# ZR144KC-TF5

HCFC, R-22, 60Hz, 3- Phase, 200/230 V
Air Conditioning

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) | 45 / 130 | 45 / 100 |
|---|---|---|
| RG(°F)/Liq(°F) | 65 / 115 | 65 / 85 |
| Capacity (Btu/hr) | 146000 | 172000 |
| Power (Watts): | 12300 | 9050 |
| Current (Amps): | 38.30 | 30.90 |
| EER (Btu/Wh): | 11.80 | 19.00 |
| Mass Flow (lbs/hr): | 2130 | 2220 |
| Sound Power (dBA): | 80 Avg | 85 Max |
| Vibration (mils(peak- | 3.5 Avg | 4.5 Max |
| Record Date: | 2005-09-09 | |

## Mechanical

| | | | |
|---|---|---|---|
| Number of Cylinders: | 0 | Displ(in^3/Rev): | 11.65 |
| Bore Size(in): | 0.00 | Displ(ft^3/hr): | 1415.19 |
| Stroke(in): | 0.00 | | |
| Overall Length (in): | 10.38 | Mounting Length (in): | 7.50 |
| Overall Width (in): | 11.23 | Mounting Width (in): | 7.50 |
| Overall Height (in): | 21.00 | Mounting Height (in): | 21.75 * |

| | |
|---|---|
| Suction Size (in): | 1 3/8 Stub |
| Discharge Size (in): | 7/8 Stub |
| Oil Recharge (oz): | 106 |
| Initial Oil Charge (oz): | 110 |
| Net Weight (lbs): | 135 |
| Internal Free Volume (in^3): | 809.0 |
| Horse Power: | |

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

## Electrical

| | | | | | |
|---|---|---|---|---|---|
| LRA-High*: | 245.0 | MCC (Amps): | 66.0 | UL File No: | SA-2337 |
| LRA-Half Winding: | | RPM: | | UL File Date: | 27-Sep-1996 |
| LRA Low*: | | Max Operating Current: | 44.6 | | |
| RLA(=MCC/1.4;use for contactor selection): | | 47.1 | | | |
| RLA(=MCC/1.56;use for breaker & wire size | | 42.3 | | | |

*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 | 50 | 3 | 200/220 | Air Conditioning |



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