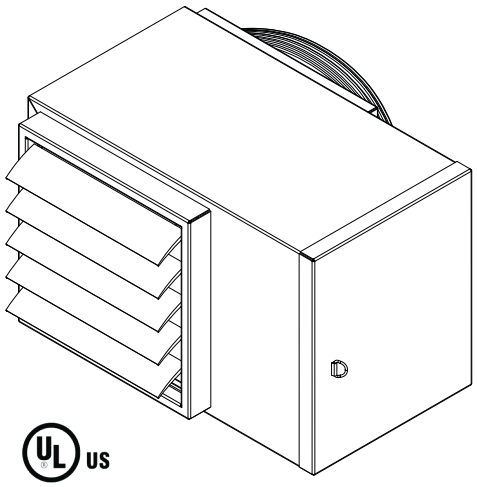
MADE IN
THE U.S.A.

UH SERIES
Electric Unit Heater

Select Division

CUSTOMER		**DATE:**	
PROJECT			
LOCATION			
ARCHITECT			
ENGINEER			
CONTRACTOR			
SUBMITTED BY			
APPROVED BY			
APPROVED BY			



SUBMITTAL DATA SHEET

QTY	TAG	MODEL	WATTAGE	VOLTS	PHASE	AMPS	DISCONNECT	THERMOSTAT	BRACKET	OPTIONS

NOTES/SPECIAL INSTRUCTIONS:

PRINT FORM **EMAIL FORM** **CLEAR FORM**

HOW TO DESIGNATE A MODEL:

H 2 H UH 10 C A 1

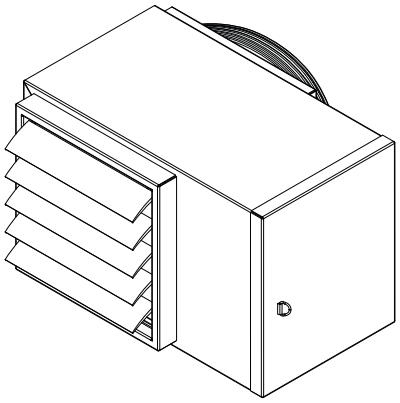
Element Volts	Phase	Motor Voltage	Model Series	Element KW	Control System	Transformer	Control Volts
F = 208 H = 240 HF = 240/208 G = 277 P = 480	1 = 1-Phase 2 = 1 or 3-Ph. 3 = 3-Phase	F = 208 H = 240 B = 240 / 208 G = 277 P = 480	UH		O = None C = Contactor R = Relay	O = None A = Included	1 = 24 2 = 120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

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

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.

- Heavy 18 gauge steel construction
- Powder coated paint finish
- Copper clad steel sheath element with brazed fins
- All units equipped with automatic over-heat limit protection
- Totally enclosed fan motors
- Louvers are individually adjustable for directional air flow
- Optional remote and unit mounted accessories include thermostats, disconnects, fan purge switches, and wall mounts
- Multiple mounting angles for specific horizontal air flow direction.



Product Specifications

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.

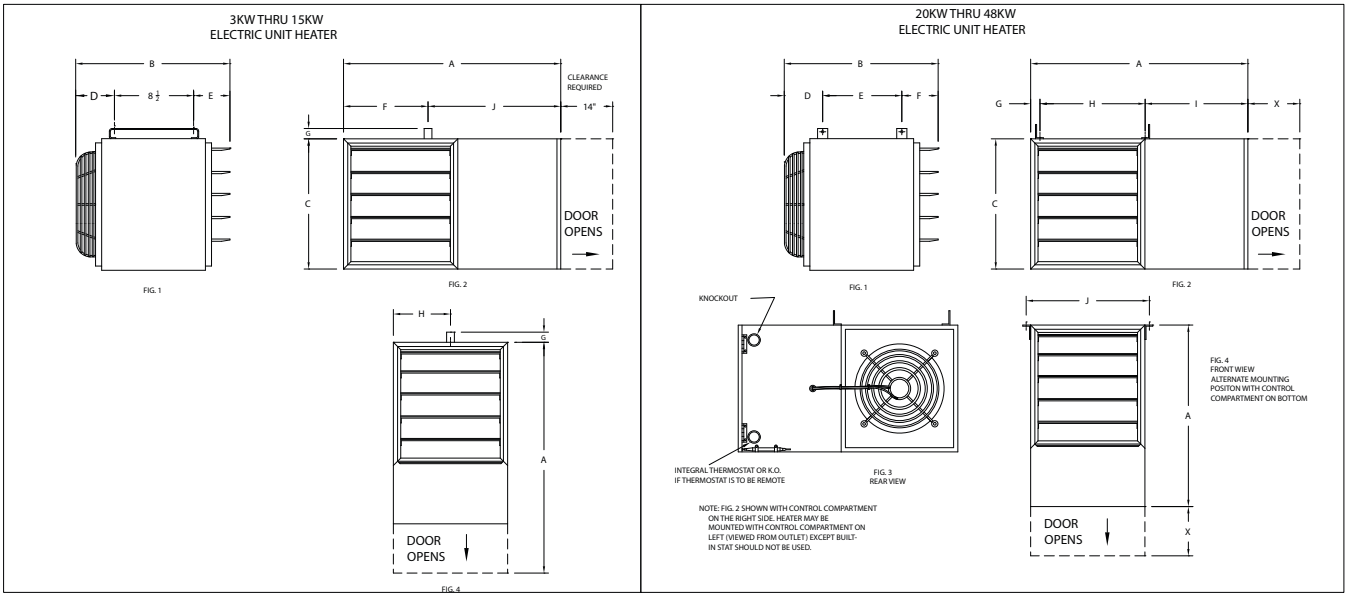
FAN and MOTOR:
Totally enclosed, single phase, permanently lubricated, thermally protected motors with unit bearings on 3 KW - 10 KW models and sleeve bearings on 12.5 KW - 48 KW models - mounted with rubber insulators to minimize vibration and noise. Fan assembly enclosed by a heavy gauge, close spaced, 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 - ¼" 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.

Dimensions



HEATER KW	A	B	C	D	E	F	G	H	I	J	X
3.5, 7.5, 10	20	18 ¾	13	5 7/8	4 ¾	9	1 5/8	6 ½	N/A	11	N/A
12.5 & 15	22	21 ¼	15	8 3/8	4 ¾	10	1 5/8	7 ½	N/A	11	N/A
20, 25, 30	24	28 ½	17	9 7/8	14 ½	4 1/8	1 1/4	15	7 ¾	17 ¾	19
35, 40, 48	26	28 ½	19	9 7/8	20 ½	4 1/8	1 ¼	18	6 ¾	19 ¾	25

Standard 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

Factory and 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	30 Amp Disconnect Switch: 0-24 Amps
	40 Amp Disconnect Switch: 24.1-32 Amps
	80 Amp Disconnect Switch: 32.1-64 Amps
	100 Amp Disconnect Switch: 64.1-80 Amps

FIELD INSTALLED ACCESSORIES		
MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION
06462302	DCS303	30 Amp Disconnect Kit: 0-24 Amps
06462402	DCS403	40 Amp Disconnect Kit: 24.1-32 Amps
06462502	DCS803	80 Amp Disconnect Kit: 32.1-64 Amps
06462602	DCS1003	100 Amp Disconnect Kit: 64.1-80 Amps
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