



SUBMITTAL SHEET

Job Name: _____

Submitted By: _____

Date: _____

Location: _____

Architect: _____

Engineer: _____

Approved By: _____

Date: _____

Contractor: _____

Submitted By: _____

King Contact: _____

Quotes@king-electric.com

Date: _____

Tag	Qty	Item Number	Watts	Volts	PH	Amps	Weight

Accessories

Tag	Qty	Item Number

Compact Fan Forced Cabinet Heater KCF Series



Model Code:

KCF	2/3/4	-24	20	-1	-R	-T	-DS1
A	B	C	D	E	F	G	H

A: Series
B: Length
C: 20 - 208V 24 - 240V
27 - 277V 48 - 480V
D: Watts (20=2000 - 50=5000)
E: -1 single phase -3 three phase
F: Recess or Surface mount
G: Single Pole Thermostat
H: Double Pole Disconnect Switch

- Fan-Forced heat
- Aluminum fin element
- Squirrel cage blower
- 1 or 3-phase
- Standard color: almond
- High mass ceramic element
- 18 gauge cabinet
- Capillary safety tube limit
- Powder-coated
- 5-year limited warranty



The KCF Series Cabinet Heater

The King heavy-duty KCF cabinet heater can be placed almost anywhere. Typical uses are hall or entryways where a deep cabinet heater would be too intrusive. The slim design is great for schools, office, air terminals, auditoriums, apartments, restaurants, churches, factory's, theaters and other locations where a clean impact resistant 18 gauge construction and entry way or comfort heating is needed. The KCF uses the time tested ceramic core heating elements that King developed over 50 years ago and have a very long life. Available in a slim 4" surface mount or the recess in wall installation. A sub-base is available when installing close to the floor to fill the gap. Thermostats, Contactors and Disconnect switches are available as options. Textured powder coated finish in an almond color. KCF model adds quiet tangential fans in the bottom of the cabinet to help move the heated air out of the cabinet. KCF model is not for residential use unless you add the Manual reset limit option.

Ordering Information - single phase

	MODEL	VOLTS	WATTS	1-PH AMPS	BTUH	CONTROL VOLTAGE	#of BLOWERS	CFM	LENGTH	SHIP WEIGHT lbs
208V	KCF2-2010-1	208	1000	4.8	3.4	208V	1	70	24"	35
	KCF2-2020-1	208	2000	9.6	6.8	208V	1	70	24"	35
	KCF3-2030-1	208	3000	14.4	10.2	208V	2	140	36"	45
	KCF4-2040-1	208	4000	19.2	13.6	208V	3	210	48"	55
	KCF4-2050-1	208	5000	24	17	208V	3	210	48"	55
240V	KCF2-2410-1	240	1000	4.2	3.4	240V	1	70	24"	30
	KCF2-2420-1	240	2000	8.3	6.8	240V	1	70	24"	35
	KCF3-2430-1	240	3000	12.5	10.2	240V	2	140	36"	45
	KCF4-2440-1	240	4000	16.7	13.6	240V	3	210	48"	55
	KCF4-2450-1	240	5000	20.8	17	240V	3	210	48"	55
277V	KCF2-2710-1	277	1000	3.6	3.4	277V	1	70	24"	30
	KCF4-2720-1	277	2000	7.2	6.8	277V	1	70	24"	35
	KCF3-2730-1	277	3000	10.3	10.2	277V	2	140	36"	45
	KCF4-2740-1	277	4000	14.4	13.6	277V	3	210	48"	55
	KCF4-2750-1	277	5000	18	17	277V	3	210	48"	55
480V	KCF2-4810-1	480	1000	2.1	3.4	277V	1	70	24"	30
	KCF2-4820-1	480	2000	4.2	6.8	277V	1	70	24"	35
	KCF3-4830-1	480	3000	6.5	10.2	277V	2	140	36"	45
	KCF4-4840-1	480	4000	8.3	13.6	277V	3	210	48"	55
	KCF4-4850-1	480	5000	10.4	17	277V	3	210	48"	55

