Series Two™, "TC"

Staged Models (Two Heating Modules) with Thermostatic Control

Specifications
Tankless Electric Water Heater

Applications

- Single or multi-fixture
- Commercial/Industrial
- Adjustable temperature setting with +/–1°F temperature stability
- Solar backup with FS option

Features

- Turns on in stages based on hot water demand
- On demand hot water
- Continuous hot water. No storage capacity to run out
- Reduces installation cost and material. No T&P relief valve needed (check local codes) or venting
- Easy installation with integral 3/4" NPT fittings
- Cut energy waste. Flow switch activates heater only on demand (no standby heat loss)
- Two glass-fiber reinforced heater bodies and nichrome elements – a unique, patented flow path ensures optimum heat transfer and extended element life
- Warranty, five (5) years limited on leaks, one (1) year parts
- Field serviceable replaceable cartridge element
- Unit mounts on wall
- High temperature limit switch

Optional Features

- Factory set ambient to 180°F (FS)
- Multi lavs 0.3 turn on. Staged up to 4 lavs 105°F-110°F temp setting (ML)
- Sanitation 180°F (S)
- N4, N4X (304SS) enclosures

Product Specifications

Dimensions:	10.25" x 10.75" x 4.5"
Weight:	10.5 lb
Cover:	Enameled steel
Color:	White
Element:	Dual replacement cartridge inserts Thermostatic control (+/-1°F) accuracy at steady state
Fittings:	3/4" NPT fittings at bottom of unit
Min. Operating Pressure:	40 PSI
Max. Operating Pressure:	150 PSI
UL listed file number:	E86887

U.S. Patent #'s: 4,762,980 and 4,960,976

Special Design Service

Inquiries for units for unique applications are welcome.
Call our Technical Service department at **1 800 543 6163**.



NO LEAD*
*The wetted surface of this product contacted by water contains less than 0.25% lead and meets NSF/ANSI 372

LOW LEAD CONTENT

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Suggested Specification

Tankless water heater shall be an Eemax Series Two model number EX_____.

Heater shall have two heating modules. Element shall be replaceable cartridge insert. Unit shall have a replaceable filter in the inlet connector. Heater shall be fitted with 3/4" NPT water connections. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.
NOTE: Refer to rating chart for product information.

Heater available with the following features:

_____ **FS**	Factory set to a prespecified target temperature between 95°F - 180°F
_____**ML**	Multi lavs 0.3 turn on. Staged up to 4 lavs 110°F temp setting
_____ **S**	Sanitation 180°F
_____ **N4**	NEMA 4 steel cabinet with powder coat finish
_____ **N4X**	NEMA 4 stainless steel, corrosion-resistant cabinet

NOTE: Unit should not be used in a recirculation application. Contact an EEMAX representative for alternative recommendations.

Information and product specifications contained in this document are subject to change without notice. REV 2026
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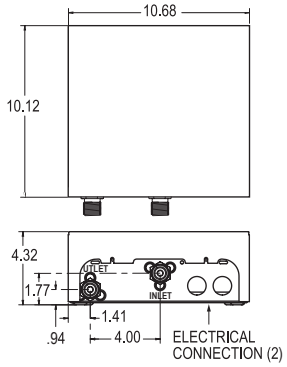
Specifications
Tankless Electric Water Heater

Suffix Definitions

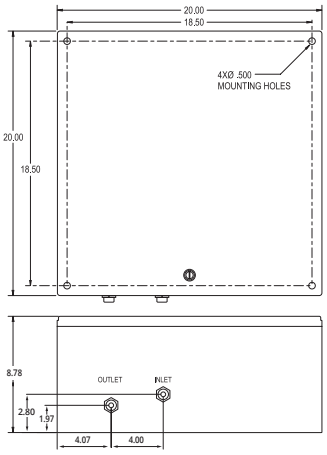
FS Factory set up to 180°F

ML "ML" 0.3 turn on. Staged up to 4 lavs 105°F - 110°F temp setting, aerators supplied

