

# 5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater

## Standard Taskmaster Models & Series Notes

| MFG CATALOG NUMBER | MFG MODEL NUMBER | KW        | BTUs / H      | VOLTS   | PH  | AMPS          | CONTROL VOLTAGE | TEMP RISE | AIR THROW | CFM       | RECOMMENDED MOUNTING HT. |          | WT. (LBS) |
|--------------------|------------------|-----------|---------------|---------|-----|---------------|-----------------|-----------|-----------|-----------|--------------------------|----------|-----------|
|                    |                  |           |               |         |     |               |                 |           |           |           | Horizontal               | Vertical |           |
| 06450802           | F1F5103N         | 3.3       | 11.2          | 208     | 1   | 15.9 / 9.17   | 208             | 26°F      | 12'       | 400       | 9'                       | 9'       | 25        |
| 06451002           | HF1B5103N        | 3.3/2.5   | 11.2 / 8.5    | 240/208 | 1   | 13.7 / 11.9   | 240 / 208       |           |           |           |                          |          |           |
| 06456802           | F2F5103N         | 3.3       | 11.2          | 208     | 1/3 | 15.9 / 9.17   | 208             |           |           |           |                          |          |           |
| 06457002           | HF2B5103N        | 3.3/2.5   | 11.2 / 8.5    | 240/208 | 1/3 | 13.7 / 11.9   | 240 / 208       |           |           |           |                          |          |           |
| 06457202           | G1G5103N         | 3.3       | 11.2          | 277     | 1   | 11.9          | 277             |           |           |           |                          |          |           |
| 06451202           | P3P5103CA1N      |           |               | 480     | 3   | 4.0           | 24              |           |           |           |                          |          |           |
| 06455402           | F1F5105N         | 5.0       | 17.1          | 208     | 1   | 24.1          | 208             |           |           |           |                          |          |           |
| 06455602           | HF1B5105N        | 5.0/3.7   | 17.1 / 12.8   | 240/208 | 1   | 20.9 / 18.1   | 240 / 208       |           |           |           |                          |          |           |
| 06451402           | F2F5105N         | 5.0       | 17.1          | 208     | 1/3 | 24.1          | 208             |           |           |           |                          |          |           |
| 06451602           | HF2B5105N        | 5.0       | 17.1          | 240     | 1/3 | 20.8 / 18.1   | 240             |           |           |           |                          |          |           |
| 06458402           | G1G5105N         | 5.0       | 17.1          | 277     | 1   | 18.1          | 277             |           |           |           |                          |          |           |
| 06451802           | P3P5105CA1N      | 5.0       | 17.1          | 480     | 3   | 6.1           | 24              |           |           |           |                          |          |           |
| 06452002           | F2F5107CA1L      | 7.5       | 25.6          | 208     | 1/3 | 36.1 / 20.8   | 24              | 34°F      | 22'       | 700       | 10'                      | 12'      | 54        |
| 06452202           | HF2B5107CA1L     | 7.5       | 25.6          | 240     | 1/3 | 27.1 / 31.3   |                 |           |           |           |                          |          |           |
| 06459202           | G1G5107CA1L      | 7.5       | 25.6          | 277     | 1   | 27.1          |                 |           |           |           |                          |          |           |
| 06452402           | P3P5107CA1N      | 7.5       | 25.6          | 480     | 3   | 9.1           |                 |           |           |           |                          |          |           |
| 06452602           | F2F5110CA1L      | 9.9       | 33.8          | 208     | 1/3 | 47.8 / 27.4   |                 |           |           |           |                          |          |           |
