Model Code:

KCA	20	02	-3
A	B	C	D

A: Series
B: Volts 20-208V 24-240V
    27-277V 48-480V
C: Watts (2000-24000)
D: -1 phase -3 phase

- Tubular heating element with fins
- 240V/208V factory-lubricated motor (1/15 hp)
- Direct drive, variable speed squirrel-cage fan operating at 48dBA at low speed and 50 dBA at high speed
- 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-Phase
- Fan Delay

- Available in 4 lengths: 28" (711mm), 48" (1219"), 66" (1676mm), 80" (2032mm)
- High-limit temperature control with automatic reset
- Field changeable air inlet and outlet
- Maximum mounting height: 10 ft. (3m)
- Standard color: white (-BW)

- 5 year limited warranty
- 18 gauge steel
- Extruded aluminum grill
- 240V control circuit included
- Wide range of control options
- Multi-position mounting (surface, semi-recessed, recessed)

The KCA Series Cabinet Heater
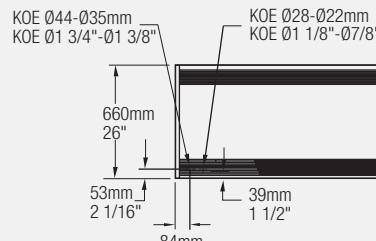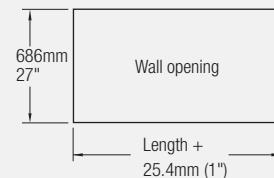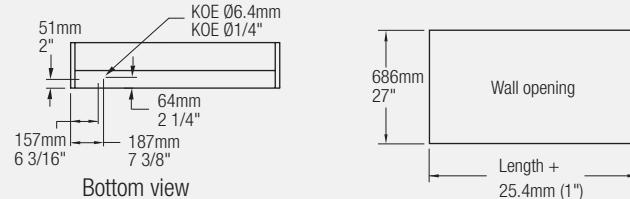
The KCA Cabinet Unit Heater offers a wide range of power ratings, voltage and control options in four cabinet sizes.
Most installations benefit from the heater's custom advantages. The cabinet heater can be mounted on the floor, wall or ceiling. It can also be recessed (wall or ceiling) as required. The fans are powered by 2-speed motors (Hi / Low option) with permanently lubricated sleeve bearings for many years of trouble-free service. The blower wheel is mounted directly on the motor shaft, which reduces the noise level. No belts or bearing blocks are required for the blowers.
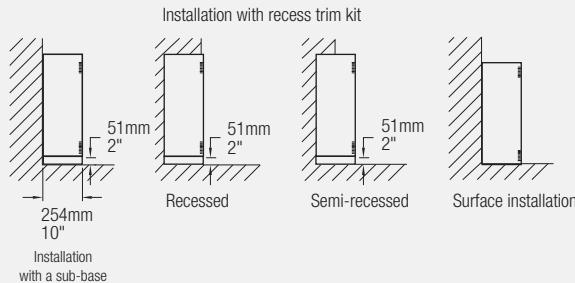
Accessories

| MODEL	DESCRIPTION
Sub-base 2"	
KCA-SO-28	28" (711 mm) cabinet
KCA-SO-48	48" (1219 mm) cabinet
KCA-SO-66	66" (1676 mm) cabinet
KCA-SO-80	80" (2032 mm) cabinet
Recess trim kit 2"	
KCA-CR-28	28" (711 mm) cabinet
KCA-CR-48	48" (1219 mm) cabinet
KCA-CR-66	66" (1676 mm) cabinet
KCA-CR-80	80" (2032 mm) cabinet
Air filter (wall mount only)	
KCA-FI-28	28" (711 mm) cabinet
KCA-FI-48	48" (1219 mm) cabinet
KCA-FI-66	66" (1676 mm) cabinet
KCA-FI-80	80" (2032 mm) cabinet
Washable air filter (wall installation only)	
KCA-FIW-28	28" (711 mm) cabinet
KCA-FIW-48	48" (1219 mm) cabinet
KCA-FIW-66	66" (1676 mm) cabinet
KCA-FIW-80	80" (2032 mm) cabinet
Special back plate (kit)	
KCA-DU-28	28" (711 mm) cabinet
KCA-DU-48	48" (1219 mm) cabinet
KCA-DU-66	66" (1676 mm) cabinet
KCA-DU-80	80" (2032 mm) cabinet

