

# ZR11M3-TWD



HCFC, R-22, Mid Point, 50 Hz, 3 - Phase, 380/420 V

Air Conditioning

Production Status: Service Replacement Model

## Performance

|                              |            |         |
|------------------------------|------------|---------|
| Evap(°F)/Cond(°F)            | 45/130     | 45/100  |
| RG(°F)/Liq(°F)               | 65/115     | 65/85   |
| Capacity (Btu/hr):           | 89500      | 106000  |
| Power (Watts):               | 7950       | 5600    |
| Current (Amps):              | 14.4       | 11.7    |
| EER (Btu/Wh):                | 11.3       | 18.9    |
| Mass Flow (lbs/hr):          | 1310.0     | 1360.0  |
| Sound Power(dBA):            | 78 Ave     | 83 Max  |
| Vibration (mils(peak-peak)): | 2.5 Ave    | 3.5 Max |
| Record Date:                 | 2007-12-04 |         |

## Mechanical

|  |            |                               |          |
|--|------------|-------------------------------|----------|
| Number of Cylinders:   | 0          | Displ (in <sup>3</sup> /Rev): | 8.79     |
| Bore Size (in):  | 0.0        | Displ (ft <sup>3</sup> /hr):  | 885.1002 |
| Stroke (in):   | 0.0        |                               |          |
| Overall Length (in):   | 12.57      | Mounting Length (in):         | 8.65     |
| Overall Width (in):  | 14.06      | Mounting Width(in):           | 8.65     |
| Overall Height (in):   | 21.17      | Mounting Height (in):         | 21.4*    |
| Suction Size (in):   | 1 3/8 Stub |                               |          |
| Discharge Size (in):   | 7/8 Stub   |                               |          |
| Initial Oil Charge (oz):   | 140        |                               |          |
| Oil Recharge (oz):   | 137        |                               |          |
| Net Weight (lbs):  | 212.0      |                               |          |
| Internal Free Volume (in <sup>3</sup> ):   | 1037.0     |                               |          |
| HorsePower   | 9.0        |                               |          |
| * Overall compressor height on Copeland Brand Product's specified mounting grommets. |            |                               |          |

## Electrical

|   |      |                        |      |               |             |
|---|------|------------------------|------|---------------|-------------|
| LRA-High*:  | 123  | MCC (Amps):            | 23.8 | UL File No.:  | SA9747      |
| LRA-Half Winding:   |      | RPM:                   | 2900 | UL File Date: | 12-Jul-1994 |
| LRA-Low*:   | 110  | Max Operating Current: | 17.9 | CSA File No.: | LR101508    |
| RLA(=MCC/1.4; use for contactor selection):   | 17   |                        |      |               |             |
| RLA (=MCC/1.56; use for breaker & wire size selection):   | 15.3 |                        |      |               |             |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |      |                        |      |               |             |

## Alternate Applications

| Refrigerant | Frequency(Hz) | Phase | Voltage | Application      |
|-------------|---------------|-------|---------|------------------|
| R-22 HCFC   | 60            | 3     | 460     | Air Conditioning |