

## 6DY3R32ME-TSK

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

Air Conditioning



**Production Status:** This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Emerson Climate Technologies Wholesaler. Please check with your local Emerson Climate Technologies Representative for international availability.

### Performance

|                            |            |         |
|----------------------------|------------|---------|
| Evaporator Temp. (°F)      | 45         | 35      |
| Condensing Temp. (°F)      | 130        | 105     |
| Return Gas Temp. (°F)      | 65         | 55      |
| Liquid Temp. (°F)          | 115        | 90      |
| Capacity (Btu/hr)          | 356000     | 341000  |
| Power (W):                 | 31600      | 24300   |
| Current (Amps):            | 48.15      | 39.60   |
| EER (Btu/Wh):              | 11.30      | 14.00   |
| Mass Flow (lbs/hr):        | 5200       | 4540    |
| <u>Sound Data @</u>        |            |         |
| Sound Power (dBA):         | 0 Avg      | 0 Max   |
| Vibration mils(peak-peak): | 0.0 Avg    | 3.2 Max |
| Record Date:               | 2007-06-12 |         |

### Electrical

|                                                                                                 |            |
|-------------------------------------------------------------------------------------------------|------------|
| LRA-High*(Amp):                                                                                 | 565.0      |
| LRA Low* (Amp):                                                                                 |            |
| LRA-Half Winding (Amp):                                                                         | 340.0      |
| MCC (Amps):                                                                                     | 147.0      |
| Max Operating Current(Amp):                                                                     |            |
| RLA, MCC/1.4;use for contactor selection (Amp):                                                 | 105.0      |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp):                                      | 94.2       |
| RPM:                                                                                            |            |
| UL File No:                                                                                     | SA-2337    |
| UL File Date:                                                                                   | 1971-04-07 |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |            |

### Mechanical

|                                                                                     |             |
|-------------------------------------------------------------------------------------|-------------|
| Displacment(in^3/Rev):                                                              | 68.10       |
| Displacment(ft^3/hr):                                                               | 4137.74     |
| Overall Length (in):                                                                | 29.44       |
| Overall Width (in):                                                                 | 22.44       |
| Overall Height (in):                                                                | 20.34       |
| Mounting Length (in):                                                               | 15.00       |
| Mounting Width (in):                                                                | 12.00       |
| Mounting Height (in):                                                               | 21.53 *     |
| Suction Size (in),Type:                                                             | 2 1/8 Sweat |
| Discharge Size (in),Type:                                                           | 1 5/8       |
| Initial Oil Charge (oz):                                                            | 140         |
| Oil Recharge (oz):                                                                  | 130         |
| Net Weight (lbs):                                                                   | 550.0       |
| Internal Free Volume (in^3):                                                        |             |
| Horse Power:                                                                        | 25.00       |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |             |

### Capacitors

### Alternate Applications

| Refrigerant | Voltage | Phase | Freq (Hz) | Application      |
|-------------|---------|-------|-----------|------------------|
| R-404A HFC  | 460     | 3     | 60        | Air Conditioning |
| R-404A HFC  | 208/230 | 3     | 60        | Air Conditioning |
| R-404A HFC  | 200     | 3     | 50        | Air Conditioning |
| R-404A HFC  | 380/400 | 3     | 50        | Air Conditioning |
| R-507 HFC   | 460     | 3     | 60        | Air Conditioning |
| R-507 HFC   | 208/230 | 3     | 60        | Air Conditioning |
| R-507 HFC   | 200     | 3     | 50        | Air Conditioning |
| R-507 HFC   | 380/400 | 3     | 50        | Air Conditioning |
| R-22 HCFC   | 460     | 3     | 60        | Air Conditioning |
| R-22 HCFC   | 460     | 3     | 60        | UL Medium Temp   |