Dimensional Data

51mm
2"

KOE Ø6.4mm
KOE Ø1/4"

64mm
2 1/4"

157mm
6 3/16"

187mm
7 3/8"

Bottom view

686mm
27"

Wall opening

Length +
25.4mm (1")

KOE Ø44-Ø35mm
KOE Ø1 3/4"-Ø1 3/8"

KOE Ø28-Ø22mm
KOE Ø1 1/8"-Ø7/8"

660mm
26"

53mm
2 1/16"

39mm
1 1/2"

84mm
3 5/16"

Front view

Installation with recess trim kit

51mm
2"

51mm
2"

51mm
2"

Recessed

Semi-recessed

Surface installation

254mm
10"

Installation with a sub-base

Ordering Information

MODEL	VOLTS	WATTS (Hi)	WATTS (Lo)	CFM (Hi)	CFM (Lo)	LENGTH	SHIP WEIGHT lbs
KCAU2002-3*	208 (3ph)	2000	1333	250	200	28 in	115
KCAU2003-3*	208 (3ph)	3000	1000	250	200	28 in	115
KCAU2004-3*	208 (3ph)	4000	2667	250	200	28 in	115
KCAU2005-3*	208 (3ph)	5000	3333	250	200	28 in	115
KCAU2006-3*	208 (3ph)	6000	4000	250	200	28 in	115
KCAU2008-3*	208 (3ph)	8000	5333	500	400	48 in	146
KCAU2010-3*	208 (3ph)	10000	6667	500	400	48 in	146
KCAU2012-3*	208 (3ph)	12000	8000	500	400	48 in	146
KCAU2015-3*	208 (3ph)	15000	10000	750	600	66 in	210
KCAU2018-3*	208 (3ph)	18000	12000	750	600	66 in	210
KCAU2020-3*	208 (3ph)	20000	13333	1000	800	80 in	240
KCAU2024-3*	208 (3ph)	24000	16000	1000	800	80 in	240
KCAU2402-1	240 (1ph)	2000	1333	250	200	28 in	115
KCAU2403-1	240 (1ph)	3000	1000	250	200	28 in	115
KCAU2404-1	240 (1ph)	4000	2667	250	200	28 in	115
KCAU2405-1	240 (1ph)	5000	3333	250	200	28 in	115
KCAU2406-1	240 (1ph)	6000	4000	250	200	28 in	115
KCAU2408-1	240 (1ph)	8000	5333	500	400	48 in	146
KCAU2410-1	240 (1ph)	10000	6667	500	400	48 in	146
KCAU2412-1	240 (1ph)	12000	8000	500	400	48 in	146
KCAU2415-1	240 (1ph)	15000	10000	750	600	66 in	210
KCAU2418-1	240 (1ph)	18000	12000	750	600	66 in	210
KCAU2420-1	240 (1ph)	20000	13333	1000	800	80 in	240
KCAU2424-1	240 (1ph)	24000	16000	1000	800	80 in	240
KCAU2402-3	240 (3ph)	2000	1333	250	200	28 in	115
KCAU2403-3	240 (3ph)	3000	1000	250	200	28 in	115
KCAU2404-3	240 (3ph)	4000	2667	250	200	28 in	115
