king

Smart Heating Solutions

MADE IN USA
With U.S. & Global Materials

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

Ceramic Core Baseboard Heater CB Series

Model Code:

2	CB	240	03	-HAL	-BW
A	B	C	D	E	F

A: Length
B: Series
C: 12 - 120V 24 - 240V 20 - 208V
D: Watts (350 to 1500)
E: Color (-BW) Bright White (-Al) Almond
F: -HAL (High Altitude Limit)

- High mass ceramic heating-core
- Natural convection heat
- Low density heat
- Quiet running
- Fluid-free design
- Standard color: bright white (optional almond color available)
- Available in three voltages 120V / 208V / 240V
- Available high altitude limit option
- 12 year limited warranty

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The CB Ceramic Core Baseboard Heater

King's premium ceramic baseboard has over 60 years of proven reliability and performance. The high mass ceramic element design far exceeds the performance of a standard baseboard with thermal storage from the ceramic core and more efficient heat transfer from oversized aluminum fins. The result is more gentle heating with fewer on/off cycles as the ceramic core slowly heats up and then continues to dissipate heat during the off cycle. Lower surface temperatures and reduced watt density making the heater much safer. A better alternative to water or oil-filled baseboard heaters that can leak due to high pressure created when heating the fluid in a self-contained vessel.

HIGH ALTITUDE OPTION
7,000 FT
ORDER - HAL OPTION

Ordering Information

* Add suffix (-BW) for optional Bright White color or suffix (-AL) for optional Almond color

	MODEL	VOLTS	WATTS	AMPS	LENGTH	SHIP WEIGHT lbs
120V	2CB1203	120	350	2.9	27"	7
	3CB1205	120	500	4.2	3 ft.	8
	4CB1207	120	750	6.3	4 ft.	10.5
	5CB1210	120	1000	8.3	5 ft.	13
	6CB1212	120	1250	10.4	6 ft.	16
208V	2CB2003	208	350	1.7	27"	7
	3CB2005	208	500	2.4	3 ft.	8
	4CB2007	208	750	3.6	4 ft.	10.5
	5CB2010	208	1000	4.8	5 ft.	13
	6CB2012	208	1250	6.0	6 ft.	16
	8CB2015	208	1500	7.2	8 ft.	20.5
240V	2CB2403	240/208*	350/263*	1.5/1.26*	27"	7
	3CB2405	240/208*	500/375*	2.1/1.8*	3 ft.	8
	4CB2407	240/208*	750/563*	3.1/2.7*	4 ft.	10.5
	5CB2410	240/208*	1000/750*	4.2/3.6*	5 ft.	13
	6CB2412	240/208*	1250/938*	5.2/4.5*	6 ft.	16
	8CB2415	240/208*	1500/1125*	6.3/5.4*	8 ft.	20.5

*Refer to accessories page for options
Note: Over 8500 ft Altitude 210 degree high limits will need to be used.

Factory Installed Options

ADD SUFFIX	DESCRIPTION	SHIP WEIGHT lbs
-HAL	High Altitude Limit (For Baseboards Used Above 7,000 Feet Altitude)	N/A
-BK	Optional Backwire Junction Box	N/A
-BW	Bright White Color	0
-AL	Almond Color	0

Accessories

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
BK-CVR-AL	55517	J-BoX Cover, K/CB Base Board, Blank, Almond	0.2
BK-CVR-BW	55518	J-Box Cover, K/CB Base Board, Blank, Bright White	0.2
BKT1-BW	11484	Built-In Thermostat Kit (SPST) - Bright White	0.6
BKT1-AL	20656	Built-In Thermostat Kit (SPST) - Almond	0.6
BKT2-BW	11488	Built-In Thermostat Kit (DPST) - Bright White	0.6
BKT2-AL	20657	Built-In Thermostat Kit (SPST) - Almond	0.6
BKT1-TP-BW	11542	Built-In Tamperproof Stat Kit (SPST) - Bright White	0.3
BKT1-TP-AL	22251	Built-In Tamperproof Stat Kit (SPST) - Almond	0.3

Ceramic Core Baseboard Heater CB Series

Accessories NON Cancel-able - NON Returnable item (NCNR)

