

FHK Series Portable Metal Sheath Electric Infrared Heater



2.0KW & 4.5KW
Stand Models

Manufactured in U.S.A.

6.0KW & 13.5KW
Hand Cart Models

- Double side wall housings to reduce operating temperatures.
- 6.0 and 13.5KW heaters have double top baffles to reduce operating temperatures.
- 60° symmetrical heat pattern.
- Factory installed U-shaped metal sheath infrared heating elements have an average 5000 hour life.
- Heavy duty protective wire screens.
- GOLD anodized Aluminum internal reflector.

Square Feet Heated

KW	NON-PROTECTED AREA		SEMI-PROTECTED AREA		Required Clearance From Front of Heater
	BELOW 35 °F	ABOVE 35 °F	BELOW 35 °F	ABOVE 35 °F	
1.8 / 2.0	25	36	40	50	2 feet
4.5	64	75	90	125	3 feet
6	85	100	120	150	4 feet
13.5	192	225	270	375	7 feet

Standard FHK Models

UPC# 686334	MODEL	KW	BTU's	VOLTS	PH	AMPS	WT.	LIST
881739	FHK-224-1A	2.0	6,826	240	1	8.3	17 lbs.	442
881753	FHK-248-1A			480	1	4.2		
881784	FHK-424-1A	4.5	15,359	240	1	18.8	24 lbs.	494
881807	FHK-448-1A			480	1	9.4		
882910	FHK-624-3A	6.0	20,478	240	3	14.4	37 lbs.	851
					1	25.0		
882934	FHK-648-3A			480	3	7.5		
					1	13		
882965	FHK-1324-3A	13.5	46,076	240	3	33.0	65 lbs.	1412
				480	3	17.0		
882989	FHK-1348-3A				1	29.0		

OPTIONAL 25' POWER CORD			
UPC# 686334	Model #	TYPE	LIST
880435	880435	16/3 SO	80
880435	880435	16/3 SO	
880459	880459	12/3 SO	113
880466	880466	14/3 SO	90
880497	880497	14/4 SO	113
880442	880442	10/3 SO	125
880497	880497	14/4 SO	113
880466	880466	14/3 SO	90
880510	880510	8/4 SO	237
316422	316422	12/4 SO	130
880527	880527	8/3 SO	210

Contact Factory for Special Build Models @ 208V, 277V or 600V.

Factory Pre-Wired FHK Models With 15 Ft. Cord & Grounded Plug

UPC# 686334	MODEL	TYPE	KW	BTU's	VOLTS	PHASE	AMPS	WT.	LIST
881715	FHK-212-1CA	STAND	1.8	6,143	120	1	15.0	18 lbs.	425

FHK Infrared Control Options

UPC 686334	MODEL #	DESCRIPTION	Operating Voltage (VAC)	Dimensions (In)			WT. (lbs.)	LIST
				Ht.	Wd.	Dp.		
485814	TO-SK-1	Tip-Over Switch	208V - 600V	10.3	10.3	5.0	12	350
589376	DC-SK-1	Disconnect Switch	120V - 600V	5.0	6.0	4.0	5	300
486026	GF-SK-1	Ground Fault Sensing Switch	208V - 600V	10.3	10.3	5.0	12	650

Note: All SK-1 Models have NEMA-1 Enclosure, 50-Amp Max. & 1/3-Phase Rated.

Model "TO" & "GF" features include a positive "off" & a built-in on/off rocker switch that glows red during operation. Additionally, enclosure can mount directly to the terminal box on the back of the heater (FHK-6/13 only) or be mounted to a remote wall surface.