| 06452802           | HF2B5110CA1L     | 10.0      | 34.1          | 240     | 1/3 | 41.2 / 24.0   |                 |           |           |           |                          |          |           |
| 06456402           | G1G5110CA1N      | 10.0      | 34.1          | 277     | 1   | 36.1          |                 | 45°F      | 22'       | 700       | 10'                      | 14'      | 55        |
| 06453002           | P3P5110CA1N      | 10.0      | 34.1          | 480     | 3   | 12.1          |                 |           |           |           |                          |          |           |
| 06453202           | F3F5115CA1L      | 15.0      | 51.2          | 208     | 3   | 41.7          |                 |           |           |           |                          |          |           |
| 06453402           | HF3B5115CA1L     | 15.0/11.2 | 51.2 / 38.4   | 240/208 | 3   | 36.1 / 31.3   |                 |           |           |           |                          |          |           |
| 06453602           | P3P5115CA1N      | 15.0      | 51.2          | 480     | 3   | 18.1          |                 |           |           |           |                          |          |           |
| 06453802           | HF3B5120CA1L     | 19.7/14.8 | 67.2 / 50.5   | 240/208 | 3   | 47.8 / 41.1   |                 |           |           |           |                          |          |           |
| 06454002           | P3P5120CA1N      | 20.0      | 68.3          | 480     | 3   | 24.1          |                 | 40/44°F   | 45'       | 2000/1800 | 12'                      | 22'      | 120       |
| 06458802           | F3F5125CA1L      | 25.0      | 85.3          | 208     | 3   | 69.5          |                 |           |           |           |                          |          |           |
| 06459402           | HF3B5125CA1L     | 25.0/18.7 | 85.3 / 64.0   | 240/208 | 3   | 60.2 / 52.1   |                 |           |           |           |                          |          |           |
| 06459802           | P3P5125CA1N      | 25.0      | 85.3          | 480     | 3   | 30.1          |                 |           |           |           |                          |          |           |
| 06454202           | F3F5130CA1L      | 30.0      | 102.4         | 208     | 3   | 83.4          |                 |           |           |           |                          |          |           |
| 06454402           | HF3B5130CA1L     | 30.0/22.5 | 102.4 / 76.8  | 240/208 | 3   | 72.3 / 62.5   |                 |           |           |           |                          |          |           |
| 06454602           | P3P5130CA1N      | 30.0      | 102.4         | 480     | 3   | 36.2          |                 | 47/53°F   | 40'       | 2000/1800 | 12'                      | 20'      | 120       |
| 06440402           | F3F5140CA1L      | 40.0      | 136.5         | 208     | 3   | 111.2         |                 |           |           |           |                          |          |           |
| 06440602           | HF3B5140CA1L     | 40.0/30.0 | 136.5 / 102.4 | 240/208 | 3   | 96.4 / 83.4   |                 |           |           |           |                          |          |           |
| 06440802           | P3P5140CA1N      | 39.0      | 133.1         | 480     | 3   | 47.0          |                 |           |           |           |                          |          |           |
| 06454802           | F3F5150CA1L      | 49.6      | 169.3         | 208     | 3   | 139.0         |                 |           |           |           |                          |          |           |
| 06455002           | HF3B5150CA1L     | 50.0/37.5 | 170.6 / 128.0 | 240/208 | 3   | 120.5 / 104.3 |                 |           |           |           |                          |          |           |
| 06455202           | P3P5150CA1N      | 50.0      | 170.6         | 480     | 3   | 60.3          | 51/56°F         | 50'       | 3100/2800 | 15'       | 22'                      | 120      |           |