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
BKT2-TP-BW	11544	Built-In Tamperproof Stat Kit (DPST) - Bright White	0.6
BKT2-TP-AL	33679	Built-In Tamperproof Stat Kit (DPST) - Almond	0.6
BKC-BW	11474	Corner Connector - inside cover Bright White	1.5
BKC-AL	11472	Corner Connector - inside cover Almond	1.5
BKR120-BW	11494	Duplex Cover Plate (includes 120V receptacle) Bright White	0.5
BKR120-AL	11492	Duplex Cover Plate (includes 120V receptacle) Bright White	0.5
BKLT120-BW*	11481	Load Transfer Cover Plate (Heat/Cool/Off) 120V Bright White	0.5
BKLT120-AL*	11480	Load Transfer Cover Plate (Heat/Cool/Off) 120V Almond	0.5
BKLT240-BW*	11483	Load Transfer Cover Plate (Heat/Cool/Off) 240V Bright White	0.5
BKLT240-AL*	11482	Load Transfer Cover Plate (Heat/Cool/Off) 240V - Almond	0.5
BKCB1-BW	11532	3-3/4" Relay Control Box Bright White	1.5
BKCB1-AL	11518	3-3/4" Relay Control Box Almond	1.5
BKCB2-BW	11534	7-1/8" Dual Relay Control Box Bright White	3.0
BKCB2-AL	11490	7-1/8" Dual Relay Control Box Almond	3.0
BKCB2-RS-BW	33676	7-1/8" Box w/ Disconnect Switch 10A/240V, 15A/125V Bright White	3.0
BKCB2-RS-AL	11485	7-1/8" Box w/ Disconnect Switch 10A/240V, 15A/125V Almond	3.0
BKCB1-T1-BW	33675	3-3/4" Junction Box w/SP Thermostat Bright White	1.5
BKCB1-T1-AL	11489	3-3/4" Junction Box w/SP Thermostat Almond	1.5
BKT1-BK-BW	11052	Accessory Back Wire SP Thermostat Kit Bright White	1.5
BKT1-BK-AL	33677	Accessory Back Wire SP Thermostat Kit Almond	1.5
BKT2-BK-BW	11053	Accessory Back Wire DP Thermostat Kit Bright White	1.5
BKT2-BK-AL	33678	Accessory Back Wire DP Thermostat Kit Almond	1.5
BK-TIMER3HR-BW	11487	3 Hour spring wound timer/wire leads 16 amp/250 Vac. 15 Amp/125 Vac.	0.6
BMR	10305	Accessory Manual Reset Safety Limit	0.6

*Requires BKCB1 Control box, order separately.

Shield Options NON Cancel-able - NON Returnable item (NCNR)

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
SHIELD-33 IN-BW	10280	Heater Shield for 27" Baseboard Bright White	6
SHIELD-33 IN-AL	10290	Heater Shield for 27" Baseboard Almond	6
SHIELD-42 IN-BW	10281	Heater Shield for 3' Baseboard Bright White	7
SHIELD-42 IN-AL	10291	Heater Shield for 3' Baseboard Almond	7
SHIELD-54 IN-BW	10282	Heater Shield for 4' Baseboard Bright White	8.5
SHIELD-54 IN-AL	10292	Heater Shield for 4' Baseboard Almond	8.5
SHIELD-66 IN-BW	10283	Heater Shield for 5' Baseboard Bright White	10
SHIELD-66 IN-AL	10293	Heater Shield for 5' Baseboard Almond	10
SHIELD-78 IN-BW	10284	Heater Shield for 6' Baseboard Bright White	11
SHIELD-78 IN-AL	10294	Heater Shield for 6' Baseboard Almond	11
SHIELD-102 IN-BW	10285	Heater Shield for 8' Baseboard Bright White	14
SHIELD-102 IN-AL	10295	Heater Shield for 8' Baseboard Almond	14

Cover Options NON Cancel-able - NON Returnable item (NCNR)