TO-SK-1
or GF-SK-1

FES & YES Series Heat Wave™ Portable Electric & Wall or Ceiling Mounted Salamander

FES Series Product Features & Information



AVERAGE MINUTES TO ACHIEVE TEMPERATURE RISE*						
BUILDING SIZE:	1000 SQ. FEET		1500 SQ. FEET		2000 SQ. FEET	
HEATER:	TEMP RISE		TEMP RISE		TEMP RISE	
	20 °F	40 °F	20 °F	40 °F	20 °F	40 °F
	70 min	140 min	105 min	210 min	---	---
10 KW	70 min	140 min	105 min	210 min	---	---
15 KW	47 min	94 min	71 min	142 min	94 min	188 min
30 KW	23 min	46 min	35 min	70 min	47 min	94 min

* Based on a 15' ceiling height - lower ceiling height will reduce time required

- Safety yellow heater enclosure with safety screens on both air intake and output openings.
- Optional 25' long SO type cord, ready for plug attachment is available for each model.
- Long-life finned tubular heating elements.
- Thermostat adjustment 40° to 100° F.
- Magnetic contactor.
- Automatic reset.
- High-limit thermal cutout switch.
- Fan only switch.
- 10" wheels.
- 800 CFM-15KW units - 1100 CFM-30KW units.



Manufactured in U.S.A.

THE ELECTRIC
ALTERNATIVE TO
PROPANE AND
KEROSENE SPACE
HEATERS

Standard FES Models

UPC 686334	MODEL	KW	BTU's	VOLTS	PH	AMPS	TEMP RISE	WT.	LIST
886017	FES-1520-3A	15	51195	208	3	42	45°F	65 lbs.	1418
886079	FES-1524-1A	15	51195	240	1	63	45°F	69 lbs.	
881441	FES-1524-3E	15	51195	240	3	36	45°F	65 lbs.	
886031	FES-1548-3E	15	51195	480	3	18	45°F	65 lbs.	
886055	FES-3048-3A	30	102390	480	3	36	90°F	83 lbs.	2237

OPTIONAL 25' POWER CORD		
UPC 686334	TYPE	LIST
316408	6/4 SO	273
880510	4/3 SO	352
316408	6/4 SO	273
316422	12/4 SO	130
316408	6/4 SO	273

10 KW, 240V, 1Phase factory pre-wired model with 10 ft. cable & straight blade range plug for use with a standard range outlet.



UPC 686334	MODEL	KW	BTU's	VOLTS	PHASE	AMPS	TEMP RISE	WT.	LIST
200134	FES-1024-1CA	10	34130	240	1	42	30°F	60 lbs.	1418

45 Kilowatt FES Model



OPTIONAL 25' POWER CORD		
UPC 686334	TYPE	LIST
316439	4/4 SO	300

UPC 686334	MODEL	KW	BTU's	VOLTS	PH	AMPS	TEMP RISE	WT.	LIST
872225	FES-4548-3	45	153585	480	3	54.2	70°F	125 lbs.	3700

- Safety yellow heater enclosure with safety screens on both air intake and output openings.
- Optional 25' long SO type cord, ready for plug attachment is available for each model.
- Long-life finned tubular heating elements.
- Thermostat adjustment 40° to 100° F.
- Two 10" rear wheels and a front locking caster.
- High-limit thermal cutout switch with manual reset.
- 2200 CFM
- Fan only operation feature



Standard YES Models

- Wall / ceiling mount included with unit
- Unit is ready for direct wiring

Manufactured in U.S.A.

Thermostat adjustment 40° to 100° F.



UPC 686334	MODEL	KW	BTU's	VOLTS	PHASE	AMPS	TEMP RISE	WT.	LIST
886086	YES-1520-3A	15	51195	208	3	42	45°F	60 lbs.	1418
886185	YES-1524-1A	15	51195	240	1	63	45°F	60 lbs.	
886093	YES-1524-3E	15	51195	240	3	36	45°F	60 lbs.	
886109	YES-1548-3E	15	51195	480	3	18	45°F	60 lbs.	
886123	YES-3048-3A	30	102390	480	3	36	90°F	72 lbs.	2237



Wall Mounted



Ceiling Mounted

198 Series 120 Volt Radiant and/or Fan Forced Portable Heater



- 3-Heat settings:
 - 600 Watt radiant
 - 900 Watt fan forced
 - 1500 Watt radiant & fan forced
- Temperature control thermostat
- Dual safety system:
 - Tip over switch
 - Manual reset type limit control
- 6' long - 3 conductor cord