## International Models

| MFG CATALOG NUMBER | MFG MODEL NUMBER | KW   | BTUs / H | VOLTS | PH | AMPS  | CONTROL VOLTAGE | TEMP RISE | AIR THROW | CFM       | RECOMMENDED MOUNTING HT. |          | WT. (LBS) |
|--------------------|------------------|------|----------|-------|----|-------|-----------------|-----------|-----------|-----------|--------------------------|----------|-----------|
|                    |                  |      |          |       |    |       |                 |           |           |           | Horizontal               | Vertical |           |
| 07153002           | Q3H5103CA1       | 3.3  | 11263    | 380   | 3  | 5.02  | 24              | 26        | 12'       | 400       | 9'                       | 9'       | 25        |
| 07249202           | R3H5103CA1       |      |          | 415   |    | 4.6   |                 |           |           |           |                          |          |           |
| 07249302           | Q3H5105CA1       |      |          | 380   |    | 7.6   |                 |           |           |           |                          |          |           |
| 04249402           | R3H5105CA1       | 5.0  | 17065    | 415   | 3  | 6.96  | 24              | 40        | 12'       | 400       | 9'                       | 9'       | 27        |
| 07171302           | Q3H5107CA1       |      |          | 380   |    | 11.4  |                 |           |           |           |                          |          |           |
| 07249502           | R3H5107CA1       |      |          | 415   |    | 10.5  |                 |           |           |           |                          |          |           |
| 06865702           | Q3H5110CA1       | 10.0 | 34130    | 380   | 3  | 15.2  | 24              | 45        | 22'       | 700       | 10'                      | 14'      | 55        |
| 07249602           | R3H5110CA1       |      |          | 415   |    | 13.9  |                 |           |           |           |                          |          |           |
| 07249702           | Q3H5115CA1       |      |          | 380   |    | 22.8  |                 |           |           |           |                          |          |           |
| 07249802           | R3H5115CA1       | 15.0 | 51195    | 415   | 3  | 20.9  | 24              | 43        | 32'       | 1100      | 11'                      | 20'      | 64        |
| 07041702           | Q3H5120CA1       |      |          | 380   |    | 30.4  |                 |           |           |           |                          |          |           |
| 07249902           | R3H5120CA1       |      |          | 415   |    | 27.85 |                 |           |           |           |                          |          |           |
| 07191902           | Q3H5125CA1       | 25.0 | 85325    | 380   | 3  | 38.0  | 24              | 40/44     | 45'       | 2000/1800 | 12'                      | 22'      | 120       |
| 07106102           | R3H5125CA1       |      |          | 415   |    | 34.8  |                 |           |           |           |                          |          |           |
| 07250002           | Q3H5130CA1       |      |          | 380   |    | 45.6  |                 |           |           |           |                          |          |           |
| 07106202           | R3H5130CA1       | 30.0 | 102390   | 415   | 3  | 41.8  | 24              | 47/53     | 40'       | 2000/1800 | 12'                      | 20'      | 120       |
| 07250102           | Q3H5140CA1       |      |          | 380   |    | 60.85 |                 |           |           |           |                          |          |           |
| 07098302           | R3H5140CA1       |      |          | 415   |    | 55.7  |                 |           |           |           |                          |          |           |

• For 24V control add "CA1" suffix. • For 120V control add "CA2" suffix. • For other voltages consult factory.

### NOTES:

- 25-50KW models are wired for single or two stage heating and have two speed motors.
- Air delivery and motor data on dual voltage units reflect higher voltage.
- 600 Volt models available in 5 KW through 30 KW. Contact factory for delivery.
- Supply wire on 40 and 50 KW models should have rated insulation of 75°C minimum.
- Use T5122 for two stage control.
- Use TW123 for two stage control.
- Use TFS5102 for two stage control.
- Wall thermostat must be used when built-in stratification thermostat is required.

