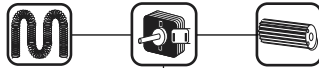


UNIT HEATER

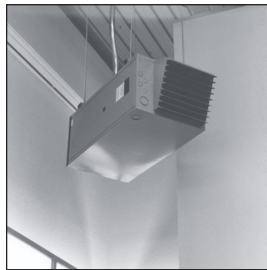
KFUH
SERIES

WAREHOUSE/PARKING GARAGES
CEILING OVER 10 FT



FEATURES:

- Open Coil Element
- C-Frame Motor
- Squirrel Cage Blower
- Control Options
- Quiet Switching Relays or Sequencers
- Air Over Type Motor rated to -30°F
- 24 Volt Control
- Horizontal or Vertical Mount
- Adjustable Louver Hood
- Optional Fan Only Relay
- Can Be Ducted on Intake and Outlet



High Volume Heater



Air being moved in a circular pattern to heat an event tent.

The KFUH series commercial unit heater is an efficient, dependable suspension heater. This heater is perfectly suited for applications in warehouse, parking garages and docks. The three speed, high-capacity motor and blower delivers large volumes of air quietly, ranging from 775 to 1540 CFM.

Commonly used in large high ceiling, stores, garages or warehouses. The heater may be mounted at any angle with the integral suspension ribs welded on unit.

Safety screens are provided at both the air intake and discharge aperture. Filter on intake is replaceable. Thermostat and fan relay may be ordered separately.

FIELD WIRING

208 and 240 Volt heaters are equipped with circuit breakers to provide internal circuit protection and a field disconnect on the unit. A terminal block provides a single strike for field wiring. 480 Volt units do not have circuit breakers but are fused when internal protection is required over 48 amps and are also supplied with terminal blocks for field wiring. Consult the National Electric code for proper wire size and service circuit breaker protection.

CONTROL WIRING

Connect low voltage thermostat to terminals R and W on the low voltage terminal block provided. For optional fan only operation connect terminals R and G with a switch.

ENGINEERING SPECIFICATIONS:

Contractor shall supply and install, KFUH-Series unit heaters, manufactured by King Electrical Mfg. Company. Heaters shall be of the wattage and voltage as indicated on the plans.

Transformer: Each unit is equipped with a heavy duty low voltage (24 Volt) transformer for the thermostat control circuit.

Contact or Time Delay Sequencer: Actuates heating element banks at random intervals to minimize electrical surges in compliance with EEL and NEMA standards.

Heating Elements: Quick heating long life nichrome elements are sized to provide proper watt density for maximum heat dissipation by fan forced air convection currents.

Terminal Block: For Field Wiring

Air Filter: Convenient access for replacement of standard 16" x 20" x 1" filter.

Motor: Long life thermally protected, permanently lubricated, direct

drive motor - no belts to adjust or slip. This low noise three speed motor is designed for maintenance free operation.

Overcurrent Protection: 60 Amp Circuit breakers may be built in to comply with code requirements and offer ultimate safety in overcurrent protection. Front mounted for easy reset. Single power source.

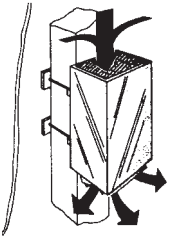
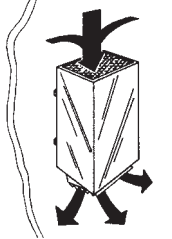
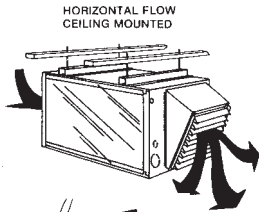
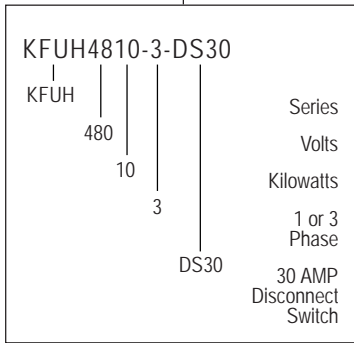
Limit Control: Integral automatic high temperature limit control in each heating element bank prevents the delivery of air at unsafe temperatures. 20-35 KW use a manual reset limit control to completely shut the furnace off should an overtemperature occur.