KCAU2405-3	240 (3ph)	5000	3333	250	200	28 in	115
KCAU2406-3	240 (3ph)	6000	4000	250	200	28 in	115
KCAU2408-3	240 (3ph)	8000	5333	500	400	48 in	146
KCAU2410-3	240 (3ph)	10000	6667	500	400	48 in	146
KCAU2412-3	240 (3ph)	12000	8000	500	400	48 in	146
KCAU2415-3	240 (3ph)	15000	10000	750	600	66 in	210
KCAU2418-3	240 (3ph)	18000	12000	750	600	66 in	210
KCAU2420-3	240 (3ph)	20000	13333	1000	800	80 in	240
KCAU2424-3	240 (3ph)	24000	16000	1000	800	80 in	240
KCAU2702-1	277 (1ph)	2000	1333	250	200	28 in	115
KCAU2703-1	277 (1ph)	3000	1000	250	200	28 in	115
KCAU2704-1	277 (1ph)	4000	2667	250	200	28 in	115
KCAU2705-1	277 (1ph)	5000	3333	250	200	28 in	115
KCAU2706-1	277 (1ph)	6000	4000	250	200	28 in	115
KCAU2708-1	277 (1ph)	8000	5333	500	400	48 in	146
KCAU2710-1	277 (1ph)	10000	6667	500	400	48 in	146
KCAU2712-1	277 (1ph)	12000	8000	500	400	48 in	146
KCAU4802-3*	480 (3ph)	2000	1333	250	200	28 in	115
KCAU4803-3*	480 (3ph)	3000	1000	250	200	28 in	115
KCAU4804-3*	480 (3ph)	4000	2667	250	200	28 in	115
KCAU4805-3*	480 (3ph)	5000	3333	250	200	28 in	115
KCAU4806-3*	480 (3ph)	6000	4000	250	200	28 in	115
KCAU4808-3*	480 (3ph)	8000	5333	500	400	48 in	146
KCAU4810-3*	480 (3ph)	10000	6667	500	400	48 in	146
KCAU4812-3*	480 (3ph)	12000	8000	500	400	48 in	146
KCAU4815-3*	480 (3ph)	15000	10000	750	600	66 in	210
KCAU4818-3*	480 (3ph)	18000	12000	750	600	66 in	210
KCAU4820-3*	480 (3ph)	20000	13333	1000	800	80 in	240
KCAU4824-3*	480 (3ph)	24000	16000	1000	800	80 in	240
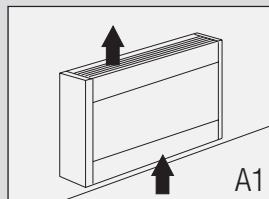
Add suffix (-A) for almond, (-AE) for Metallic Silver, (-BG) for Beige-Grey, (-BZ) for Bronze, (-CM) for Metallic Charcoal), (-NR) for Textured Black, (-AL) for Aluminum, (-NL) for Semi-Gloss Black
* 1-ph available upon request (change the -3 to a -1 in the product number).
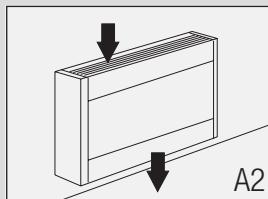
Commercial Cabinet Heater KCA Series