Ordering Information - three phase

	MODEL	VOLTS	WATTS	3-PH AMPS	BTUH	CONTROL VOLTAGE	#of BLOWERS	CFM	LENGTH	SHIP WEIGHT lbs
208V	KCF2-2010-3	208	1000	2.8	3.442	208V	1	70	24"	35
	KCF2-2020-3	208	2000	5.6	6.8	208V	1	70	24"	35
	KCF3-2030-3	208	3000	8.3	10.2	208V	2	140	36"	45
	KCF4-2040-3	208	4000	11.1	13.6	208V	3	210	48"	55
	KCF4-2050-3	208	5000	13.9	17	208V	3	210	48"	55
240V	KCF2-2410-3	240	1000	2.4	3.4	240V	1	70	24"	30
	KCF2-2420-3	240	2000	4.8	6.8	240V	1	70	24"	35
	KCF3-2430-3	240	3000	7.2	10.2	240V	2	140	36"	45
	KCF4-2440-3	240	4000	9.6	13.6	240V	3	210	48"	55
	KCF4-2450-3	240	5000	12.0	17	240V	3	210	48"	55

Compact Fan Forced Cabinet Heater KCF Series

Ordering Information - three phase

MODEL	VOLTS	WATTS	3-PH AMPS	BTUH	CONTROL VOLTAGE	#of BLOWERS	CFM	LENGTH	SHIP WEIGHT lbs
KCF2-4810-3	480	1000	1.2	3.4	277V	1	70	24"	30
KCF2-4820-3	480	2000	2.4	6.8	277V	1	70	24"	35
KCF3-4830-3	480	3000	3.6	10.2	277V	2	140	36"	45
KCF4-4840-3	480	4000	4.8	13.6	277V	3	210	48"	55
KCF4-4850-3	480	5000	6	17	277V	3	210	48"	55

*Note: 3-Phase models come standard with power contactor

Factory Installed Options

ADD SUFFIX	DESCRIPTION
-R	Recessed Mount
-S	Surface Mount

Field Installed Accessories

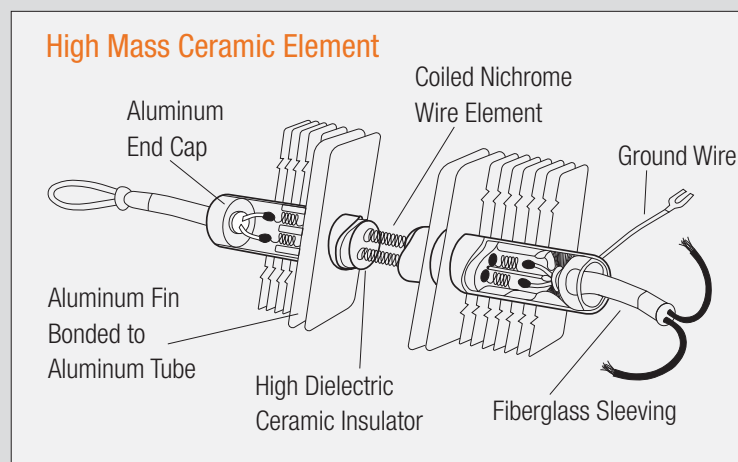
MODEL	UPC	DESCRIPTION
KC-SB-24	20319	KC ACCY SUB-FLOOR BASE 24" WIDE, 2" TALL, 3" DEEP
KC-SB-36	20316	KC ACCY SUB-FLOOR BASE 36" WIDE, 2" TALL, 3" DEEP
KC-SB-48	20317	KC ACCY SUB-FLOOR BASE 48" WIDE, 2" TALL, 3" DEEP

Factory Installed Control Options

ADD SUFFIX	DESCRIPTION
-RT	Line Voltage Terminal Block
-CX	Power Contactor (1-Phase Models Only) *Comes Standard on 3-Phase Models
-RT24	24 Volt Contactor & Transformer
-3PS	3-Position Switch
-DS1	Double Pole Disconnect Switch (1-Phase)
-DS3	Three Pole Disconnect Switch (3-Phase)
-T	25 Amp Single Pole Thermostat w/Knob
-T2	25 Amp Double Pole Thermostat w/Knob
-TP	25 Amp Tamperproof (slotted shaft), single pole