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
BB-18GA COVER 2 FT-BW	52054	18 Gauge Cover for 27" Baseboard Bright White	1.5
BB-18GA COVER 2 FT-AL	55515	18 Gauge Cover for 27" Baseboard Almond	1.5
BB-18GA COVER 3 FT-BW	52056	18 Gauge Cover for 3' Baseboard Bright White	2
BB-18GA COVER 3 FT-AL	33671	18 Gauge Cover for 3' Baseboard Almond	2
BB-18GA COVER 4 FT-BW	52058	18 Gauge Cover for 4' Baseboard Bright White	2.6
BB-18GA COVER 4 FT-AL	33672	18 Gauge Cover for 4' Baseboard Almond	2.6
BB-18GA COVER 5 FT-BW	52060	18 Gauge Cover for 5' Baseboard Bright White	3.7
BB-18GA COVER 5 FT-AL	33710	18 Gauge Cover for 5' Baseboard Almond	3.7

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Ceramic Core Baseboard Heater CB Series

Cover Options NON Cancel-able - NON Returnable item (NCNR)

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
BB-18GA COVER 6 FT-BW	52062	18 Gauge Cover for 6' Baseboard Bright White	4
BB-18GA COVER 6 FT-AL	33673	18 Gauge Cover for 6' Baseboard Almond	4
BB-18GA COVER 8 FT-BW	52064	18 Gauge Cover for 8' Baseboard Bright White	5.3
BB-18GA COVER 8 FT-AL	33674	18 Gauge Cover for 8' Baseboard Almond	5.3