S Sanitation 180°F



NEMA 4/4X



	MODEL NUMBER	kW	TOTAL AMP DRAW	CIRCUITS REQUIRED X BREAKER SIZE	TURN ON (GPM)	RECOMMENDED WIRE SIZE (75° C/CU)	MAX FLOW GPM	TEMPERATURE RISE °F 1.5 GPM	2.0 GPM	2.5 GPM	3.0 GPM
	VOLTS 240 Single Phase††										
C	**EX144TC**	15.0	64	(2x40)	0.7	10 AWG	3.0	68°	51°	41°	34°
C	**EX144TC** (derated 208V performance)	11.2	54	(2x40)	0.7	10 AWG	3.0	51°	38°	31°	26°
C	**EX144TC S**	15.0	64	(2x40)	0.7	10 AWG	3.0	68°	51°	41°	34°
C	**EX144TC ML**	15.0	64	(2x40)	0.3	10 AWG	3.0	68°	51°	41°	34°
C	**EX144TC FS**	15.0	64	(2x40)	0.7	10 AWG	3.0	68°	51°	41°	34°
C	**EX190TC**	19.0	80	(2x40)	0.7	8 AWG	3.0	87°	65°	52°	43°
C	**EX190TC** (derated 208V performance)	13.7	66	(2x40)	0.7	8 AWG	3.0	63°	47°	38°	31°
C	**EX190TC S**	19.0	80	(2x40)	0.7	8 AWG	3.0	87°	65°	52°	43°
C	**EX190TC FS**	19.0	80	(2x40)	0.7	8 AWG	3.0	87°	65°	52°	43°
C	**EX190TC ML**	19.0	80	(2x40)	0.3	8 AWG	3.0	87°	65°	52°	43°
	EX023240TC	23.0	96	(2x50)	0.7	8 AWG	3.0	105°	79°	63°	52°
	EX023240TC (derated 208V performance)	17.3	83	(2x50)	0.7	8 AWG	3.0	79°	59°	47°	39°
	EX023240TC S	23.0	96	(2x50)	0.7	8 AWG	3.0	105°	79°	63°	52°
	EX023240TC FS	23.0	96	(2x50)	0.7	8 AWG	3.0	105°	79°	63°	52°
	EX023240TC ML	23.0	96	(2x50)	0.3	8 AWG	3.0	105°	79°	63°	52°
	VOLTS 208 Single Phase††										
C	**EX1608TC**	16.6	80	(2x40)	0.7	8 AWG	3.0	76°	57°	45°	38°
C	**EX1608TC S**	16.6	80	(2x40)	0.7	8 AWG	3.0	76°	57°	45°	38°
C	**EX1608TC FS**	16.6	80	(2x40)	0.7	8 AWG	3.0	76°	57°	45°	38°
C	**EX1608TC ML**	16.6	80	(2x40)	0.3	8 AWG	3.0	76°	57°	45°	38°
	VOLTS 277 Single Phase										
	EX160TC	16.0	58	(2x30)	0.7	10 AWG	3.0	73°	55°	44°	36°
	EX160TC S	16.0	58	(2x30)	0.7	10 AWG	3.0	73°	55°	44°	36°
	EX160TC FS	16.0	58	(2x30)	0.7	10 AWG	3.0	73°	55°	44°	36°
	EX160TC ML	16.0	58	(2x30)	0.3	10 AWG	3.0	73°	55°	44°	36°
	EX200TC	20.0	72	(2x40)	0.7	8 AWG	3.0	91°	68°	55°	46°
	EX200TC S	20.0	72	(2x40)	0.7	8 AWG	3.0	91°	68°	55°	46°
	EX200TC FS	20.0	72	(2x40)	0.7	8 AWG	3.0	91°	68°	55°	46°
	EX200TC ML	20.0	72	(2x40)	0.3	8 AWG	3.0	91°	68°	55°	46°

* 240V units can be used on 208V single phase with approximately 25% reduced kilowatt output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

†† ATTENTION: Under no circumstances can Series Two be connected to a 208 V or 240 V three phase load center. Connection to any three phase load center will void all warranty coverage.

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