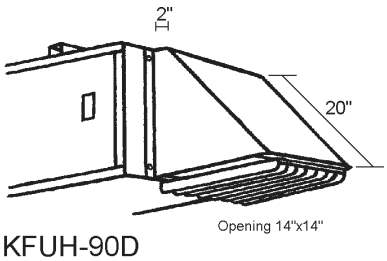
TECHNICAL DATA CHART:

380V 3Ø Heaters are available in most KW ratings.

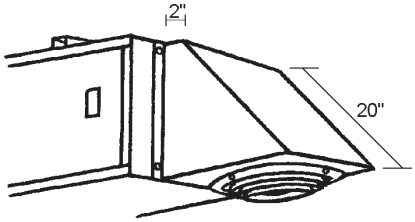
CATALOG NO.	KW	PHASE	BTU (000)	VOLTS	AMPS*	NO. OF ELEM.	MOTOR		TEMPERATURE RISE			CABINET SIZE	WT (LBS.)
							VOLTS	HP	LOW	MED	HIGH		
KFUH2003-1	3	1	10.2	208	14.4	1	208	1/5	12°	11°	9°	Fig. A	57
KFUH2404-1	4	1	13.6	240	16.7	1	240	1/5	16°	15°	13°	Fig. A	57
KFUH2005-1 KFUH2405-1 KFUH4805-1	5	1	17.1	208 240 480	24.0 20.8 10.4	1	208 240 480	1/5	20°	18°	16°	Fig. A	57
KFUH2006-1	6	1	20.5	208	25.0	2	208	1/5	24°	22°	19°	Fig. A	57
KFUH2408-1	8	1	26.9	240	33.3	2	240	1/5	33°	29°	25°	Fig. A	64
KFUH2010-1 KFUH2410-1 KFUH4810-1	10	1	34.1	208 240 480	48.0 41.7 20.8	2	208 240 480	1/5	41°	37°	32°	Fig. A	65
KFUH2412-1 KFUH4812-1	11.5	1	39.2	240 480	47.9 23.9	2	240 480	1/5	47°	42°	36°	Fig. A	65
KFUH2015-1 KFUH2415-1 KFUH4815-1	15	1	51.2	208 240 480	72.1 62.5 31.2	3	208 240 480	1/5	61°	55°	47°	Fig. A	74
KFUH2418-1 KFUH4818-1	17.25	1	58.8	240 480	82.9 35.9	3	240 480	1/5	70°	63°	55°	Fig. A	74
KFUH2020-1 KFUH2420-1 KFUH4820-1	20	1	68.3	208 240 480	96.2 83.3 41.7	4	208 240 480	1/3	57°	51°	41°	Fig. B	76
KFUH2025-1 KFUH2425-1 KFUH4825-1	25	1	85.3	208 240 480	120.2 104.2 52.1	5	208 240 480	1/3	72°	63°	51°	Fig. B	81
KFUH2030-1 KFUH2430-1 KFUH4830-1	30	1	102.4	208 240 480	144.2 125.0 62.5	6	208 240 480	1/3	86°	76°	62°	Fig. B	85
KFUH2435-1 KFUH4835-1	34.5	1	117.7	240 480	143.7 71.8	6	240 480	1/3	99°	87°	71°	Fig. B	85
3-PHASE													
KFUH2405-3 KFUH4805-3	5	3	17.1	240 480	13.0 7.0	3	240 480	1/5	30°	25°	20°	Fig. A	74
KFUH2009-3	9	3	30.7	208	21.6	3	208	1/5	37°	33°	28°	Fig. A	74
KFUH2410-3 KFUH4810-3	10	3	34.1	240 480	24.1 12.0	3	240 480	1/5	41°	37°	32°	Fig. A	74
KFUH2012-3	11.25	3	38.4	208	31.2	3	208	1/5	46°	41°	35°	Fig. A	74
KFUH2412-3 KFUH4812-3	12	3	40.9	240 480	28.9 14.4	3	240 480	1/5	49°	44°	38°	Fig. A	74
KFUH2015-3 KFUH2415-3 KFUH4815-3	15	3	51.2	208 240 480	41.6 36.1 18.1	3	208 240 480	1/5	61°	55°	47°	Fig. A	74
KFUH2418-3 KFUH4818-3	17.25	3	58.8	240 480	43.3 20.7	3	240 480	1/5	70°	63°	55°	Fig. A	74
KFUH2420-3 KFUH4820-3	20	3	68.3	240 480	48.0 24.0	4	240 480	1/5	57°	51°	41°	Fig. B	85
KFUH2022-3	22.5	3	76.8	208	62.5	6	208	1/3	64°	56°	46°	Fig. B	85
KFUH2424-3 KFUH4824-3	24	3	81.6	240 480	57.7 28.8	6	240 480	1/3	69°	61°	49°	Fig. B	85
KFUH2030-3 KFUH2430-3 KFUH4830-3	30	3	102.4	208 240 480	83.3 72.2 36.1	6	208 240 480	1/3	86°	76°	62°	Fig. B	85
KFUH2435-3 KFUH4835-3	34.5	3	117.7	240 480	82.9 41.5	6	240 480	1/3	99°	87°	71°	Fig. B	85

*Above units can be doubled for twice the wattage output.
Does not include motor load, refer to Air Delivery Char



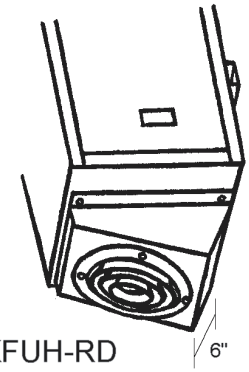
KFUH-90D

Typically used in low ceiling height or where a 90° turn is preferred.