UPC 686334	MODEL	WATTS	MAX BTU's	VOLTS	AMPS	PHASE	WT.	LIST
445092	198 TMC	1500 / 900 / 600	5120	120	12.5 / 7.5 / 5	1	9 lbs.	137

Width: 11"
Height: 15"
Depth: 12"

188 Series 120 Volt "Milk-house" Style Fan Forced Portable Heater

- 1300W & 1500W heat settings plus fan only setting
- Temperature control thermostat
- 6' long - 3 conductor cord
- Triple safety system:
 - Tip over switch
 - Automatic reset type limit control
 - Thermal cut-off device



Width: 10"
Height: 16"
Depth: 9 1/2"



UPC 686334	MODEL	WATTS	MAX BTU's	VOLTS	AMPS	PHASE	WT.	LIST
800419	188 TASA	1500 / 1300	5120	120	12.5 / 10.8	1	9 lbs.	81

"Under-The-Desk" Confined Space Radiant Heat Panel



Manufactured in U.S.A.



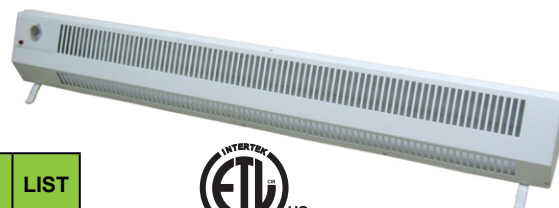
- Use under desks for personal comfort or in small areas for freeze protection or moisture removal.
- Built in stand.
- Temperature control thermostat.
- Dual safety system:
 - Tip over switch
 - Manual reset type limit control.
- 6' long - 3 conductor cord

UPC# 686334	MODEL	WATTS	BTU's	VOLTS	PHASE	WT.	LIST
450881	170-TS	170	580	120	1	9 lbs.	145

483 Series 120 Volt Portable Baseboard Convection Heater

- 1500 Watt convection heater
- Temperature control thermostat
- Manual reset type limit control
- Power on indicator light
- 6' long - 3 conductor cord

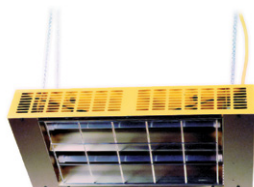
Width: 48"
Height: 5.25"
Depth: 7.5"



Manufactured in U.S.A.

UPC 686334	MODEL	WATTS	MAX BTU's	VOLTS	AMPS	PHASE	WT.	LIST
870887	483 TM	1500	5120	120	12.5	1	13 lbs.	144

CH Series Portable Quarts Infrared Heater



Chain mounted
CH 2212-1C



Portable Cart Unit CH 6424-1C
with FHK-1 Cart

MODEL CH 2212-1C has two 1000 Watt elements that can be switched on / off by toggle switches to produce 1000 Watts or 2000 Watts of heat. - 15' cord and NEMA 5-20 molded plug.

MODEL CH 6424-1C has two sets of 1425 Watt elements that can be switched on / off by toggle switches to produce 2850 Watts or 5700 Watts of heat. - 15' cord and NEMA L6-30 twist lock plug.

- 60° symmetrical heat pattern.
- Interior or protected outdoor use only.
- Quartz tubes and built in wire guards included.
- GOLD anodized Aluminum reflector and end caps.

UPC 686334	MODEL	KW	BTU's	VOLTS	PHASE	AMPS	WT.	LIST
884099	CH-2212-1C	2.0 / 1.0	6826 / 3413	120	1	16.7 / 8.35	16 lbs.	482
884105	CH-6424-1C	5.7 / 2.85	19454 / 9727	240	1	23.8 / 11.9	31 lbs.	794
852401	FHK-1	OPTIONAL CART					20 lbs.	119



20 AMP Plug
NEMA #5-20

Note: CH-2212-1C
operates with a 20-
Amp molded plug.



