HOW TO DESIGNATE A MODEL:

H 2 H UH 10 C A 1

| Element Volts | Phase | Motor Voltage | Model Series | Element KW | Control System | Transformer | Control Volts |
|---|---|---|---|---|---|---|---|
| F = 208 | 1 = 1-Phase | F = 208 | UH | | O = None | O = None | 1 = 24 |
| H = 240 | 2 = 1 or 3-Ph. | H = 240 | | | C = Contactor | A = Included | 2 = 120 |
| HF = 240/208 | 3 = 3-Phase | B = 240 / 208 | | | R = Relay | | 3 = Element Voltage |
| G = 277 | | G = 277 | | | | | 4 = 240 |
| P = 480 | | P = 480 | | | | | |

Factory Installed Options (use as a suffix on model designation):
S = Summer Fan Switch, F = Fan Delay, D = Disconnect, T = Built-in Thermostat, E = Epoxy Coated

Field Installed Options:
Disconnect Switch, Built-in Thermostat, & Wall / Ceiling Bracket

## Standard Product Models

| MFG CATALOG NUMBER | MFG MODEL NUMBER | KW | BTUs | VOLTS | PH | AMPS | CONTROL VOLTS | TEMP RISE F | AIR THROW | CFM | RECOM'D MOUNTING HT. | WT. (LBS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06446002 | F1FUH03003 | 3.3 | 11200 | 208 | 1 | 15.9 | 208 | 26 | 26' | 400 | 9' | 36 |
| 06446602 | H1HUH03003 | | | 240 | 1 | 13.8 | 240 | | | | | |
| 06447202 | G1GUH03003 | | | 277 | 1 | 11.9 | 277 | | | | | |
| 07114802 | H3HUH03C03 | | | 240 | 3 | 7.9 | 240 | | | | | |
| 07114902 | F3FUH03C03 | | | 208 | 3 | 9.2 | 208 | | | | | |
| 07114002 | P3PUH03CA1 | | | 480 | 3 | 4 | 24 | | | | | |
| 06446102 | F1FUH05003 | 5 | 17100 | 208 | 1 | 24.1 | 208 | 40 | 26' | 400 | 9' | 36 |
| 06446702 | H1HUH05003 | | | 240 | 1 | 20.8 | 240 | | | | | |
| 06447302 | G1GUH05003 | | | 277 | 1 | 18.1 | 277 | | | | | |
| 06449302 | F2FUH05C03 | | | 208 | 1 or 3 | 24.1 / 14.0 | 208 | | | | | 44 |
| 06449402 | H2HUH05C03 | | | 240 | 1 or 3 | 20.8 / 12.1 | 240 | | | | | |
| 06448802 | P3PUH05CA1 | | | 480 | 3 | 6.1 | 24 | | | | | |
| 07180502 | F1FUH07CA1 | 7.5 | 25600 | 208 | 1 | 36.1 | 24 | 42 | 36' | 575 | 9' | 40 |
| 07173702 | H1HUH07CA1 | | | 240 | 1 | 31.3 | 24 | | | | | 41 |
| 07151802 | G1GUH07CA1 | | | 277 | 1 | 27.1 | 24 | | | | | 41 |
| 06447902 | F3FUH07C03 | | | 208 | 3 | 20.8 | 208 | | | | | 44 |
| 06449502 | H2HUH07C03 | | | 240 | 1 or 3 | 31.3 / 18.1 | 240 | | | | | |
| 06448902 | P3PUH07CA1 | | | 480 | 3 | 9.1 | 24 | | | | | |
| 07170902 | F1FUH10CA1 | 10.0 | 34100 | 208 | 1 | 48.1 | 24 | 55 | 36' | 575 | 9' | 42 |
| 06808402 | H1HUH10CA1 | | | 240 | 1 | 41.7 | 24 | | | | | |
| 07173802 | G1GUH10CA1 | | | 277 | 1 | 36.1 | 24 | | | | | |
| 06449602 | F2FUH10C03 | | | 208 | 1 or 3 | 48.1 / 27.8 | 208 | | | | | |
| 06449702 | HF2BUH10C03 | 10 / 7.5 | 34100 | 240 | 1 or 3 | 41.7 / 24.1 | 240 | 55 | | | | 45 |
| | | | 25600 | 208 | 1 or 3 | 36.1 / 20.8 | 208 | 42 | | | | |
| 07114202 | P3PUH10CA1 | 10.0 | 34100 | 480 | 3 | 12.1 | 24 | 55 | | | | 51 |
| 06446402 | F1FUH12C03 | 12.5 | 42600 | 208 | 1 | 60.1 | 208 | 49 | 45' | 800 | 10' | 45 |
| 06447002 | H1HUH12C03 | | | 240 | 1 | 52.1 | 240 | | | | | |
| 06448102 | F3FUH12C03 | | | 208 | 3 | 34.7 | 208 | | | | | |
| 06448602 | H3HUH12C03 | | | 240 | 3 | 30.1 | 240 | | | | | |
| 07114302 | P3PUH12CA1 | | | 480 | 3 | 15.1 | 24 | | | | | |
| 06446502 | F1FUH15CO3 | 15.0 | 51200 | 208 | 1 | 72.1 | 208 | 59 | 45' | 800 | 10' | 54 |
| 06447102 | H1HUH15C03 | | | 240 | 1 | 62.5 | 240 | | | | | |
| 06448202 | F3FUH15C03 | | | 208 | 3 | 41.7 | 208 | | | | | |
| 06448702 | H3HUH15C03 | | | 240 | 3 | 36.1 | 240 | | | | | |
| 07114402 | P3PUH15CA1 | | | 480 | 3 | 18.1 | 24 | | | | | |
| 06883002 | F1FUH20CA1* | 20.0 | 68300 | 208 | 1 | 96.2 | 24 | 47 | 56' | 1350 | 13' | 55 |
| 06884202 | H1HUH20CA1* | | | 240 | 1 | 83.3 | 24 | | | | | |
| 06883102 | F3FUH20CA1 | | | 208 | 3 | 55.6 | 24 | | | | | |
| 06884302 | H3HUH20CA1 | | | 240 | 3 | 48.2 | 24 | | | | | |
| 06883202 | P3PUH20CA1 | | | 480 | 3 | 24.1 | 24 | | | | | |
| 06884402 | F1FUH25CA1 | 25.0 | 85300 | 208 | 1 | 120.2 | 24 | 58 | 56' | 1350 | 13' | 55 |
| 06883302 | H1HUH25CA1 | | | 240 | 1 | 104.2 | 24 | | | | | |
| 06884502 | F3FUH25CA1 | | | 208 | 3 | 69.5 | 24 | | | | | |
| 06883402 | H3HUH25CA1 | | | 240 | 3 | 60.2 | 24 | | | | | |
| 06884602 | P3PUH25CA1 | | | 480 | 3 | 30.1 | 24 | | | | | |
| 06884702 | H1HUH30CA1 | 30.0 | 102390 | 240 | 1 | 125 | 24 | 70 | 56' | 1350 | 13' | 60 |
| 06883602 | F3FUH30CA1* | | | 208 | 3 | 83.4 | 24 | | | | | |
| 06884802 | H3HUH30CA1 | | | 240 | 3 | 72.3 | 24 | | | | | |
| 06883702 | P3PUH30CA1 | | | 480 | 3 | 36.1 | 24 | | | | | |
| 06884002 | P3PUH40CA1 | 40.0 | 136500 | 480 | 3 | 48.2 | 24 | 55 | 56' | 2275 | 16' | 75 |
| 06887802 | P3PUH48CA1 | 48.0 | 163800 | 480 | 3 | 57.8 | 24 | 67 | 56' | 2275 | 16' | 78 |