# 5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater

## Recommended Control Options, Control Accessory Options, & Control Accessories

| MFG MODEL NUMBER | DISCONNECT SWITCH |          | THERMOSTAT |              | SUMMER FAN SWITCH |              | THERMOSTAT & SUMMER FAN SWITCH WALL MOUNTED | STRATIFICATION THERMOSTAT |              |
|------------------|-------------------|----------|------------|--------------|-------------------|--------------|---|---------------------------|--------------|
|                  | 1 Ø               | 3 Ø      | IN-BUILT   | WALL MOUNTED | IN-BUILT          | WALL MOUNTED |   | IN-BUILT                  | WALL MOUNTED |
| F1F5103N         | DCS 202           | NA       | T5100      | ET5SS        | FS5101            | FSW5111      | NA  | TC5103                    | TC1602       |
| HF1B5103N        |                   |          |            |              |                   |              |   |                           |              |
| F2F5103N         | NA                | DCS 403  | T5102      | TW 1512      | FS5101            | FSW5111      | NA  | TC5103                    | TC1602       |
| HF2B5103N        | DCS 202           | NA       | T5100      | ET 5SS       |                   |              |   |                           |              |
| G1G5103N         | DCS 202           | NA       | T5100      | ET5SS        | FS5102            | FSW5112      | TFS5101                                     | NA                        | TC5102       |
| P3P5103CA1N      | NA                | DCS 403  |            | RK120EAA     |                   |              |   |                           |              |
| F1F5105N         | DCS 403           | NA       | T5102      | TW 1512      | FS5101            | FSW5111      | NA  | TC5103                    | TC1602       |
| HF1B5105N        |                   |          |            |              |                   |              |   |                           |              |
| F2F5105N         | NA                | DCS 403  | T5100      | ET5SS        | FS5101            | FSW5111      | NA  | TC5103                    | TC1602       |
| HF2B5105N        | DCS 403           | NA       | T5102      | TW 1512      |                   |              |   |                           |              |
| G1G5105N         | DCS 403           | NA       | T5100      | S2025        | FS5102            | FSW5112      | TFS5101                                     | NA                        | TC5102       |
| P3P5105CA1N      | NA                | DCS 403  |            | RK120EAA     |                   |              |   |                           |              |
| F2F5107CA1L      | DCS 403           | NA       | T5100      | RK120EAA     | FS5101            | FSW5111      | TFS5101                                     | TC5103                    | TC1602       |
| HF2B5107CA1L     | NA                | DCS 403  |            |              |                   |              |   |                           |              |
| G1G5107CA1L      | DCS 403           | NA       | T5100      | RK120EAA     | FS5102            | FSW5112      | TFS5101                                     | NA                        | TC5102       |
| P3P5107CA1L      | NA                | DCS 403  |            |              |                   |              |   |                           |              |
| F2F5110CA1L      | DCS 603           | NA       | T5100      | RK120EAA     | FS5101            | FSW5111      | TFS5101                                     | TC5103                    | TC1602       |
| HF2B5110CA1L     | NA                | DCS 403  |            |              |                   |              |   |                           |              |
| G1G5110CA1N      | DCS 603           | NA       | T5100      | RK120EAA     | FS5102            | FSW5112      | TFS5101                                     | NA                        | TC5102       |
| P3P5110CA1N      | NA                | DCS 403  |            |              |                   |              |   |                           |              |
| F3F5115CA1L      | DCS 603           | NA       | T5100      | RK120EAA     | FS5101            | FSW5111      | TFS5101                                     | TC5103                    | NA           |
| HF3B5115CA1L     | NA                | DCS 403  |            |              |                   |              |   |                           |              |
| P3P5115CA1L      | DCS 603           | NA       | T5100      | RK120EAA     | FS5102            | FSW5112      | TFS5101                                     | TC5103                    | NA           |
| HF3B5120CA1L     | NA                | DCS 403  |            |              |                   |              |   |                           |              |
| P3P5120CA1N      | DCS 603           | NA       | T5100      | RK120EAA     | FS5101            | FSW5111      | TFS5101                                     | TC5103                    | NA           |
| F3F5125CA1L      | DCS 1003          | NA       |            |              |                   |              |   |                           |              |
| HF3B5125CA1L     | DCS 403           | NA       | T5100      | TW123        | FS5102            | FSW5112      | TFS5101                                     | TC5103                    | NA           |
| P3P5125CA1N      | NA                | DCS 1003 |            |              |                   |              |   |                           |              |
| F3F5130CA1L      | DCS 1003          | NA       | T5100      | TW123        | FS5101            | FSW5111      | TFS5101                                     | TC5103                    | NA           |
| HF3B5130CA1L     | DCS 603           | NA       |            |              |                   |              |   |                           |              |
| P3P5130CA1N      | DCS 603           | NA       | T5100      | TW123        | FS5102            | FSW5112      | TFS5101                                     | TC5103                    | NA           |
| F3F5140CA1L      | NA                | DCS 603  |            |              |                   |              |   |                           |              |
| HF3B5140CA1L     | DCS 603           | NA       | T5100      | TW123        | FS5101            | FSW5111      | TFS5101                                     | TC5103                    | NA           |
| P3P5140CA1N      | NA                | DCS 603  |            |              |                   |              |   |                           |              |
| F3F5150CA1L      | NA                | DCS 603  | T5100      | TW123        | FS5102            | FSW5112      | TFS5101                                     | TC5103                    | NA           |
| HF3B5150CA1L     | DCS 603           | NA       |            |              |                   |              |   |                           |              |
| P3P5150CA1N      | DCS 1003          | NA       | T5100      | TW123        | FS5101            | FSW5111      | TFS5101                                     | TC5103                    | NA           |
| F3F5150CA1L      | DCS 603           | NA       |            |              |                   |              |   |                           |              |
| HF3B5150CA1L     | DCS 603           | NA       | T5100      | TW123        | FS5102            | FSW5112      | TFS5101                                     | TC5103                    | NA           |
| P3P5150CA1N      | DCS 1003          | NA       |            |              |                   |              |   |                           |              |

