

UH Series Horizontal Fan Forced Unit Heater

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.

12



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.
- Made in U.S.A.

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 3/8" for 20 KW units and larger. Optional wall / ceiling mounting brackets are available for all units.

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.

Product Dimensions & Model Number Designation

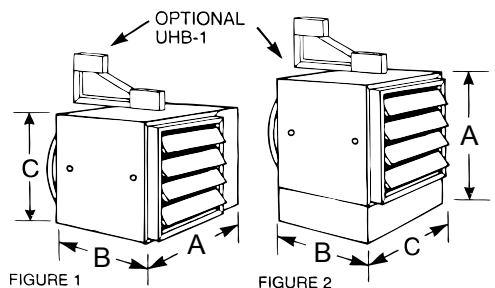


FIGURE 1 3.3 KW THROUGH 15 KW UNIT HEATERS

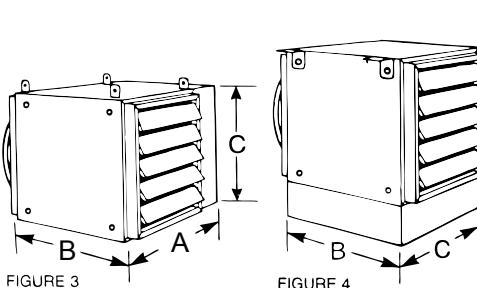


FIGURE 2 20 KW THROUGH 48 KW UNIT HEATERS

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 3/8" threaded rod.

Factory & Field Installed Accessories

FACTORY INSTALLED OPTIONS	
SUFFIX	DESCRIPTION
CA1F	Heat purge fan delay switch includes 24v transformer and contactor on 208-240-277 volt units
CA2F	Heat purge fan delay switch includes 120v transformer and contactor on 208--240-277 volt units
F	Heat purge fan delay switch on 480v units CA1 low voltage transformer and contactor included
S	Summer Fan Switch
CA1	24v Transformer (3.3 KW - 15 KW units) & Contactor
CA2	120v Transformer (3.3 KW - 15 KW units) & Contactor
E	Epoxy Coating
T	SPST Thermostat (40°F - 110°F)
D	Disconnect Switch - 30 Amps; 0-24 Amps
	Disconnect Switch - 40 Amps; 24.1-32 Amps
	Disconnect Switch - 80 Amps; 32.1-64 Amps
	Disconnect Switch - 100 Amps; 64.1-80 Amps

FIELD INSTALLED ACCESSORIES		
MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION
06462302	DCS303	30 Amp Disconnect Kit
06462402	DCS403	40 Amp Disconnect Kit
06462502	DCS803	80 Amp Disconnect Kit
06462602	DCS1003	100 Amp Disconnect Kit
06879902	TUH1	25 Amp SPST Thermostat Kit (40°F - 110°F)
06991002	UHB-1	wall / ceiling bracket 3.3 KW - 15 KW units
06991102	UHB-3	wall / ceiling bracket 20 KW - 30 KW units
06991202	UHB-4	wall / ceiling bracket 35 KW - 48 KW units