Fan Relay: Heavy duty dual speed fan relay may be ordered with furnaces for air conditioning or summer fan operation.

Unique Fan Orifice: Louver directs air over all heating elements and sidewalls evenly insuring long life performance. No insulation necessary in cabinet.

Low Voltage Terminal Block: For 24 Volt Control.

MODEL CODE:



OPTIONS:

ADD SUFFIX	DESCRIPTION
-SF	Summer Fan Switch
-BR	Blower Relay For Remote Fan Only Operation
-2S1	2-Stage Control, 1-Phase Models
-2S3	2-Stage Control, 3-Phase Models
-DS30	30 AMP, 3-Pole Non-Fused Disconnect Switch
-DS40	40 AMP, 3-Pole Non-Fused Disconnect Switch
-DS80	80 AMP, 3-Pole Non-Fused Disconnect Switch
-DS100	100 AMP, 3-Pole Non-Fused Disconnect Switch
-ND	No Diffuser, 1" Duct Collar Provided On Discharge Side For Connection To 14" x 14" Duct
-T	1-Pole STAT
-2TS	2-Stage STAT

QUICK SELECTION CHART:

KILO-WATTS	2-STAGE OPTION (-2S1)		PHASE	208V		240V		480V		WT. (lbs.)
	1st.	2nd.		MODEL	UPC #093319 PART NO.	MODEL	UPC #093319 PART NO.	MODEL	UPC #093319 PART NO.	
	3				1	KFUH2003-1	15701			
4						KFUH2404-1	15702			
5			KFUH2005-1	15705		KFUH2405-1	15700	KFUH4805-1	15703	
6			KFUH2006-1	15706						
8	4	4				KFUH2408-1	15704			65
10	5	5	KFUH2010-1	15713		KFUH2410-1	15712	KFUH4810-1	15715	
11.5	5.75	5.75				KFUH2412-1	15718	KFUH4812-1	15721	
15	5	10	KFUH2015-1	15732		KFUH2415-1	15730	KFUH4815-1	15733	
17.2	5.75	11.5				KFUH2418-1	15742	KFUH4818-1	15745	74
20	10	10	KFUH2020-1	15752		KFUH2420-1	15754	KFUH4820-1	15757	
25	10	15	KFUH2025-1	15780		KFUH2425-1	15778	KFUH4825-1	15781	
30	15	15	KFUH2030-1	15782		KFUH2430-1	15784	KFUH4830-1	15787	
34.5	17.25	17.25				KFUH2435-1	15796	KFUH4835-1	15799	85

KILO-WATTS	2-STAGE OPTION (-2S3)		PHASE	208V		240V		480V		WT. (lbs.)
	1st.	2nd.		MODEL	UPC #093319 PART NO.	MODEL	UPC #093319 PART NO.	MODEL	UPC #093319 PART NO.	
	5				3			KFUH2405-3	15762	
9			KFUH2009-3	15710						
10	5	5				KFUH2410-3	15764	KFUH4810-3	15766	
12			KFUH2012-3	15722						
15	5	10				KFUH2412-3	15723	KFUH4812-3	15727	85
17.2			KFUH2015-3	15735		KFUH2415-3	15736	KFUH4815-3	15739	
20	10	10				KFUH2418-3	15748	KFUH4818-3	15751	
22.5						KFUH2420-3	15768	KFUH4820-3	15770	
24			KFUH2022-3	15760						85
30	15	15				KFUH2424-3	15772	KFUH4824-3	15775	
34.5	17.25	17.25	KFUH2030-3	15792		KFUH2430-3	15790	KFUH4830-3	15793	
						KFUH2435-3	15802	KFUH4835-3	15805	

Lugs rated for copper and aluminum.

DIMENSIONS