## Alternate Applications

| <u>Refrigerant</u> | <u>Voltage</u> | <u>Phase</u> | <u>Freq (Hz)</u> | <u>Application</u>          |
|--------------------|----------------|--------------|------------------|-----------------------------|
| R-22 HCFC          | 200            | 3            | 50               | Medium Temp, Low Condensing |
| R-22 HCFC          | 200            | 3            | 50               | Medium Temp, Low Condensing |
| R-22 HCFC          | 460            | 3            | 60               | UL Medium Temp              |
| R-22 HCFC          | 208/230        | 3            | 60               | Medium Temp, Low Condensing |
| R-22 HCFC          | 200            | 3            | 50               | Medium Temp, Low Condensing |
| R-22 HCFC          | 200            | 3            | 50               | Medium Temp, Low Condensing |
| R-22 HCFC          | 460            | 3            | 60               | Medium Temp, Low Condensing |
| R-22 HCFC          | 380/400        | 3            | 50               | Air Conditioning            |
| R-22 HCFC          | 200            | 3            | 50               | UL Medium Temp              |
| R-22 HCFC          | 460            | 3            | 60               | Medium Temp, Low Condensing |
| R-22 HCFC          | 460            | 3            | 60               | Medium Temp, Low Condensing |
| R-22 HCFC          | 200            | 3            | 50               | Air Conditioning            |
| R-22 HCFC          | 200            | 3            | 50               | UL Medium Temp              |
| R-407C HFC         | 200            | 3            | 50               | UL High Temp                |
| R-407C HFC         | 200            | 3            | 50               | UL Medium Temp              |
| R-407C HFC         | 200            | 3            | 50               | Medium Temp, Low Condensing |
| R-407C HFC         | 200            | 3            | 50               | Medium Temp, Low Condensing |
| R-407C HFC         | 208/230        | 3            | 60               | Medium Temp, Low Condensing |
| R-407C HFC         | 460            | 3            | 60               | Air Conditioning            |
| R-407C HFC         | 200            | 3            | 50               | Air Conditioning            |
| R-407C HFC         | 460            | 3            | 60               | Medium Temp, Low Condensing |
| R-407C HFC         | 208/230        | 3            | 60               | Medium Temp, Low Condensing |
| R-407C HFC         | 208/230        | 3            | 60               | Medium Temp, Low Condensing |
| R-407C HFC         | 200            | 3            | 50               | Air Conditioning            |
| R-407C HFC         | 200            | 3            | 50               | Medium Temp, Low Condensing |
| R-407C HFC         | 200            | 3            | 50               | Medium Temp, Low Condensing |
| R-407C HFC         | 200            | 3            | 50               | UL High Temp                |
| R-407C HFC         | 200            | 3            | 50               | UL Medium Temp              |
| R-407C HFC         | 200            | 3            | 50               | Air Conditioning            |
| R-407C HFC         | 208/230        | 3            | 60               | UL Medium Temp              |
| R-407C HFC         | 208/230        | 3            | 60               | Air Conditioning            |
| R-407C HFC         | 208/230        | 3            | 60               | UL Medium Temp              |
| R-407C HFC         | 208/230        | 3            | 60               | Air Conditioning            |
| R-407C HFC         | 208/230        | 3            | 60               | Air Conditioning            |
| R-407C HFC         | 200            | 3            | 50               | Air Conditioning            |
| R-407A HFC         | 380/400        | 3            | 50               | Medium Temp, Low Condensing |
| R-407A HFC         | 200            | 3            | 50               | Medium Temp, Low Condensing |
| R-407A HFC         | 380/400        | 3            | 50               | UL High Temp                |
| R-407A HFC         | 380/400        | 3            | 50               | UL Medium Temp              |
| R-407A HFC         | 380/400        | 3            | 50               | Medium Temp, Low Condensing |
| R-407A HFC         | 200            | 3            | 50               | Medium Temp, Low Condensing |
| R-407A HFC         | 380/400        | 3            | 50               | Air Conditioning            |
| R-407A HFC         | 380/400        | 3            | 50               | Air Conditioning            |

## Alternate Applications

| <u>Refrigerant</u> | <u>Voltage</u> | <u>Phase</u> | <u>Freq (Hz)</u> | <u>Application</u>          |
|--------------------|----------------|--------------|------------------|-----------------------------|
| R-407A HFC         | 460            | 3            | 60               | Medium Temp, Low Condensing |
| R-407A HFC         | 208/230        | 3            | 60               | Medium Temp, Low Condensing |
| R-407A HFC         | 460            | 3            | 60               | Medium Temp, Low Condensing |
| R-407A HFC         | 208/230        | 3            | 60               | Medium Temp, Low Condensing |
| R-407A HFC         | 208/230        | 3            | 60               | Air Conditioning            |
| R-407A HFC         | 460            | 3            | 60               | Air Conditioning            |
| R-407A HFC         | 208/230        | 3            | 60               | Air Conditioning            |
| R-407A HFC         | 460            | 3            | 60               | Air Conditioning            |
| R-407A HFC         | 380/400        | 3            | 50               | UL High Temp                |
| R-407A HFC         | 380/400        | 3            | 50               | UL Medium Temp              |
| R-407A HFC         | 460            | 3            | 60               | UL High Temp                |
| R-407A HFC         | 208/230        | 3            | 60               | UL Medium Temp              |
| R-407A HFC         | 460            | 3            | 60               | UL High Temp                |
| R-407A HFC         | 208/230        | 3            | 60               | UL Medium Temp              |
| R-407A HFC         | 380/400        | 3            | 50               | Air Conditioning            |
| R-407A HFC         | 380/400        | 3            | 50               | Air Conditioning            |