



Hot water. Perfected.

TR

Residential 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
- : Comfort and economy modes
- : Ceramic insulation over robust copper heat exchanger
- : Custom Incoloy 9000 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
- : Easy to specify with full suite of design files

### Optional Equipment

- : Leak Detection with Automatic Water Cutoff Valve
- : Cold Climate Comfort Package
- : Recirculation Pump
- : Showerstart™ Water Saver



### State of the Art Features

- : Plug & Play Set-up: Unit detects and supports voltages ranging from 220-240 VAC
- : Wi-Fi compatible
- : Compatible with home automation
- : Remote firmware updates
- : Installer App (Available for iOS and Android phones and tablets)
  - Automates service call notifications
  - Offers live support
  - Remote diagnostics
  - Usage log and fault history
- : User App (Available for iOS and Android phones and tablets)
  - Remote temperature setting
  - Leak detection with notification
  - Error notifications
  - Manage user parameters
  - Calendar Settings – define max. power consumption according to certain days and/or time of day

### Warranty

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

# trutankless : Specifications



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## Electrical Data

Voltage	220 - 240 VAC
Phase	Single, 50/60 Hz
Wattage	14.4 - 36.0 kW
Max. Amp, Load	160A
Min. Circuit Breaker Size	(See Table)
Required Wire Size	(See Table)

## Inlet Water Data

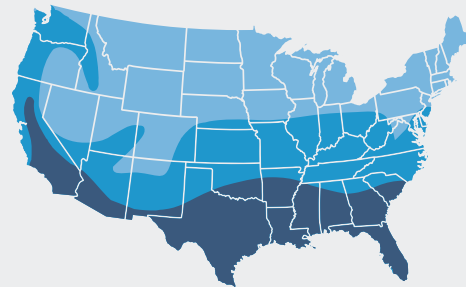
Max. Inlet Temperature °F (°C)	131 (55)
Water Flow to Activate Unit = GPM (=LPM)	0.2 (.76)
Max. GPM = GPM (= LPM)	7.5 (28)
Max. Working Pressure PSI (bar)	80 (5.5)
Tested to Pressure PSI (bar)	150 (10.34)

## Specifications

MAX kW Setting	Height	Width	Depth	Weight	Amperage	Voltage Range	kW Range	Main Panel Size	Breakers (two pole)	Copper Wire [optional]	Plumbing Fittings
36 kW	17.2"	23.74"	5.5"	35.3 lbs	160	220 - 240	31.8 - 36.0	300+ Amp	(2) 80A	(4) #4 AWG	Threaded 3/4" NPT
29 kW	17.2"	23.74"	5.5"	35.3 lbs	120	220 - 240	26.4 - 28.8	200 Amp	(1) 125A [(2) 60A]	(2) #2 AWG [(4) #6 AWG]	Threaded 3/4" NPT
24 kW	17.2"	23.74"	5.5"	35.3 lbs	100	220 - 240	22.0 - 24.0	200 Amp	(1) 100 A [(2) 50A]	(2) #2 AWG [(4) #6 AWG]	Threaded 3/4" NPT
20 kW	17.2"	23.74"	5.5"	35.3 lbs	80	220 - 240	17.6 - 19.2	150A	(1) 80A [(2) 40A]	(2) #4 AWG [(4) #8 AWG]	Threaded 3/4" NPT
14 kW	17.2"	23.74"	5.5"	35.3 lbs	60	220 - 240	13.2 - 14.4	125A	(1) 60A [(2) 30A]	(2) #6 AWG [(4) #8 AWG]	Threaded 3/4" NPT

## Sizing Chart (F° / GPM)

MAX kW Setting	75° Rise	65° Rise	55° Rise	45° Rise	35° Rise
36 kW	3.0	3.5	4.4	5.3	7.5
29 kW	2.4	2.8	3.3	4.0	5.9
24 kW	2.0	2.4	2.7	3.3	4.9
20 kW	1.7	2.0	2.2	2.6	3.9
14 kW	1.3	1.5	1.6	2.0	2.9



**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.

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