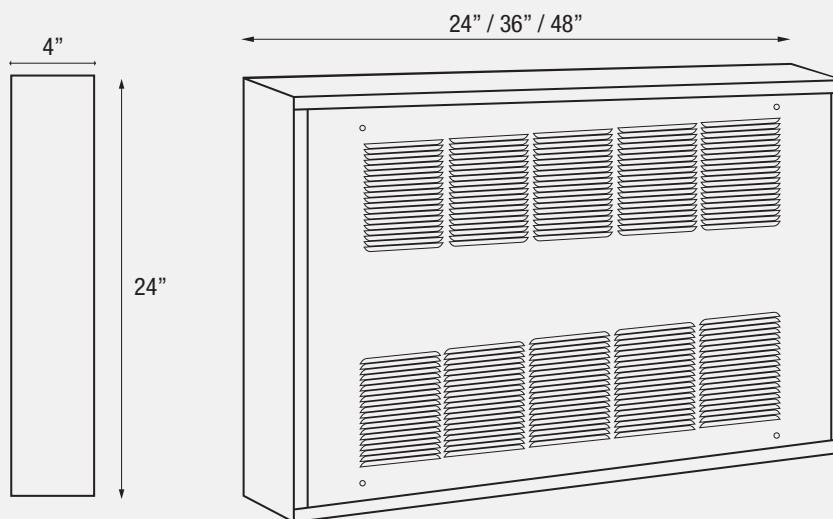
Control Options


- A line voltage terminal block can be provided for wiring to a remote line voltage thermostat.
- A power contactor with line voltage coil can be provided to remotely switch the heater.
Note: Optional for 1-Phase models only- comes standard on 3-Phase models.
- A power contactor and 24V transformer can be provided to remotely switch the heater.
- A 3-position switch can be provided for manual HEAT/FAN/OFF control.
- A 2-Pole Disconnect switch can be provided for 1-Phase heaters.
- A 3-Pole Disconnect can be provided for 3-Phase heaters.
- A floor sub-base can be provided for direct floor contact.
- A built-in 1-Pole thermostat can be provided for convenience.
- A built-in 2-Pole thermostat can be provided for convenience.
- A tamperproof built-in thermostat can be provided without a knob, temperature adjustments are made with a screw driver.

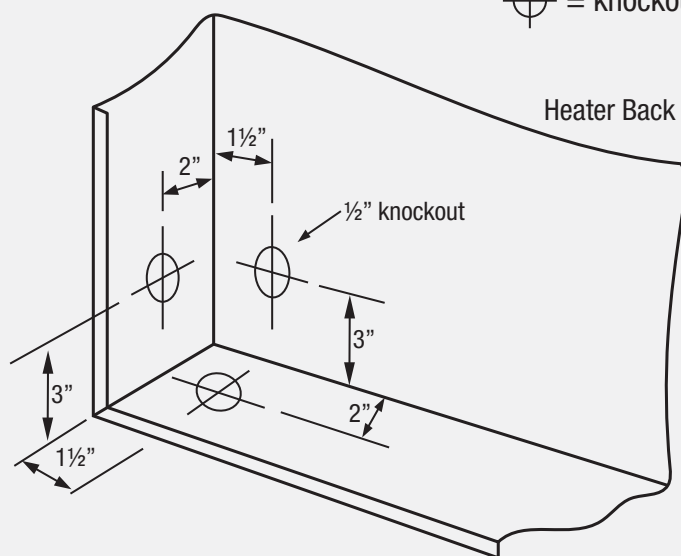


Compact Fan Forced Cabinet Heater KCF Series

Dimensional Data



 = knockout location



Engineering Specifications

Contractor shall supply and install KCF Series Safe Touch cabinet heaters manufactured by King Electrical Mfg. Company. Heaters shall be of the wattage and voltage as indicated on the plans.

Construction: Heaters shall be constructed in 18 gauge galvanized Steel with epoxy powder-coated manufacturer's standard finish. A louvered front cover with intake and outlet grille will protect element area and provide ample air flow to dissipate heated air.

Element: The superior performance comes from the proven technology of the ceramic thermal storage heater core. A 7/8" diameter aluminum tube is filled with a special high density ceramic that stores the thermal energy. The oversized fins (4.875 in²) are made from durable (0.015" thick) high grade aluminum which produces better heat transfer than other elements. The benefit of the technology comes when the thermostat is turned off and the element continues to radiate heat. It also reduces temperature swings by heating and cooling more evenly. A fired refractory ceramic core with two large diameter Nickel Chromium

coils attached with high temperature stainless connectors and stranded Nickel wire, terminated in a junction box.

Controls: A built-in thermal cutout shall automatically shut off the heater in case of overheating. A built-in thermostat for temperature control will have a range from 40°- 95°F and be of the high accuracy capillary tube-type. Disconnect switch and contactors will be provided if necessary.