KFUH-90RD

Radial diffuser for immediate dispersion of heated air.



KFUH-RD

Wide pattern for radial heat dispersion.

MODEL	DESCRIPTION
1E30-910	24V Wall Thermostat, Range 50°-90°
S23-6	Subbase for 1E30-910 to operate fan only
KFUH-90D	90° Adjustable Louver Diffuser
KFUH-RD	Radial Diffuser
KFUH-90RD	90° Radial Diffuser
KFUH-PTBL	Kit includes casters and mounting bracket to create a Portable KFUH (No power cord)

S23-6

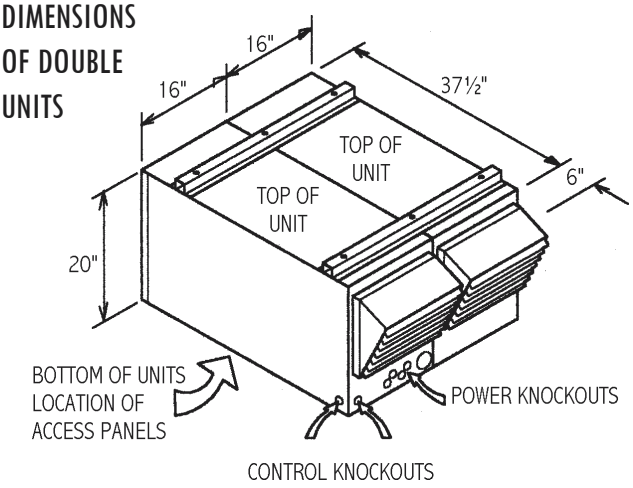
1E30-910

KING ELECTRICAL MFG. CO. · 9131 10TH AVENUE SOUTH · SEATTLE, WA 98108 · TEL: 206.762.0400 · FAX: 206.763.7738

AIR DELIVERY CHART:

MOTOR HP	MOTOR SPEED							
	MOTOR LOAD		LOW		MED		HIGH	
	VOLTAGE	AMPS	CFM	FPM	CFM	FPM	CFM	FPM
1/5	230 380/460	3.4 1.7	775	570	860	630	1000	735
1/3	230 380/460	3.2 1.7	1100	810	1250	920	1540	1130
1/2	230 380/460	3.8 1.9	1250	920	1540	1130	1750	1285
MOTOR WIRE COLOR			RED		BLUE		BLACK	
Air Volume= Cubic Feet Per Minute (CFM) Air Velocity=Feet Per Minute (FPM)								

DIMENSIONS OF DOUBLE UNITS



Mounting

KFUH heaters can be mounted vertically or horizontally as shown. 3/8" weldnuts are welded into brackets and will accept 3/8 threaded rod. A minimum of 6 inches clearance to vertical and horizontal surfaces and 6 feet minimum above floor is required. Louvers can be adjusted for desired air flow.

Application Tips

First, calculate the heating loads in the conventional way using the NEMA handbook or ASHRAE guide. Next determine the quantity and size of unit heaters to be used. In instances where a large group of people are settled and normally in the same location, use a large number of smaller KW unit heaters. (Example: People on a production line or skilled machine operations.) By utilizing heaters in this manner one can best distribute uniform heat, prevent hot drafts, reduce potential noise levels and balance the electrical operating demand.

When considering warehouse areas or storage rooms where heat distribution and constant temperatures are less important, use fewer heaters of higher capacity.

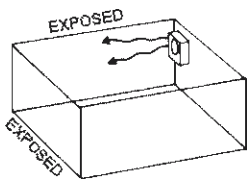
To maintain uniform heat and reduce stratified air it is recommended that the total CFM of the units turn the air over approximately 3 times per hour.

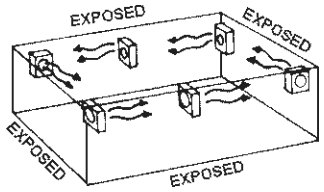
Horizontal Mount

Smaller rooms can be heated by one unit heater. Where two walls are exposed heaters should be mounted as shown.

In larger rooms, units should be located so their air streams wipe exposed walls without blowing at them. Units should be located so that the air stream of one supports that of another thus setting up a circulatory air movement. (Distance between units to be approximately 1 times published air throw).

Units should not be mounted horizontally in areas having ceiling heights in excess of 10 to 12 feet.

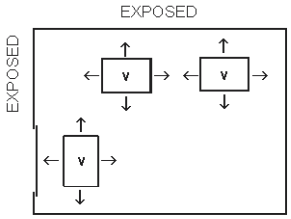




Vertical Mount

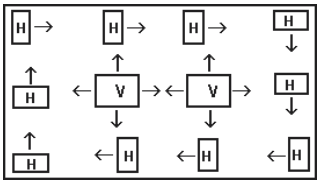
Units should be mounted vertically where they may otherwise interfere with assorted material, handling equipment and in high bay areas. Heaters should be situated to provide free air circulation. Size and selection of units should be based on recommended mounting height.

Unit heaters are frequently used to combat cold air inrush when loading dock doors are opened. For such applications, one or more units should be arranged to blow warm air vertically in front of opening.



Dual Mounting

Where square footage is large and comfort essential, both horizontal and vertical installations may best serve your requirements.



Mounting Limitations

KFUH unit heaters should not be used in potentially explosive atmospheres. The finish is not intended for direct salt spray exposure in marine applications or the highly corrosive atmospheres of swimming pools, chemical storage bins, etc. Please refer to the factory for explosion proof or marine application heater information.

Do not install unit heaters above recommended maximum mounting height. See chart for height information. Obstructions must not block unit heater air inlet or discharge. Heaters must be mounted at least 6' above the floor to prevent accidental contact with the heating element or fan blade which could cause injury.