

# 5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater

16

## Standard Taskmaster Models & Series Notes

| MFG<br>CATALOG<br>NUMBER | MFG<br>MODEL<br>NUMBER | KW          | BTUs / H     | VOLTS      | PH             | AMPS                       | CONTROL<br>VOLTAGE | TEMP<br>RISE | AIR<br>THROW | CFM | RECOMMENDED<br>MOUNTING HT. |          | WT.<br>(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<br>3     | 13.7 / 11.9<br>7.9 / 6.9   | 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                | 40°F         | 12'          | 400 | 9'                          | 9'       | 25           |
| 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<br>3     | 24.1<br>13.9               | 208                |              |              |     |                             |          |              |
| 06451602                 | HF2B5105N              | 5.0<br>3.7  | 17.1<br>12.8 | 240<br>208 | 1 / 3<br>1 / 3 | 20.8 / 18.1<br>12.1 / 10.4 | 240<br>208         |              |              |     |                             |          |              |
| 06458402                 | G1G5105N               | 5.0         | 17.1         | 277        | 1              | 18.1                       | 277                |              |              |     |                             |          | 27           |
| 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                 |              |              |     |                             |          |              |
| 06452202                 | HF2B5107CA1L           | 7.5<br>5.6  | 25.6<br>19.2 | 240<br>208 | 1 / 3<br>1 / 3 | 27.1 / 31.3<br>31.3 / 27.1 |                    |              |              |     |                             |          |              |
| 06459202                 | G1G5107CA1L            | 7.5         | 25.6         | 277        | 1              | 27.1                       |                    |              |              |     |                             |          |              |
| 06452402                 | P3P5107CA1N            | 7.5         | 25.6         | 480        | 3              | 9.1                        |                    |              |              |     |                             |          |              |
| 06452602                 | F2F5110CA1L            | 9.9<br>10.0 | 33.8<br>34.1 | 208<br>240 | 1 / 3<br>1 / 3 | 47.8 / 27.4<br>41.2 / 24.0 |                    |              |              |     |                             |          |              |
| 06452802                 | HF2B5110CA1L           | 7.5         | 25.6         | 208        | 1 / 3          | 36.1 / 20.8                |                    |              |              |     |                             |          |              |
| 06456402                 | G1G5110CA1N            | 10.0        | 34.1         | 277        | 1              | 36.1                       |                    |              |              |     |                             |          |              |
| 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                       |                    |              |              |     |                             |          |              |
| 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                       |                    |              |              |     |                             |          |              |
| 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                       |                    |              |              |     |                             |          |              |

## International Models

| MFG<br>CATALOG<br>NUMBER | MFG<br>MODEL<br>NUMBER | KW   | BTUs / H | VOLTS | PH | AMPS  | CONTROL<br>VOLTAGE | TEMP<br>RISE | AIR<br>THROW | CFM       | RECOMMENDED<br>MOUNTING HT. |          | WT.<br>(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             | 5.0  | 17065    | 380   |    | 7.6   |                    | 40           | 22'          | 700       | 10'                         | 12'      | 54           |
| 04249402                 | R3H5105CA1             |      |          | 415   |    | 6.96  |                    |              |              |           |                             |          |              |
| 07171302                 | Q3H5107CA1             | 380  | 11.4     | 34    |    | 45    |                    | 1100         | 11'          | 20'       | 64                          |          |              |
| 07249502                 | R3H5107CA1             | 415  | 10.5     |       |    |       |                    |              |              |           |                             |          |              |
| 06865702                 | Q3H5110CA1             | 10.0 | 34130    | 380   |    | 15.2  |                    | 43           | 32'          | 2000/1800 | 12'                         | 22'      | 120          |
| 07249602                 | R3H5110CA1             |      |          | 415   |    | 13.9  |                    |              |              |           |                             |          |              |
| 07249702                 | Q3H5115CA1             | 15.0 | 51195    | 380   |    | 22.8  |                    | 57           | 40'          | 40'       | 12'                         | 20'      | 24'          |
| 07249802                 | R3H5115CA1             |      |          | 415   |    | 20.9  |                    |              |              |           |                             |          |              |
| 07041702                 | Q3H5120CA1             | 20.0 | 68260    | 380   |    | 30.4  |                    | 40/44        | 45'          | 40'       | 12'                         | 20'      | 24'          |
| 07249902                 | R3H5120CA1             |      |          | 415   |    | 27.85 |                    |              |              |           |                             |          |              |
| 07191902                 | Q3H5125CA1             | 25.0 | 85325    | 380   |    | 38.0  |                    | 47/53        | 55'          | 3100/2800 | 15'                         | 24'      | 24'          |
| 07106102                 | R3H5125CA1             |      |          | 415   |    | 34.8  |                    |              |              |           |                             |          |              |
| 07250002                 | Q3H5130CA1             | 30.0 | 102390   | 380   |    | 45.6  |                    | 40/45        | 55'          | 3100/2800 | 15'                         | 24'      | 24'          |
| 07106202                 | R3H5130CA1             |      |          | 415   |    | 41.8  |                    |              |              |           |                             |          |              |
| 07250102                 | Q3H5140CA1             | 40.0 | 136520   | 380   |    | 60.85 |                    | 40/45        | 55'          | 3100/2800 | 15'                         | 24'      | 24'          |
| 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

17

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

| CONTROL ACCESSORY OPTIONS - FIELD INSTALLED IN HEATER |                        |                                                                  |
|-------------------------------------------------------|------------------------|------------------------------------------------------------------|
| MFG<br>CATALOG<br>NUMBER                              | MFG<br>MODEL<br>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 ampload.    |                        |                                                                  |
| LINE VOLTAGE THERMOSTAT                               |                        |                                                                  |
| 06927702                                              | T5100                  | SPST; LINE DUTY<br>25 AMP, 120-277V, (40-100 °F)                 |
| 06927802                                              | T5102                  | DPST; LINE DUTY 25 AMP 120-277V<br>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<br>KW UNITS)           |
| 06927902                                              | T5122                  | 2-STAGE; LOW VOLT; 125VA; (25-50 KW<br>UNITS)                    |
| STRATIFICATION THERMOSTAT                             |                        |                                                                  |
| 06928002                                              | TC5102                 | SPST; LOW VOLT/PILOT DUTY (W/RELAY) ;<br>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<br>CATALOG<br>NUMBER                                            | MFG<br>MODEL<br>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)<br>(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.