



2060 Whitfield Park Ave  
Sarasota FL 34243  
1-800-TANKLESS or 800-826-5537  
941.755.6529 FAX  
EMAIL INFO@HOTWATERHEATER.COM



This commercial heater is the smallest of our 12 element line. At 164 K BTUs per hour it has a wide range of uses and configuration possibilities. The three phase 480 option is a highly efficient choice for this heater. At a 45 degree temperature rise the unit will heat 7.3 gallons per minute.

MODEL NAME

CE 48 KW

FEATURES	DATA
Phase of electricity required	Three
Full load AMP draw at available three phase Voltages	n/a means not available
Full load Amp draw at 575	n/a
Full load Amp draw at 480	57
Full load Amp draw at 240	115
Full load Amp Draw at 208	133
Y or Delta configuration for 480 volt units	Delta
In/out pipe size	3/4 or 1"
Heat Exchanger material	304 SS
Enclosure size W x H x D	16 x 32 x 8
Area needed to install and repair	43 x 56 x 40
Enclosure size including fittings	22.5 x 44 x 8
Enclosure rating	NEMA 3, NEMA 4 available
Mounted at customer site via	Brackets at top and bottom of box
Efficiency	98.90%
Operating pressure range	0-150 PSI
BTU output per hour	163,776
Temperature output maximum	185
Output temperature settings available	60 to 185 F
Output temperature adjustable	Yes, 1 degree increments
Temperature output minimum	60
Freeze protection	Yes Standard
Number of overtemp protections	three
Individually fused elements	Yes
RS 232 interface available	Yes
Minimum flow to engage	2.0
Maximum flow at 60 PSI	32
Shipping weight	90
Shipping box size	44 x 21 x 14
Shipping mode	2 years electrical parts
Warranty	5 years on heat exchanger



CUT SHEET

**Units Covered**

CE Series	CES Series	CERO Series
48 KW	48 KW	54 KW
54 KW	54 KW	72 KW
60 KW	60 KW	
72 KW	72 KW	

Unit Weight - 110 lbs

**Unit Dimensions and Mechanical Info**

**Install Instructions for 12 element CE, CES and CERO Series heater**

- Remove the front and top cover of the heater.
- Mount heater to the wall using the brackets provided.
- Insert the air separator, "AS", which was shipped inside the heater box with the owners manual.
- Connect hot and cold water to 3/4 in and out and the pressure relief valve to the drain.
- The customer needs to recheck the water connection to the unit.
- Connect electrical lines one thru three and ground to the heater. There is one entry point to the box on the bottom and one on each side. Verify the breaker and wire size on engineering sheet.
- Based on size of heater and settings.
- Flow water thru the heater for 20 seconds.
- Check the delay switch setting and change if desired. The factory setting is 1 minute. Once the water pressure reading is above 3 PSI the delay timer starts and the heater comes on after the delay timer has elapsed.
- Turn on the breaker.
- Replace cover.
- Turn on the switch to the heater.
- Wait the 1 minute for the pressure switch to engage or whatever disturbance you used if you changed the delay timeframe.
- Set desired temperature level using the toggle switch.
- Remove cover to check temperature setting, adjust as necessary, and replace the cover.

**Notes:**

- Red Lines represent customer supplied pipe or electrical
- Main Power can come in from the bottom or either side

<b>Tankless, Inc.</b>			
<b>CE, CES, CERO Series</b>			
<b>12 Element Heater</b>			
DATE	REV	NOTES	DESIGN
01/10/10	01/10/10	01/10/10	01/10/10

SUGGESTED SPECIFICATION

Tankless Water Heater shall be a Tankless Inc. model \_\_\_\_\_, with \_\_\_\_\_ KW, and \_\_\_\_\_ vac to heat \_\_\_\_\_ GPM@ a temperature rise of \_\_\_\_\_ degrees F. Heating elements shall have an incoloy sheath. Heater shall have 3/4" or larger NPT fittings and have stainless steel heat exchangers and internal plumbing. Hot water storage tanks prohibited. Heating unit will be a Tankless, Inc. product or approved equal.