



Hot water. Perfected.

TC Commercial Series

The Water Heater Evolved.

Introducing trutankless — the most innovative tankless water heating technology. For years, we've worked closely with industry professionals to gather insights into tankless heating systems. The result? Cutting-edge technology that takes the tankless industry to a new level of sophistication. Energy conservation, long-term savings and endless hot water are what your customers want and that's exactly what our forward-thinking system delivers.

Notable Features

- : .99 Energy Factor Rating
- : Self-flushing design eliminates most maintenance requirements
- : Ceramic insulation over robust copper heat exchanger
- : Custom Incoloy 800 elements from Zoppas Industries – superior hard water performance and longevity
- : Threaded elements for ease of service or replacement
- : Safety redundancy – temperature and pressure relief, solid-state relays and software monitoring
- : Freeze protection
- : Each unit is pressure tested at the factory
- : Load balancing – multiple units will communicate to manage power consumption across system
- : Load shedding – reduce peak power consumption by managing other high demand appliances
- : Smart grid capable – compatible with existing grid management infrastructure
- : Leak detection shuts down heating elements
- : Can bank multiple units for larger applications
- : Compatible with Recirculation Pumps > .2GPM

Warranty

- : Lifetime Limited Warranty on Heat Exchanger
- : 3-Year Parts Warranty



State of the Art Features

- : Plug & Play Set-up: Unit detects and supports 208 VAC for commercial applications
- : Wi-Fi compatible
- : Enterprise API of all data available
- : Remote firmware updates
- : Installer Dashboard
 - Automates service call notifications
 - Offers rea-time support
 - Usage log and fault history available
 - Digital Documentation Resources
- : User App (Available for iOS and Android phones and tablets)
 - Remote temperature setting
 - Leak detection with notification
 - Error notifications
 - Usage Reports



trutankless : Specifications



Electrical Data

Voltage	208 VAC
Phase	Single, 60 Hz
Wattage	12.5 - 33.3 kW
Max. Amp, Load	160A
Min. Circuit Breaker Size	(See Table)
Required Wire Size	(See Table)

Inlet Water Data

Max. Inlet Temperature °F (°C)	131 (55)
Water Flow to Activate Unit = GPM (=LPM)	0.2 (.76)
Max. Working Pressure PSI (bar)	80 (5.5)
Tested to Pressure PSI (bar)	150 (10.34)

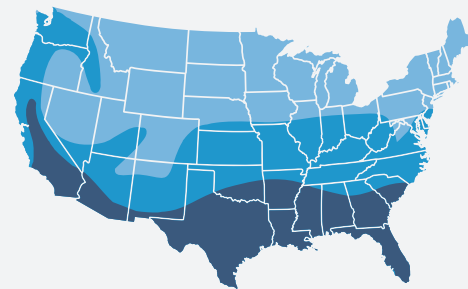
Specifications

Max kW Setting	Height	Width	Depth	Weight	Amperage	Voltage Range	kW	Main Panel Size	Breakers (two pole)	*Wire	Plumbing Fittings
33 kW	17.2"	23.74"	5.5"	35.9 lbs	160	208	33.3	300+ Amp	(2) 80A	(4) 1/0	Threaded 3/4" NPT
25 kW	17.2"	23.74"	5.5"	35.9 lbs	120	208	25.0	200 Amp	(1) 125A	(2) #2 AWG	Threaded 3/4" NPT
21 kW	17.2"	23.74"	5.5"	35.9 lbs	100	208	20.8	200 Amp	(1) 100 A	(2) #2 AWG	Threaded 3/4" NPT
17 kW	17.2"	23.74"	5.5"	35.9 lbs	80	208	16.6	150A	(1) 80A	(2) #4 AWG	Threaded 3/4" NPT
12 kW	17.2"	23.74"	5.5"	35.9 lbs	60	208	12.5	125A	(1) 60A	(2) #6 AWG	Threaded 3/4" NPT

*Wiring: Copper recommended. Follow local and national electrical codes.

Sizing Chart (F° / GPM)

Max kW Setting	75° Rise	65° Rise	55° Rise	45° Rise	35° Rise
33 kW	2.8	3.2	3.9	4.6	6.2
25 kW	2.1	2.5	2.9	3.5	4.6
21 kW	1.7	2.0	2.4	2.8	3.7
17 kW	1.3	1.5	1.8	2.2	2.9
12 kW	1.1	1.3	1.5	1.8	2.4



Northern Zone
Avg. Ground Water
Temp: 37°F to 51°F



Central Zone
Avg. Ground Water
Temp: 52°F to 61°F



Southern Zone
Avg. Ground Water
Temp: 62°F to 77°F

Certifications



Membership and Associations



Call 855-TO-BUY-TRU to learn about the company's complete residential and commercial lineup.

855-TO-BUY-TRU : trutankless.com