Mounting Applications

Top
A1

### Bottom
A2

Ceiling
A3

B1 B2 B3

C1 C2 C3

D1 D2 D3
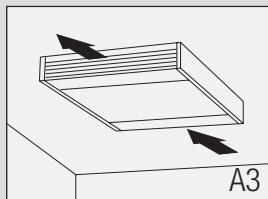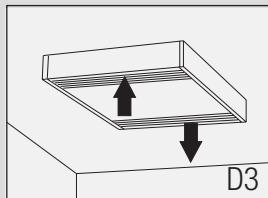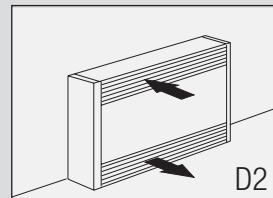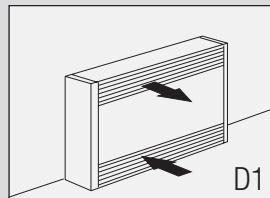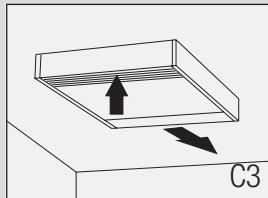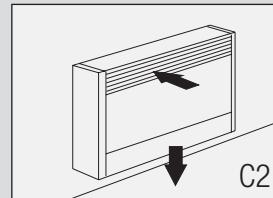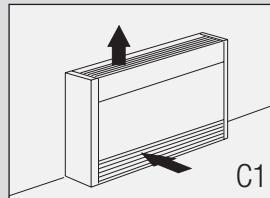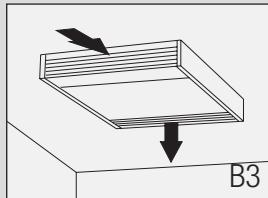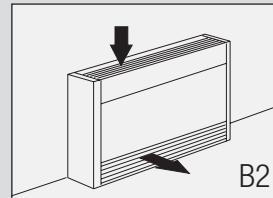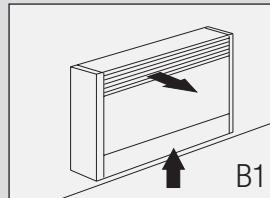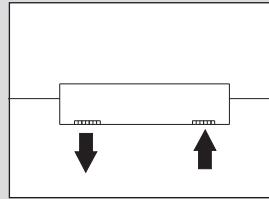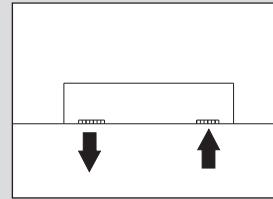
*If Mounting Configuration is not Specified on the Order, D1 will be used as our standard*

Ceiling
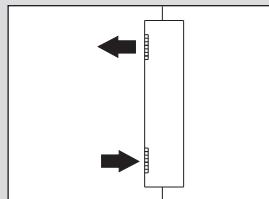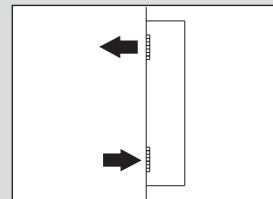
Semi-recessed   Recessed

(*D-type mounting only*)

Wall

Semi-recessed   Recessed

Control Options

MODEL	DESCRIPTION
KCA-RT	24V relay with transformer
KCA-R	24V relay without transformer
Product no-RV	Factory Installed 24V fan relay
Product no-RHL	Factory Installed 24V relay (Hi / Lo)
Product no-ROO	Factory Installed 24V relay (On / Stand by)
KCA-T-AV	Single-pole tamperproof thermostat
Product no-T2S	2-Stage tamperproof thermostat (Factory Installed Only)
Product no-DIS40	Factory Installed disconnect switch, 40A
Product no-DIS80	Factory Installed disconnect switch, 80A
Product no-IV	Factory Installed On / Auto switch
Product no-HL	Factory Installed Hi / Low switch
KCA-OO*	On / Off switch
Product no-AF***	Fresh air inlet
Product no-AFM***	Power operated fresh air inlet

***Do not install built-in thermostat with these options**

Engineering Specifications

Contractor shall supply and install KCA wall mounted forced-air electric cabinet heaters by King Electrical Mfg. Company, of the wattage and voltage as indicated on the plans.

Fan: Direct drive, variable speed squirrel-cage fan operating at 48dBA at low speed and 50 dBA at high speed

Thermostat: Wide range of control available.

Control Circuit: 240V control circuit.

Elements: Durable tubular heating element with fins.

Thermal Overload: High-limit temperature control with automatic reset.

Warranty: 5-year warranty against defects.

Fan Delay: Purges heater of residual heat (Any remote thermostat or relay must be connected to the heater control terminal block.)

Wall-box: 18-gauge steel construction. Minimum clearance from the floor and adjacent walls: 10".

Grill: Extruded aluminum bar grilles prevent insertion of foreign objects. Field adaptable air inlet and outlet.

Grill Colors: Standard: white, almond.

Optional (upcharge applicable): metallic silver, bronze, metallic charcoal, aluminum, semi-gloss black, sand

Finish: Standard: epoxy/polyester powder paint.

Options: Wired for remote thermostat, and surface wall-box.

Approvals: cCSAus