

QUARTZ INFRARED SPOT HEATERS



**HEATS SOLID OBJECTS
NOT THE AIR**

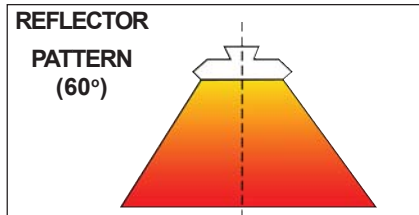
- 60° symmetrical heat pattern
- Quartz tube included
- Bright aluminum reflector and end caps
- 6' long - 3-wire (14/3) cordset with plug that can be removed for direct wire installations
- Two 2' mounting chains and 4 S-hooks included for chain mounting or unit can be surface mounted using optional brackets (CH-MB) which allow up to a 45° horizontal tilt adjustment
- UL / C-UL listed for indoor or semi-protected outdoor applications

MOUNTING CLEARANCES

- 3" from ceiling
- 12" from vertical surface
- 36" from another heater
- 24" from face of heater to combustible surface

CH-46	CH-57
Length: 44.4"	Length: 55.4"
Width: 5.4"	Width: 5.4"
Height: 6.5"	Height: 6.5"

UPC 686334	MODEL	Watts	Volts	Ph	BTU's	WT. (LBS.)	LIST
486000	CH-46	1500	120	1	5120	9	248
486010	CH-57	3000	240	1	10240	11	286



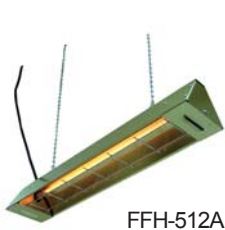
OPTIONS:

UPC 686334	MODEL	DESCRIPTION	USE WITH	WT.	LIST
480888	OCHWG-46	S.S. Wire Guards	CH-46	2 lbs.	43
480895	OCHWG-57		CH-57	2 lbs.	45
486335	CH-MB	Wall Mtg. Brackets (2)	CH-46/57	1 lbs.	16

Recommended Mounting Height: CH-46 7' to 9'
CH-57 8' to 10'



UTILITY INFRARED HEATERS



FFH-512A



FFH-912B



Note: FFH's operate with a 15-Amp NEMA 5-15P plug

90° Reflector Pattern



Mounting Clearances

3" from ceiling
24" from vertical surface
72" from face of heater to combustible surfaces

- The FFH-912B unit includes a dual element design and offers (2) On/Off toggle switches to operate elements independently.
- 8' 18/3 cord with molded plug.
- Supplied with Quartz Tube heating element(s), wire guard, and (2) 4' Jack Chains for suspension mounting.
- To achieve optimum infrared heating results, do not exceed mount heights of 10' and tilt heaters 15° inward towards target.
- FFH-512A – Gold Anodized Finish
- FFH-912B – Brown Enamel Finish

SIZING CHART - FFH SERIES

Mounting Height	Heater Model	Length	Wide	Coverage (Sq. Ft.)	Watts / Sq. Ft.
6'	FFH-512A	7	6	42	13.1
	FFH-912B	6	7	42	21.4
7'	FFH-512A	8	7	56	9.8
	FFH-912B	7	8	56	16.1
8'	FFH-512A	9	8	72	7.6
	FFH-912B	8	9	72	12.5

UPC 686334	MODEL	WATTS	BTU'S	VOLTS	AMPS	# of Elements	Replacement Quartz Tube	WT. (Lbs.)	Dimensions (in.)			LIST
									Length	Width	Height	
883894	FFH-512A	550	1,877	120	5	1	671-3492	4	22.0	4.5	3.3	195
882781	FFH-912B	450/900	3,072	120	8	2	671-3454	4	16.5	5.8	4.8	354

SUSPENDED OR PORTABLE QUARTZ INFRARED HEATERS

CHAIN MOUNTING



UNIT WITH THE ADDITION OF OPTIONAL FHK-1 CART



UL Listed for Overhead Operation

Mounting Height recommended at 7' to 10' from the ground.

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

Mounting Clearances:

- Minimum 24" from vertical surface or 6' from combustibles
- Minimum 24" from ceiling
- Mount at least 36" apart



Note: CH-2212-1C operates with a 20-Amp (NEMA 6-20P) Molded Plug.



Note: CH-6424-1C operates with a 30-Amp (NEMA L6-30) Twist Lock Plug.



PORTABLE ELECTRIC INFRARED HEATERS

HEAVY DUTY METAL SHEATH ELEMENTS



2.0 KW & 4.5 KW
STAND



6.0KW & 13.5KW
HANDCART

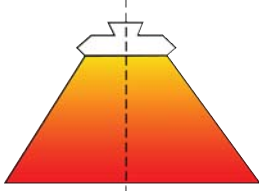
SQUARE FOOTAGE HEATED					Required Clearance to Combustible Material
MODEL KW	NON-PROTECTED AREA		SEMI-PROTECTED AREA		
	BELOW 35 °F	ABOVE 35 °F	BELOW 35 °F	ABOVE 35 °F	
2.0KW	25	36	40	50	2 feet
4.5 KW	64	75	90	125	3 feet
6.0KW	85	100	120	150	4 feet
13.5KW	192	225	270	375	7 feet

- Double side walls to reduce operating temperatures
- 6.0 and 13.5KW heaters have double top baffles to reduce operating temperatures.
- 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
- Consult factory for 208V, 277V or 600V units




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
882989	FHK-1348-3A			480	3	17.0		
					1	29.0		

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

60° symmetrical heat pattern



CONTROL OPTIONS FOR 6KW AND 13.5KW UNITS

	UPC 686334	MODEL #	DESCRIPTION	Operating Voltage	WT. lbs.	LIST
	485814	TO-SK-1	Tip-Over Sw itch w ith on-off toggle sw itch	208V - 600V	12	350
	589376	DC-SK-1	Disconnect Sw itch	120V - 600V	5	300
	486026	GF-SK-1	Ground Fault Sensing Sw itch to prevent dynamic element failure	208V - 600V	12	650

Only one optional control can be mounted on a 6KW or 13.5KW unit. Additional control units if desired can be wall mounted.