Thermostats, Options & Accessories

BKR120-AL

BKT1-BW

BKT1-TP-BW

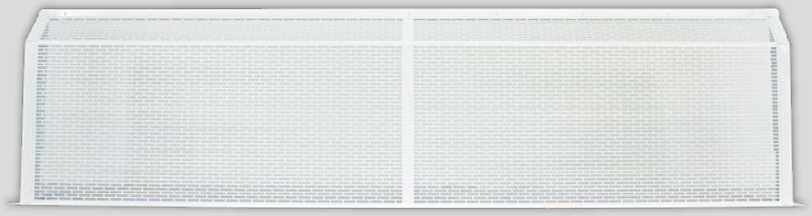
BKLT240*

*Shown with box

BKCB1

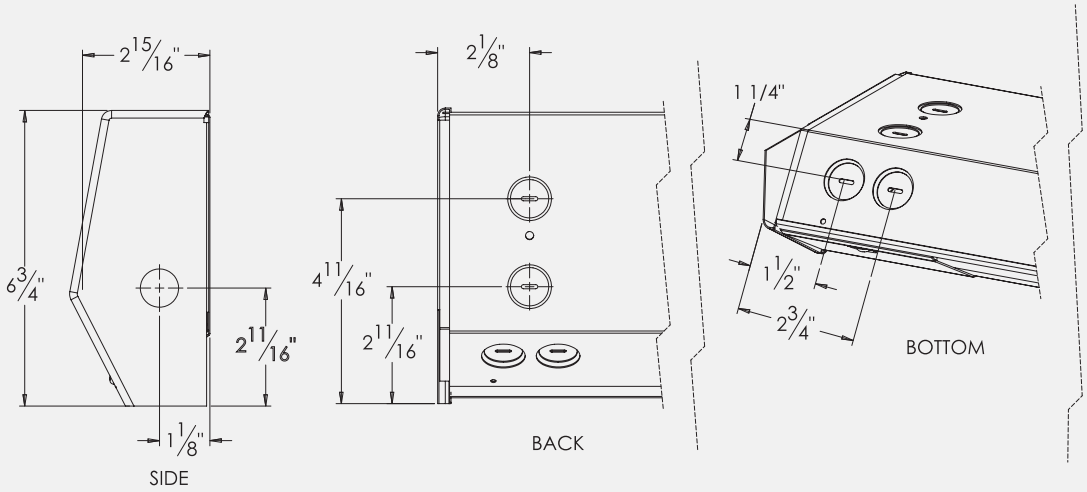
BKT-TIMER3HR-BW

Heater Shield



Dimensional Data

Standard Junction Box



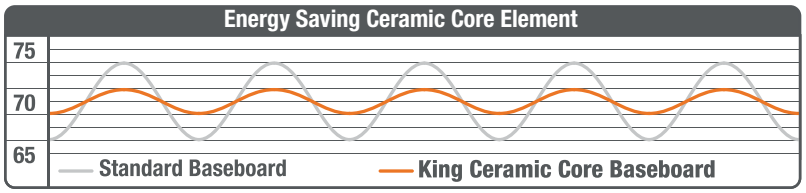
Ceramic Core Baseboard Heater CB Series

Over 60 years of Proven Performance

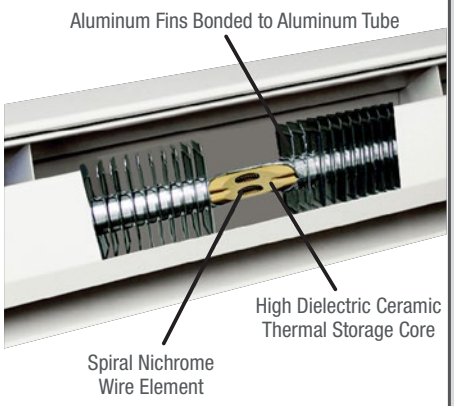
CB Baseboards Can Save Money on Your Heating Bills!

Ceramic Core Element (Liquid-Free Design)

The CB baseboard produces quiet convection heat with fewer on/off cycles as the ceramic core slowly heats up and then continues to dissipate heat during the off cycle which dramatically reduces the temperature swings associated with standard electric baseboards. Every one degree decrease in the thermostat setting results in approximately a 3% decrease in energy savings. The CB baseboard enables you to feel comfortable at a lower thermostat setting which can result in a 3% to 5% saving on your energy bills.

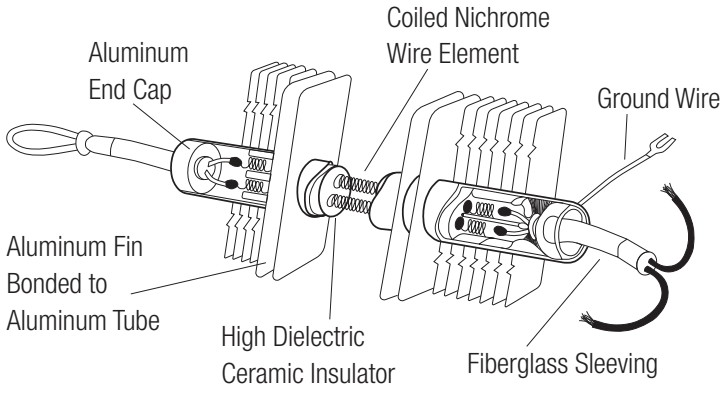


*Reduces temperature swings



When combined with an electronic thermostat the saving can be over 10% as the temperature swing will be decreased even more. The optimum results of up to 25% savings can be achieved with the CB heater and a programmable thermostat that will turn the temperature down automatically at bedtime and while you are away.
(Refer to King's broad selection of electronic line voltage thermostats)

Ceramic Core Element Diagram



Engineering Specifications

Contractor shall supply and install CB ceramic baseboard heaters, manufactured by King Electrical Mfg. Company. Heaters shall be of the wattage and voltage as indicated on the plans.

Typical Application: The rugged construction makes this a very durable heater suitable as a primary heat source for everyday use.
Element: The superior performance comes from the proven technology of the ceramic 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.
Safety: The large heating element and low watt density produce low surface temperatures making it very safe.
Thermal Cutout: A continuous capillary sensor extends the full length of the baseboard, turning the element off when an over temperature condition occurs. Automatically resets when the normal temperature returns. Optional manual reset available.
Construction: Expansion noise is eliminated by welding the junction boxes and element hangers to the baseboard case. 22 gauge steel adds strength across the entire length of the baseboard.
Quick Wiring: Identical junction boxes with knockouts in the rear, side and bottom allow the baseboard to be wired from either end. One screw makes quick access to the wiring compartment.
Exterior: Durable baked enamel finish. Colors include standard bright white with almond as an option. Custom colors are available upon request. Commercial Construction: Optional 18 gauge front cover for commercial use.
Options: Single Pole or Double Pole unit-mount thermostat 45°-80°F.
Quiet: The low temperature element heats cleanly and quietly.
Warranty: 12 year product warranty.
Approvals: cULus (E29778)

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