30 AMP Plug
NEMA #6-30P

Note: CH-6424-1C
operates with a 30-
Amp twist lock plug.



Listed
for
overhead
operation

Manufactured in U.S.A.

474 Series 240 Volt Dual Heat Fan Forced Portable Heater



- 2000W & 4000W heat settings
- Temperature control thermostat
- Manual reset type limit control
- 6' long - 3 conductor cord

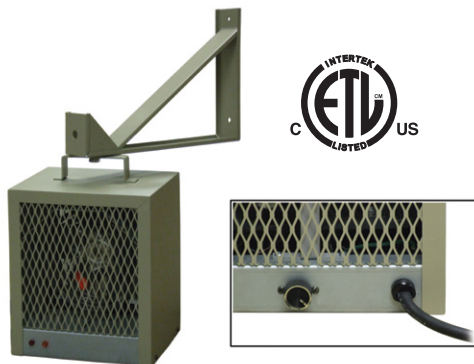
Width: 16"
Height: 16"
Depth: 8-1/2"



20 AMP Plug
NEMA #6-20P

UPC# 686334	MODEL	WATTS	MAX BTU's	VOLTS	AMPS	PHASE	WT.	LIST
450843	474 TM	2000 / 4000	13652	240	12.5	1	20 lbs.	212

Garage/Workshop 240/208 Volt Fan Forced Portable Heater



- 4000/3000 Watts at 240/208 V
- 43°F temperature rise
- Built in bi-metal double pole thermostat - 50° to 90° range.
- Steel tubular heating element
- Wall/Ceiling bracket included
- Manual reset thermal limit
- Power on and overheat pilot lights

ITEM	WIDTH	HEIGHT	DEPTH
Heater	10 1/4"	12"	7 1/2"
Bracket	14 1/4"	10"	----

UPC# 686334	MODEL	WATTS	MAX BTU's	VOLTS	AMPS	PHASE	WT.	LIST
450850	GCH-4000	4000 / 3000	13648	240 / 208	16.6 / 14.4	1	15 lbs.	228

ICH Series 240/208 Volt Construction Site/Utility Fan Forced Portable Heater

- Operates on 240V or 208V
- Steel tubular heating element
- 43°F air heat rise
- Internal overheat thermostat
- Temperature control thermostat
- 6' long cordset

Width: 10 5/8"
Height: 12 3/4"
Depth: 10"



20 AMP Plug
NEMA #6-20P



UPC# 686334	MODEL	WATTS	MAX BTU's	VOLTS	AMPS	PHASE	WT.	LIST
450874	ICH-240C	4000 / 3000	13648	240 / 208	16.7 / 14.4	1	15 lbs.	228

680 Series "Bulldog" 240/208 Volt Fan Forced Portable Unit Heater



Swivel base allows unit to be wall, floor, or ceiling mounted.

- Operates on 240V or 208V
- Finned steel tubular heating element
- Internal manual reset thermal cut-out
- 6' long cord with molded plug
- Temperature control thermostat with 35°F to 85°F range
- 10' air throw - 262 CFM



20 AMP Plug
NEMA #6-20P



30 AMP Plug
NEMA #6-30P

Width: 13 1/2"
Height: 17 1/2"
Depth: 11 1/2"

UPC# 686334	MODEL	WATTS	MAX BTU's	VOLTS	PHASE	AMPS	TEMP RISE	WT.	LIST
446280	*HF684TC	4000/3000	13652/10239	240/208	1	16.7/14.5	48 °F	20 lbs	349
446297	HF685TC	4800/3600	16384/12288	240/208	1	20.0/17.4	58°F	20 lbs.	365
446303	HF686TC	5600/4200	19107/14330	240/208	1	23.4/20.2	75 °F	20 lbs.	410
683500	A1560	OPTIONAL WALL CEILING BRACKET FOR HF680 & ICH 240c SERIES HEATERS							67

* HF684TC UL listed only