*Disconnect not available

## 3.3 KW THROUGH 48 KW HORIZONTAL DISCHARGE SUSPENDED FAN FORCED UNIT HEATERS AVAILABLE IN 1 OR 3 PHASE FOR ALL STANDARD VOLTAGES FROM 208V TO 480V

Manufactured in U.S.A.

**NOTE:** Louver assembly is square and mounted with screws. Louver can be removed and repositioned for four (4) directional air flow - left - right - up - down with the heater in the horizontal position.

**FACTORY INSTALLED OPTIONS:**

- 24 Volt transformer on 3 KW to 15KW units to convert from line voltage to low voltage remote thermostat operation.
- Summer fan switch to operate the fan only.
- Fan Delay Switch to purge all residual heat from the unit after the heating element has cycled off.
- Powder coated Epoxy finish for corrosive atmospheres.
- Disconnect switch.

| MAXIMUM RECOMMENDED MOUNTING HEIGHT | |
|---|---|
| 3 - 10 KW | 9 FT. |
| 12 - 15 KW | 10 FT. |
| 20 - 30 KW | 13 FT. |
| 40 - 48 KW | 16 FT. |

**CONSTRUCTION:**
Heavy Gauge welded steel cabinet with powder coated finish and control compartment with a hinged and latched access door, simplifying wiring installation & maintenance.