| CONTROL ACCESSORY OPTIONS - FIELD INSTALLED IN HEATER |                  |   |
|---|------------------|---|
| MFG CATALOG NUMBER                                    | MFG MODEL NUMBER | DESCRIPTION   |
| POWER DISCONNECT SWITCH*                              |                  |   |
| 07171502  | DCS202 / 5100    | 20 AMP; 0-16 Amps   |
| 07171602  | DCS403 / 5100    | 40 AMP; 16.1-32 Amps  |
| 07171702  | DCS603 / 5100    | 60 AMP; 32.1-48 Amps  |
| 07171802  | DCS1003 / 5100   | 100 AMP; 48.1-80 Amps   |
| *Disconnect must be rated at 80% of total amload.     |                  |   |
| LINE VOLTAGE THERMOSTAT                               |                  |   |
| 06927702  | T5100            | SPST; LINE DUTY 25 AMP, 120-277V, (40-100 °F)                 |
| 06927802  | T5102            | DPST; LINE DUTY 25 AMP 120-277V 25 AMP, 120-277V, (60-120 °F) |
| LOW VOLTAGE THERMOSTAT (ALL CA1 MODELS) (45 - 90 °F)  |                  |   |
| 06927702  | T5100            | SPST; LOW VOLT/PILOT DUTY; 125VA; (3.3-20 KW UNITS)           |
| 06927902  | T5122            | 2-STAGE; LOW VOLT; 125VA; (25-50 KW UNITS)                    |
| STRATIFICATION THERMOSTAT                             |                  |   |
| 06928002  | TC5102           | SPST; LOW VOLT/PILOT DUTY (W/RELAY) ; 70-130°                 |
| 06928102  | TC5103           | SPST; LINE DUTY; AMP 120-240V; 70-130°                        |
| SUMMER FAN SWITCH                                     |                  |   |
| 06928202  | FS5101           | SPST; LINE VOLT ;120-277V                                     |
| 06928302  | FS5102           | SPST; LINE VOLT ; 480-600V                                    |

| CONTROL ACCESSORIES - REMOTE WALL MOUNTED                        |                  |                                      |
|--|------------------|--------------------------------------|
| MFG CATALOG NUMBER   | MFG MODEL NUMBER | DESCRIPTION                          |
| LINE VOLTAGE THERMOSTAT  |                  |                                      |
| 05029102   | S2025H10AA**     | SP; 25 Amp; 120-277V; 50-90°F        |
| 05387802   | ET5SS**          | SP; 22 Amp; 120-277V; 50-90°F        |
| 06910902   | TW1512*          | DPST; 25 AMP; 120-277V; 50-90°F      |
| LOW VOLTAGE THERMOSTAT (ALL CA1 MODELS)                          |                  |                                      |
| 02600002   | RK120EAA         | 24VAC or MV; 50°-90°F                |
| 06911102   | TW123            | 2-STAGE; (25 - 50 KW UNITS); 40-90°F |
| STRATIFICATION THERMOSTAT  |                  |                                      |
| 06911002   | TC1602           | SPST; LINE VOLT; 120-277V; 70-140°   |
| SUMMER FAN SWITCH  |                  |                                      |
| 06926202   | FSW5111          | SPST; LINE VOLT; 120-277V            |
| 06926302   | FSW5112          | SPST; LOW VOLT; (W/RELAY)            |
| LOW VOLTAGE THERMOSTAT & SUMMER FAN SWITCH(W/RELAY) (CA1 MODELS) |                  |                                      |
| 06926402   | TFS5101          | SPST; LOW VOLT; 50-90°               |
| 06926502   | TFS5102          | 2-STAGE; LOW VOLT; 50-90°            |

