



KEEPING CANADIANS WARM  
FOR OVER 25 YEARS



CLEAN, SAFE & RELIABLE HEAT  
ELECTRIC BOILERS FOR WARM & HOT WATER APPLICATIONS



**LION ELECTRIC BOILERS™**

Manufactured in Canada 

Sizes from 3 to 30 kW and weighing about 40 kilograms with a tank size of approximately 2 gallons

## Sizes:

The boiler is available in 240 volt single phase; 208, 240, 480 and 600 volt 3 phase. Standard sizes are listed to the right. Single phase 208, 480 and 600 volt models are also available.

## Compact Size:

The size and light weight of the boiler allow for easy movement up or down stairwells and loading into or out of a vehicle. Installations are easy even when space is limited.

## Modulating Control:

The built-in control circuitry allows the boiler to operate on the minimum number of elements in order to maintain the desired temperature. This results in more even heating than with traditional systems.

## Features:

- Pressure Relief Valve, Pressure Temperature Gauge, and Air Vent included with all boilers.
- Ideal for all types of heating systems: radiant floor systems, radiators, baseboards, indirect water heating, and unit heaters.
- Perfect for both new installations and as a replacement for existing systems.
- Boiler can be mounted on the wall or floor.
- All elements are accessed from the top of the boiler.
- Built-in, easily adjustable controller for precise temperature control 20° to 75°C (70° to 170°F).
- Extra Heavy Duty wiring for greater reliability.
- Boiler is pre-wired with all controls for easy connection of external thermostat and circulating pump.
- Insulated tank.
- LED indicator lights on control board.
- All models are CSA approved for Hydronic Heating.
- Made in Canada.
- Ten year limited warranty on tank. Two year limited warranty on all other components.

## Options:

- Low Water Cut-Off Control: To prevent boiler from coming on if there is any loss of water.
- Certified Tank: Optional tank with CRN certification.
- Outdoor Reset Control: Available on our CEBR and CEBR2 series boilers. Water temperature is modified to better match heat requirements of the building depending on outside temperature. Outdoor Reset Control improves on modulating control by fine-tuning the water temperature of the boiler to match the weather outside.
- Two Thermostat Inputs: Available on our CEBR2 series boilers. One thermostat is for space heating. The other thermostat is for high temperature auxiliary heating such as domestic hot water. The auxiliary thermostat is prioritized at fixed temperature of 75°C (170°F).
- Load Management: Available as an option on both CEBR and CEBR2 series boilers. Heating elements are automatically shut off one at a time during periods of peak electrical consumption, and turned back on when electrical consumption subsides.

See our supplemental brochure for more information on these options.



Printed in Canada

## Specifications:

### Single Phase

MODEL	kW	VOLTS	AMPS	BREAKER	WIRE*	BTU	GPM
CEB-3	3	240	12.5	20	16	10,236	3
CEB-5	5	240	20.8	30	24	17,061	3
CEB-6	6	240	25.0	35	28	20,473	3
CEB-8	8	240	33.3	45	36	27,297	3
CEB-9	9	240	37.5	50	40	30,709	3
CEB-10	10	240	41.7	60	48	34,121	4
CEB-12	12	240	50.0	70	56	40,946	4
CEB-15	15	240	62.5	80	64	51,182	4
CEB-18	18	240	75.0	100	80	61,419	4
CEB-19	19	240	79.2	100	80	64,831	4
CEB-20	20	240	83.3	110	88	68,243	4
CEB-23	23	240	95.8	125	100	78,479	5
CEB-24	24	240	100.0	125	100	81,891	5
CEB-25	25	240	104.2	150	120	85,304	5
CEB-28	28	240	116.7	150	120	95,540	6

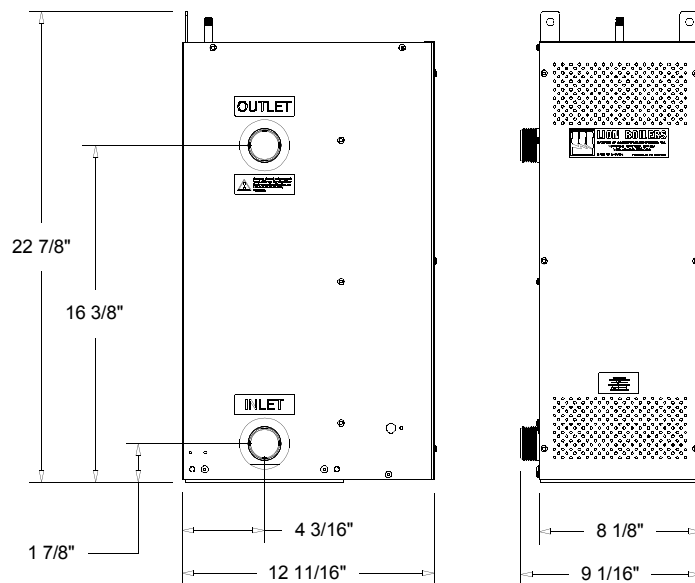
\*Minimum wire size in Amps

### Three Phase

MODEL	kW	VOLTS	AMPS	BREAKER	WIRE*	BTU	GPM
CEB-208-9	9	208	25	35	28	30,709	3
CEB-208-11	11.25	208	31.2	40	32	38,387	4
CEB-208-15	14.7	208	40.8	60	48	50,158	4
CEB-208-22	22.5	208	62.5	80	64	76,773	5
CEB-208-30	29.4	208	81.6	110	88	100,317	6
CEB-480-15	14.7	480	17.7	25	20	50,158	4
CEB-480-30	29.4	480	35.4	45	36	100,317	6
CEB-600-15	14.7	600	14.1	20	16	50,158	4
CEB-600-30	29.4	600	28.3	40	32	100,317	6

\*Minimum wire size in Amps

## Dimensions:



# LION BOILERS™

## Concept Manufacturing Inc.

P.O. Box 23008 RPO McGillivray Winnipeg, MB R3T 5S3  
PH. (204) 284-9111 | FX: (204) 284-9229

Call 1-800-465-4114 for sales or for a dealer in your area.

Visit our website at [www.lionboilers.com](http://www.lionboilers.com)

Email queries to [sales@lionboilers.com](mailto:sales@lionboilers.com)

Product design and literature are copyright® by:  
Concept Manufacturing Inc.

All specifications are subject to change without notice.