

# 3DB3F33KE-TFC

HCFC, R-22, 60 Hz, 3 -Phase, 208/230 V

Low Temperature



**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)      | -25        | -40     |
| Condensing Temp. (°F)      | 105        | 105     |
| Return Gas Temp. (°F)      | 65         | 65      |
| Liquid Temp. (°F)          | 105        | 105     |
| Capacity (Btu/hr)          | 29000      | 16800   |
| Power (W):                 | 5550       | 4270    |
| Current (Amps):            | 18.85      | 16.20   |
| EER (Btu/Wh):              | 5.20       | 3.90    |
| Mass Flow (lbs/hr):        | 387        | 223     |
| <u>Sound Data @</u>        |            |         |
| Sound Power (dBA):         | 0 Avg      | 0 Max   |
| Vibration mils(peak-peak): | 0.0 Avg    | 4.8 Max |
| Record Date:               | 2007-06-08 |         |

## Electrical

|                                                                                                 |            |
|-------------------------------------------------------------------------------------------------|------------|
| LRA-High*(Amp):                                                                                 | 161.0      |
| LRA Low* (Amp):                                                                                 |            |
| LRA-Half Winding (Amp):                                                                         |            |
| MCC (Amps):                                                                                     | 41.5       |
| Max Operating Current(Amp):                                                                     |            |
| RLA, MCC/1.4;use for contactor selection (Amp):                                                 | 29.6       |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp):                                      | 26.6       |
| RPM:                                                                                            |            |
| UL File No:                                                                                     | SA-2337    |
| UL File Date:                                                                                   | 1985-07-26 |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |            |

## Mechanical

|                                                                                     |             |
|-------------------------------------------------------------------------------------|-------------|
| Displacment(in^3/Rev):                                                              | 26.58       |
| Displacment(ft^3/hr):                                                               | 1615.11     |
| Overall Length (in):                                                                | 25.86       |
| Overall Width (in):                                                                 | 14.92       |
| Overall Height (in):                                                                | 19.13       |
| Mounting Length (in):                                                               | 15.00       |
| Mounting Width (in):                                                                | 12.00       |
| Mounting Height (in):                                                               | 21.09 *     |
| Suction Size (in),Type:                                                             | 1 3/8 Sweat |
| Discharge Size (in),Type:                                                           | 1 1/8 Sweat |
| Initial Oil Charge (oz):                                                            | 125         |
| Oil Recharge (oz):                                                                  | 115         |
| Net Weight (lbs):                                                                   | 385.0       |
| Internal Free Volume (in^3):                                                        |             |
| Horse Power:                                                                        | 5.50        |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |             |

## Capacitors

## Alternate Applications

| Refrigerant | Voltage | Phase | Freq (Hz) | Application              |
|-------------|---------|-------|-----------|--------------------------|
| R-134a HFC  | 208/230 | 3     | 60        | High Temp                |
| R-134a HFC  | 200/220 | 3     | 50        | High Temp                |
| R-404A HFC  | 208/230 | 3     | 60        | Low Temp, Low Condensing |
| R-404A HFC  | 200/220 | 3     | 50        | Low Temp, Low Condensing |
| R-507 HFC   | 208/230 | 3     | 60        | Low Temp, Low Condensing |
| R-507 HFC   | 200/220 | 3     | 50        | Low Temp, Low Condensing |
| R-22 HCFC   | 200/220 | 3     | 50        | Low Temperature          |
| R-407C HFC  | 208/230 | 3     | 60        | Low Temp, Low Condensing |
| R-407C HFC  | 208/230 | 3     | 60        | Low Temp, Low Condensing |
| R-407A HFC  | 208/230 | 3     | 60        | Low Temp, Low Condensing |

## Alternate Applications

| <u>Refrigerant</u> | <u>Voltage</u> | <u>Phase</u> | <u>Freq (Hz)</u> | <u>Application</u>       |
|--------------------|----------------|--------------|------------------|--------------------------|
| R-407A HFC         | 200/220        | 3            | 50               | Low Temp, Low Condensing |
| R-407F HFC         | 200/220        | 3            | 50               | Low Temp, Low Condensing |
| R-407F HFC         | 208/230        | 3            | 60               | Low Temp, Low Condensing |
| R-448A HFO         | 200/220        | 3            | 50               | Low Temp, Low Condensing |
| R-448A HFO         | 208/230        | 3            | 60               | Low Temp, Low Condensing |
| R-449A HFO         | 200/220        | 3            | 50               | Low Temp, Low Condensing |
| R-449A HFO         | 208/230        | 3            | 60               | Low Temp, Low Condensing |