

ZB48KQE-TFD

HFC, R-404A, 50Hz, 3- Phase, 380/420 V
Medium Temperature



Production Status: China Use Only

Performance

| | | |
|--|--------------------|--------------------|
| Evap(°C)/Cond(°C) | <u>-6.7 / 48.9</u> | <u>7.2 / 54.4</u> |
| RG(°C)/Liq(°C) | <u>18.3 / 48.9</u> | <u>18.3 / 21.1</u> |
| Capacity (Watts) | 11600 | 16700 |
| Power (Watts): | 5710 | 6370 |
| Current (Amps): | 10.10 | 11.00 |
| EER (COP): | 2.02 | 2.61 |
| Mass Flow (g/s): | 106 | 176 |
| Sound Power (dBA): | 9 Avg | 9 Max |
| Vibration (mm(peak- Vibration (mm(peak- Record Date: | 0.051 Avg | 0.076 Max |
| | 2009-02-18 | |

Mechanical

| | | | |
|---|-------|---------------------------------|---------|
| Number of Cylinders: | 0 | Displ(cm ³ /Rev): | 106.00 |
| Bore Size(mm): | 0.00 | Displ(meters ³ /hr): | 18.75 |
| Stroke(mm): | 0.00 | | |
| Overall Length | 240.7 | Mounting Length (mm): | 190.50 |
| Overall Width | 246.6 | Mounting Width (mm): | 190.50 |
| Overall Height | 456.0 | Mounting Height (mm): | 462.4 * |
| Suction Size (mm): | | 7/8 Stub | |
| Discharge Size (mm): | | 3/4 Stub | |
| Oil Recharge (liter): | | 2 | |
| Initial Oil Charge (liter): | | 2 | |
| Net Weight (kg): | | 39.01 | |
| Internal Free Volume (cm ³): | | 4.128 | |
| Horse Power: | | | |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | | | |

Electrical

| | | | | | |
|---|-------|------------------------|------|---------------|-------------|
| LRA-High*: | 101.0 | MCC (Amps): | 19.1 | UL File No: | |
| LRA-Half Winding: | | RPM: | | UL File Date: | 15-Jun-1994 |
| LRA Low*: | 90.5 | Max Operating Current: | 14.0 | | |
| RLA(=MCC/1.4;use for contactor selection): | | | 13.6 | | |
| RLA(=MCC/1.56;use for breaker & wire size | | | 12.2 | | |
| *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-404A HFC | 60 | 3 | 460 | Medium Temperature |
| R-507 HFC | 60 | 3 | 460 | |
| R-507 HFC | 50 | 3 | 380/420 | |