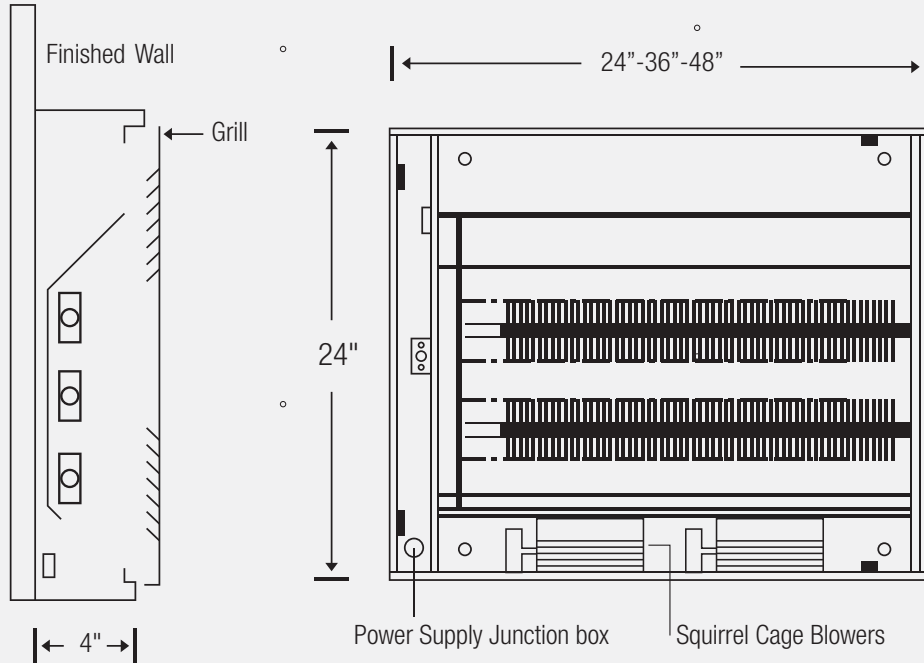
Blower and Motor: Up to 3 tangential cylindrical blowers, delivering 70 CFM each, shall be driven by a shaded pole, permanently lubricated, C-frame type motor with impedance protection and sealed bearings. Motors shall be the same voltage as the heater. All 480V units use 277V motors and contactors. This requires a neutral connection.

Approvals: cULus

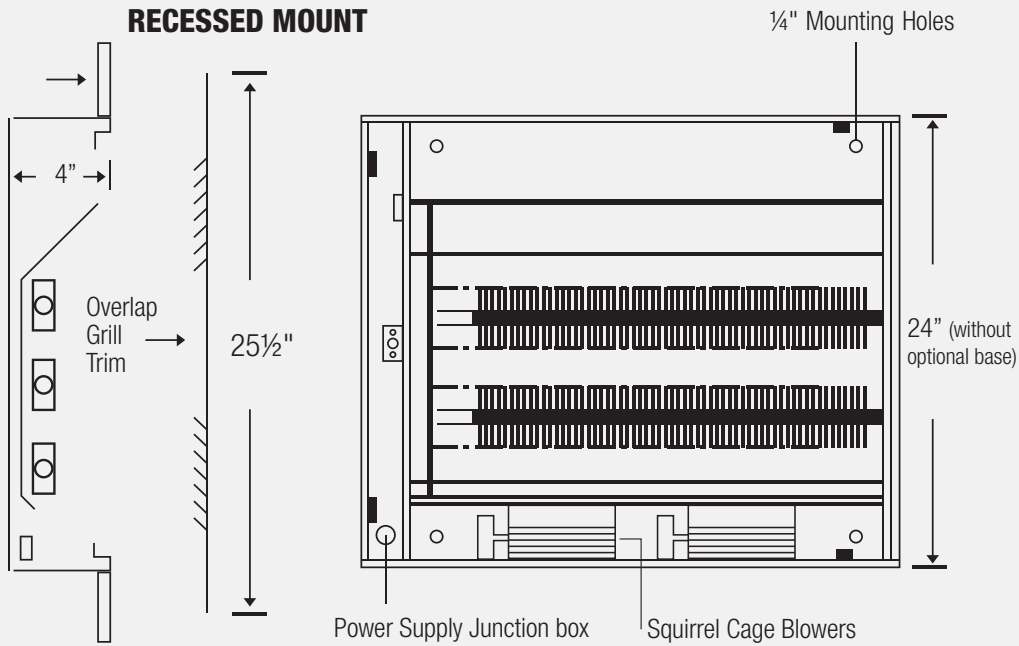
Safe Touch Cabinet Heater KCF Series

Mounting Data

SURFACE MOUNT



RECESSED MOUNT



MOUNTING NOTE: 1" minimum mounting height from finished floor to allow clearance for the grill overlap.