (oz):  | 60       |
| Net Weight (lbs):   | 87.0     |
| Internal Free Volume (in <sup>3</sup> ):  | 362.0    |
| Horse Power:  | 6.00     |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |          |

## Electrical

|   |            |
|---|------------|
| LRA-High*(Amp):   | 75.0       |
| LRA Low* (Amp):   |            |
| LRA-Half Winding (Amp):   |            |
| MCC (Amps):   | 16.1       |
| Max Operating Current(Amp):   | 13.1       |
| RLA, MCC/1.4;use for contactor selection (Amp):   | 11.5       |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp):                                      | 10.3       |
| RPM:  | 3500       |
| UL File No:   |            |
| UL File Date:   | 1994-06-15 |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |            |

## Capacitors

## Alternate Applications

| Refrigerant | Voltage | Phase | Freq (Hz) | Application        |
|-------------|---------|-------|-----------|--------------------|
| R-134a HFC  | 460     | 3     | 60        | High Temp          |
| R-134a HFC  | 380/420 | 3     | 50        | High Temp          |
| R-404A HFC  | 460     | 3     | 60        | Medium Temperature |
| R-404A HFC  | 380/420 | 3     | 50        | Medium Temperature |
| R-507 HFC   | 460     | 3     | 60        | Medium Temperature |
| R-507 HFC   | 380/420 | 3     | 50        | Medium Temperature |
| R-22 HCFC   | 380/420 | 3     | 50        | High Temp          |
| R-407C HFC  | 460     | 3     | 60        | High Temp          |
| R-407C HFC  | 460     | 3     | 60        | Medium Temperature |
| R-407C HFC  | 380/420 | 3     | 50        | High Temp          |

## Alternate Applications

| <u>Refrigerant</u> | <u>Voltage</u> | <u>Phase</u> | <u>Freq (Hz)</u> | <u>Application</u> |
|--------------------|----------------|--------------|------------------|--------------------|
| R-407C HFC         | 380/420        | 3            | 50               | Medium Temperature |
| R-407A HFC         | 460            | 3            | 60               | Medium Temperature |
| R-407A HFC         | 380/420        | 3            | 50               | Medium Temperature |
| R-407F HFC         | 460            | 3            | 60               | Medium Temperature |
| R-407F HFC         | 380/420        | 3            | 50               | Medium Temperature |
| R-448A HFO         | 460            | 3            | 60               | Medium Temperature |
| R-448A HFO         | 380/420        | 3            | 50               | Medium Temperature |
| R-449A HFO         | 460            | 3            | 60               | Medium Temperature |
| R-449A HFO         | 380/420        | 3            | 50               | Medium Temperature |