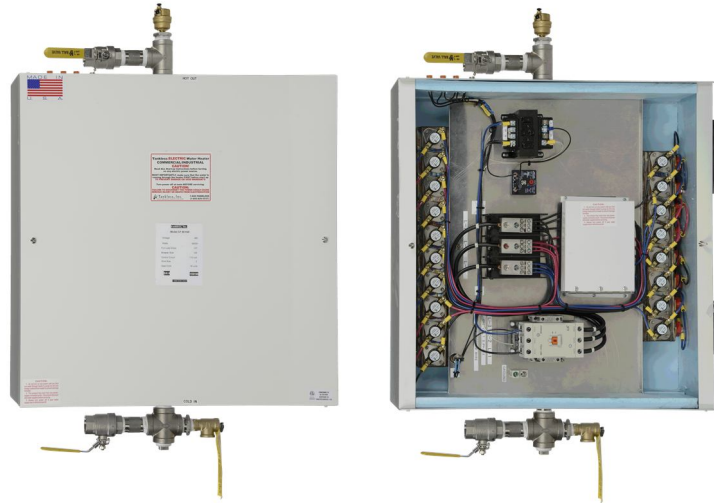


At 276K BTU per hour there are many large applications where this large water heater is a good fit. The unit has 18 elements and comes in all standard voltages.

**MODEL NAME**

**CF 81 KW**

FEATURES	DATA
Phase of electricity required	Three
Full load AMP draw at available three phase Voltages	
N/A means this voltage is not available in this model	
Full load Amp draw at 575	N/A
Full load Amp draw at 480	97
Full load Amp draw at 380	122
Full load Amp draw at 240	194
Full load Amp Draw at 208	225
Y or Delta configuration for 480 volt units	Delta
In/out pipe size	1"
Heat Exchanger material	304 SS
Enclosure size W x H x D	25.5 x 24 x 9.25
Area needed to install and repair	43.5 x 52.25 x 40
Enclosure size including fittings	25.5 x 36 x 9.25
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	276,372
Temperature output maximum	200
Output temperature settings available	90,110,125,145,155,185,200
Output temperature adjustable	No, With the optional ETC you can adjust the temperature in recirculation systems
Temperature output minimum	90
Freeze protection	Optional
Minimum flow to engage	2 G.P.M. with optional flow switch, 0 without the switch
Number of overtemp protections	Two
Individually fused elements	Yes
Maximum flow in G.P.M. at 60 PSI	42
Shipping weight in Lbs.	125
Shipping box size	skid only
Shipping mode	truck
Warranty	2 years electrical parts 5 years on heat exchanger



**CUT SHEET**

**Units Covered**  
CF Series  
81 KW  
90 KW  
108 KW  
Unit Weight - 125 lbs

**Unit Dimensions and Mechanical Info**

**Install Instructions for 18 element CF Series heater**

- Remove the front service cover of the heater.
- Mount heater to the wall using the brackets provided at the holes in the back of the base.
- Insert the air separator, "A", which was also inside the heater box with the heater's manifold.
- Connect hot and cold water and the pressure relief valve to the drain.
- Hot water flow direction and hot for leaks and fix leaks.
- Connect electrical wires to the heater and ground in back heater. There is one entry point to the base on the bottom and one on each side. Verify the bracket and wire size on engineering sheet based on size of heater and voltage.
- Run 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 1 PSI the delay timer starts and the heater comes on after the delay time has elapsed.
- Test on the brackets.
- Replace cover.
- Test on the manifold to the heater.
- Wait the 1 minute for the pressure switch to engage or whatever time/area you need if you changed the delay time/area.

**Notes:**  
1. Field Users represent customer supplied pipe at electrical  
2. Main Power can come in from the bottom or other side

<b>Tankless, Inc.</b>	
<b>CF Series 18 Element Heater</b>	
DATE	REV
DATE	REV
DATE	REV

**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.