

ZB58KCE-TFD

HFC, R-404A, 60Hz, 3- Phase, 460 V

Medium Temperature



Production Status: Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

| | | |
|------------------------------|--------------|--------------|
| Evap(°F)/Cond(°F) | 20 / 120 | 45 / 130 |
| RG(°F)/Liq(°F) | 65.0 / 120.0 | 65.0 / 130.0 |
| Capacity (Btu/hr) | 57700 | 83700 |
| Power (Watts): | 8380 | 9480 |
| Current (Amps): | 12.90 | 14.20 |
| EER (Btu/Wh): | 6.80 | 8.80 |
| Mass Flow (lbs/hr): | 1215 | 2060 |
| Sound Power (dBA): | 82 Avg | 87 Max |
| Vibration (mils(peak-peak)): | 3.0 Avg | 4.0 Max |
| Record Date: | 2007-09-13 | |

Mechanical

| | | | |
|---|------------|-----------------------|---------|
| Number of Cylinders: | 0 | Displ(in^3/Rev): | 7.76 |
| Bore Size(in): | 0.00 | Displ(ft^3/hr): | 942.69 |
| Stroke(in): | 0.00 | | |
| Overall Length (in): | 10.38 | Mounting Length (in): | 7.50 |
| Overall Width (in): | 11.19 | Mounting Width (in): | 7.50 |
| Overall Height (in): | 18.80 | Mounting Height (in): | 19.57 * |
| Suction Size (in): | 1 1/8 Stub | | |
| Discharge Size (in): | 7/8 Stub | | |
| Oil Recharge (oz): | 81 | | |
| Initial Oil Charge (oz): | 85 | | |
| Net Weight (lbs): | 126 | | |
| Internal Free Volume (in^3): | 639.0 | | |
| Horse Power: | 8 | | |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | | | |

Electrical

| | | | | | |
|---|------|------------------------|------|---------------|-------------|
| LRA-High*: | 95.0 | MCC (Amps): | 23.0 | UL File No: | |
| LRA-Half Winding: | | RPM: | 3500 | UL File Date: | 27-Sep-1996 |
| LRA Low*: | | Max Operating Current: | 15.4 | | |
| RLA(=MCC/1.4;use for contactor selection): | 16.4 | | | | |
| RLA(=MCC/1.56;use for breaker & wire size selection): | 14.7 | | | | |
| *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-22 HCFC | 60 | 3 | 460 | High Temp |
| R-134a HFC | 60 | 3 | 460 | High Temp |
| R-507 HFC | 60 | 3 | 460 | Medium Temperature |
| R-407C HFC | 60 | 3 | 460 | High Temp |
| R-407F HFC | 60 | 3 | 460 | |
| R-448A HFO | 60 | 3 | 460 | |
| R-449A HFO | 60 | 3 | 460 | |
| R-22 HCFC | 50 | 3 | 380/420 | High Temp |
| R-134a HFC | 50 | 3 | 380/420 | High Temp |
| R-404A HFC | 50 | 3 | 380/420 | Medium Temperature |

Alternate Applications

| <u>Refrigerant</u> | <u>Freq (Hz)</u> | <u>Phase</u> | <u>Voltage</u> | <u>Application</u> |
|--------------------|------------------|--------------|----------------|--------------------|
| R-507 HFC | 50 | 3 | 380/420 | Medium Temperature |
| R-407C HFC | 50 | 3 | 380/420 | High Temp |
| R-407F HFC | 50 | 3 | 380/420 | |
| R-448A HFO | 50 | 3 | 380/420 | |
| R-449A HFO | 50 | 3 | 380/420 | |