

## 3DF3R15ME-TFC

HFC, R-407C, 60 Hz, 3- Phase, 208/230 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

|                          |                     |                    |
|--------------------------|---------------------|--------------------|
| <u>Evap(°F)/Cond(°F)</u> | <u>45 / 130</u>     | <u>35 / 105</u>    |
| <u>RG(°F)/Liq(°F)</u>    | <u>65.0 / 115.0</u> | <u>55.0 / 90.0</u> |
| Capacity (Btu/hr)        | 163000              | 159500             |
| Power (W):               | 15150               | 11600              |
| Current (Amps):          | 44.90               | 36.70              |
| EER (Btu/Wh):            | 10.75               | 13.75              |
| Mass Flow (lbs/hr):      | 2370                | 2060               |
| Sound Power (dBA):       | 0 Avg               | 0 Max              |
| Vibration mils(peak-     | 0.0 Avg             | 4.82 Max           |
| Record Date:             | 2010-11-23          |                    |

### Mechanical

|                                                                                     |             |                         |         |
|-------------------------------------------------------------------------------------|-------------|-------------------------|---------|
| Number of Cylinders:                                                                | 3           | Displacement(in^3/Rev): | 31.49   |
| Bore Size(in):                                                                      | 2.31        | Displacement(ft^3/hr):  | 1913.20 |
| Stroke(in):                                                                         | 2.50        |                         |         |
| Overall Length (in):                                                                | 26.78       | Mounting Length (in):   | 15.00   |
| Overall Width (in):                                                                 | 15.06       | Mounting Width (in):    | 12.00   |
| Overall Height (in):                                                                | 18.03       | Mounting Height (in):   | 19.06 * |
| Suction Size (in),Type:                                                             | 1 3/8 Sweat |                         |         |
| Discharge Size (in),Type:                                                           | 1 1/8 Sweat |                         |         |
| Oil Recharge (oz):                                                                  | 115         |                         |         |
| Initial Oil Charge (oz):                                                            | 125         |                         |         |
| Net Weight (lbs):                                                                   | 385         |                         |         |
| Internal Free Volume (in^3):                                                        |             |                         |         |
| Horse Power:                                                                        | 12.5        |                         |         |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |             |                         |         |

### Electrical

|                                                                                                 |       |                       |      |               |         |
|-------------------------------------------------------------------------------------------------|-------|-----------------------|------|---------------|---------|
| LRA-High*(Amp):                                                                                 | 275.0 | MCC (Amps):           | 67.4 | UL File No:   | SA-2337 |
| LRA-Half Winding                                                                                |       | RPM:                  |      | UL File Date: |         |
| LRA Low* (Amp):                                                                                 |       | Max Operating Current |      |               |         |
| RLA, MCC/1.4;use for contactor selection (Amp):                                                 |       | 48.1                  |      |               |         |
| RLA, MCC/1.56;use for breaker & wire size selection                                             |       | 43.2                  |      |               |         |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |       |                       |      |               |         |

### Alternate Applications

| <u>Refrigerant</u> | <u>Freq (Hz)</u> | <u>Phase</u> | <u>Voltage</u> | <u>Application</u>          |
|--------------------|------------------|--------------|----------------|-----------------------------|
| R-404A HFC         | 60               | 3            | 208/230        | Medium Temp, Low Condensing |
| R-404A HFC         | 50               | 3            | 200/220        | Medium Temp, Low Condensing |
| R-507 HFC          | 60               | 3            | 208/230        | Medium Temp, Low Condensing |
| R-507 HFC          | 50               | 3            | 200/220        | Medium Temp, Low Condensing |
| R-22 HCFC          | 50               | 3            | 200/220        | UL High Temp                |
| R-22 HCFC          | 50               | 3            | 200/220        | Medium Temp, Low Condensing |
| R-22 HCFC          | 60               | 3            | 208/230        | Medium Temp, Low Condensing |
| R-502 CFC          | 50               | 3            | 200/220        | UL Medium Temp              |
| R-407C HFC         | 60               | 3            | 208/230        | Medium Temp, Low Condensing |
| R-407C HFC         | 50               | 3            | 200/220        | UL High Temp                |

## Alternate Applications

| <u>Refrigerant</u> | <u>Freq (Hz)</u> | <u>Phase</u> | <u>Voltage</u> | <u>Application</u>          |
|--------------------|------------------|--------------|----------------|-----------------------------|
| R-407C HFC         | 50               | 3            | 200/220        | UL Medium Temp              |
| R-407A HFC         | 60               | 3            | 208/230        | Air Conditioning            |
| R-407A HFC         | 60               | 3            | 208/230        | Medium Temp, Low Condensing |
| R-407A HFC         | 50               | 3            | 200/220        | Medium Temp, Low Condensing |
| R-407A HFC         | 60               | 3            | 208/230        | UL High Temp                |
| R-407F HFC         | 60               | 3            | 208/230        | Medium Temp, Low Condensing |
| R-407F HFC         | 50               | 3            | 200/220        | Medium Temp, Low Condensing |
| R-448A HFO         | 60               | 3            | 208/230        | Medium Temp, Low Condensing |
| R-448A HFO         | 50               | 3            | 200/220        | Medium Temp, Low Condensing |
| R-449A HFO         | 60               | 3            | 208/230        | Medium Temp, Low Condensing |
| R-449A HFO         | 50               | 3            | 200/220        | Medium Temp, Low Condensing |