\*\*Any SPST thermostat of sufficient amperage may be substituted.  
 \*Use DPST double line break thermostat for 3-phase line voltage control in non "C" models.

## Low Voltage Programmable Thermostats



TH115-A-024T

### Features

- 7 Day, 4 Settings Per Day
- Control Accuracy +/- 1°F of Setpoint Temp
- Pre-Programmed or Custom Settings
- Backlit Display, Energy Star Compliant

### Standard Models

| MFG CATALOG NUMBER | MFG MODEL NUMBER | DESCRIPTION   |
|--------------------|------------------|---|
| 05234002           | TH115-A-024T     | Heat Only<br>Temp Range:40-86°F<br>Dims:4.89"H x 2.79"W x .91"D |



TH147-P

### Features

- 7 Day, 4 Settings Per Day
- Control Accuracy +/- 1°F of Setpoint Temp
- Pre-Programmed or Custom Settings
- Backlit Display, Energy Star Compliant

### Standard Models

| MFG CATALOG NUMBER | MFG MODEL NUMBER | DESCRIPTION   |
|--------------------|------------------|---|
| 05235802           | TH147-P          | 7 Day, 4 Settings per Day, Heating/Cooling, 1 Stage Heat/Cool<br>Temp Range Heat:41-82°F, Cool:59-95°F<br>Dims: 5"W x 3"H x 1"D |

## 2 Stage Low Voltage Thermostat



TW123

### Features

- 24V single or 2 stage heat and cool
- Gas, oil, or electric with air conditioning.
- Heat only, Heat only with fan, Cool only.
- Battery only, common wire only, or common wire with battery backup.
- System settings - Heat, Off, Cool, Auto, Emergency Heat.
- Dimensions: 3 1/16" H x 5 13/16" W x 1 1/2" D

### Standard Models

| MFG CATALOG NUMBER | MFG MODEL NUMBER | VOLTAGE     | TEMP RANGE                 | MAX AMP |
|--------------------|------------------|-------------|----------------------------|---------|
| 06911102           | TW123 / TH5220D  | 750MV - 2DV | 40-90° Heat<br>50-99° Cool | 1.0     |

## TG Series Thermostat Guards



### Features

- 8 tumbler locks
- Imported to TPI specifications

### Standard Models

| MFG CATALOG NUMBER | MFG MODEL NUMBER | DESCRIPTION   |
|--------------------|------------------|---|
| 05891202           | TG1              | Plastic Stat Guard/ 6.25" x 4.25" x 3.25" Opening   |
| 05891002           | TG1B             | Metal Stat Guard/ 5.25" x 4.625" x 3" Opening       |
| 05891302           | TG2              | Plastic Stat Guard/ 5.25" x 5.25" x 3.25" Opening   |
| 05891102           | TG3              | Plastic Stat Guard/ 8.125" x 5.37" x 3.25" Opening  |
| 05891702           | TG3B             | Metal Stat Guard/ 6.75" x 4.50" x 3.50" Opening     |
| 05236102           | TG4              | Plastic Stat Guard / 3.75" x 3.937" x 1.75" Opening |
| 05236202           | TG5              | Plastic Stat Guard / 5" x 3.31" x 1.75" Opening     |
| 05236302           | TG6              | Plastic Stat Guard / 5.75" x 4.625" x 1.75" Opening |