**HEATING ELEMENT:**
Circular copper clad steel sheath element with continuously brazed steel fins formed to match the air delivery pattern of the fan blade.

**OVERHEAT PROTECTION:**
All units come equipped with automatic resetting type limit controls to de-energize the heater should an over-temperature situation occur.

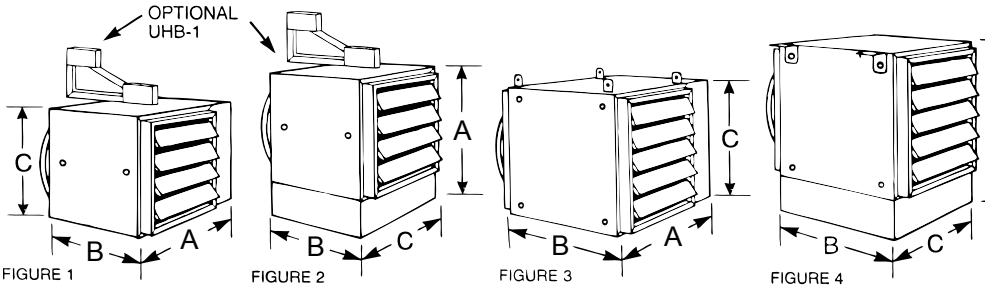
**FAN and MOTOR:**
Totally enclosed, single phase, permanently lubricated, thermally protected motors with unit bearings on 3 KW - 10 KW models and sleeve bearings on 12.5 KW - 48 KW models - mounted with rubber insulators to minimize vibration and noise. Fan assembly enclosed by a heavy gauge, close spaced, chrome plated wire guard.

**LOUVER ASSEMBLY:**
Louvers are individually adjustable for directional control of air flow and the entire assembly can be repositioned in the field from down flow to up flow or left / right directional air flow.

**TEMPERATURE CONTROLS:**
20 KW through 48 KW units and all 480V have built in 24 Volt transformer for low voltage remote thermostat application. 25 KW through 48 KW models available in 2-stage on special order (consult factory).

**INSTALLATION:**
Unit Heaters can be mounted with the motor shaft from horizontal to downward at 45° off horizontal. Pre-drilled holes and installed threaded nuts provided to allow hanging by threaded rods - 1/4" for units up to 15 KW and 5/16" for 20 KW units and larger. Optional wall / ceiling mounting brackets are available for all units.

## Product Dimensions & Model Number Designation




3.3 KW THROUGH 15 KW UNIT HEATERS — 20 KW THROUGH 48 KW UNIT HEATERS

| Dimensions | A | B | C |
|---|---|---|---|
| **Figure 1:** 3.3, 5, 7.5, 10 KW | 20" | 11" | 13" |
| **Figure 2:** 12.5, 15 KW | 22" | 11" | 15" |
| **Figure 3:** 20, 25, 30 KW | 24" | 17" | 17" |
| **Figure 4:** 40, 48 KW | 26" | 23" | 19" |

Figures 3 & 4 shown with standard mounting tabs for units over 20 KW. Optional UHB-3 and UHB-4 wall brackets are available. 3.3 KW thru 15 KW units can be mounted using 1/4" threaded rod. 20 KW thru 48 KW units can be mounted using 5/16" threaded rod.

### HOW TO DESIGNATE A MODEL:

| H | 2 | H | UH | 10 | C | A | 1 |
|---|---|---|---|---|---|---|---|

| Element Volts | Phase | Motor Voltage | Model Series | Element KW | Control System | Transformer | Control Volts |
|---|---|---|---|---|---|---|---|
| F = 208 | 1 = 1-Phase | F = 208 | UH | | O = None | O = None | 1 = 24 |
| H = 240 | 2 = 1 or 3-Ph. | H = 240 | | | C = Contactor | A = Included | 2 = 120 |
| HF = 240/208 | 3 = 3-Phase | B = 240 / 208 | | | R = Relay | | 3 = Element Voltage |
| G = 277 | | G = 277 | | | | | 4 = 240 |
| P = 480 | | P = 480 | | | | | |

Factory Installed Options (use as a suffix on model designation):
S = Summer Fan Switch, F = Fan Delay, D = Disconnect, T = Built-in Thermostat, E = Epoxy Coated

Field Installed Options:
Disconnect Switch, Built-in Thermostat, & Wall / Ceiling Bracket

Note: For stainless steel elements - use SS suffix and add 20% to base net cost.