

## Series Three™

Staged or Parallel Models (Three Heating Modules) Thermostatic Control

## Specifications

Tankless Electric Water Heater

### Applications

- Residential or commercial multi-fixture unit with capacity up to 5 GPM

### Features

- On demand hot water. Cuts energy waste. No stand-by heat loss.
- Thermostatic control. Microprocessor provides stable outlet temperatures
- Regulates power to required flow
- Continuous hot water. No storage capacity to run out
- Reduces installation cost and material. Requires only one cold water input line, no solder connections. No T&P relief valve needed (check local codes) or venting
- Easy installation with integral 3/4" NPT fittings
- Three 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

### Optional Features

- T2T – Staged heating elements
- T3 – Parallel heating elements. Recommended for commercial uses only
- Factory set up to 180° (FS)
- "ML" 0.3 turn on. Staged up to 4 lavs 105°F - 110°F temp setting, aerators supplied (ML)
- Sanitation 180°F (S)
- N4, N4X (304SS) enclosures

### Product Specifications

<b>Dimensions:</b>	15.25" x 12.25" x 4.5"
<b>Weight:</b>	15 lb
<b>Cover:</b>	Enameled steel
<b>Color:</b>	White
<b>Element:</b>	Triple replaceable cartridge inserts. Thermostatic control (+/-1°F) accuracy at steady state
<b>Fittings:</b>	3/4" NPT at bottom of unit
<b>Min. Operating Pressure:</b>	45 PSI
<b>Max. Operating Pressure:</b>	150 PSI
<b>UL listed file number:</b>	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**.



\*The wetted surface of this product contacted by water contains less than 0.25% lead and meets NSF/ANSI 372



### Suggested Specification

Tankless water heater shall be an Eemax Series Three model number EX280\_\_\_\_\_.

Element shall be field serviceable, 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.

Enclosure to be fitted with the following features:

<b>FS</b>	Factory set to a prespecified target temperature between 95°F -180°F
<b>ML</b>	"ML" 0.3 turn on. Staged up to 4 lavs 105°F - 110°F temp setting, aerators supplied
<b>S</b>	Sanitation 180°F
<b>N4</b>	NEMA 4 steel cabinet with powder coat finish
<b>N4X</b>	NEMA 4 stainless steel, corrosion-resistant cabinet

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

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Tankless Electric Water Heater

### Suffix Definitions

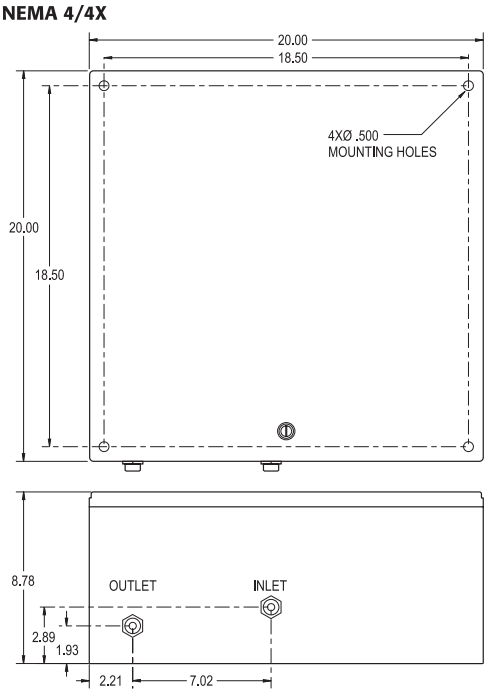
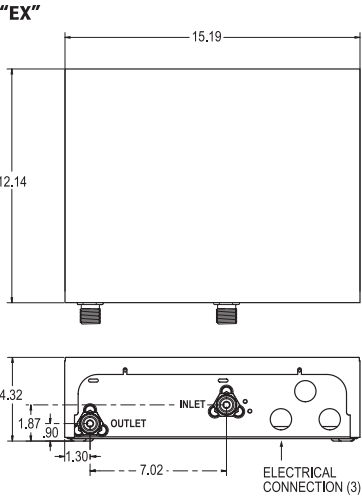
- T2T** Staged heating elements
- T3** Parallel heating elements
- FS** Factory set to a prespecified target temperature between 95°F -180°F
- ML** “ML” 0.3 turn on. Staged up to 4 lvs 105°F - 110°F temp setting, aerators supplied
- S** Sanitation 180°F

							TEMPERATURE RISE °F				
MODEL NUMBER		KW	TOTAL AMP DRAW	CIRCUITS REQUIRED X BREAKER SIZE	TURN ON (GPM)	RECOMMENDED WIRE SIZE (75° C/CU)	MAX FLOW GPM	2.5 GPM	3.0 GPM	4.0 GPM	5.0 GPM
VOLTS 240' Single Phase††											
C	EX280T2T	28.5	119	(3X40)	0.7	8 AWG	4.0	78°	65°	49°	–
C	EX280T2T (derated 208V performance)	20.6	99	(3X40)	0.7	8 AWG	4.0	56°	47°	35°	–
C	EX280T2T ML	28.5	119	(3X40)	0.3	8 AWG	4.0	78°	65°	49°	–
C	EX280T2T FS	28.5	119	(3X40)	0.7	8 AWG	4.0	78°	65°	49°	–
C	EX280T2T S	28.5	119	(3X40)	0.7	8 AWG	4.0	78°	65°	49°	–
C	EX280T3	28.5	119	(3X40)	2.0	8 AWG	5.0	78°	65°	49°	39°
C	EX280T3 (derated 208V performance)	20.6	99	(3X40)	2.0	8 AWG	5.0	56°	47°	35°	28°
C	EX280T3 S	28.5	119	(3X40)	2.0	8 AWG	5.0	78°	65°	49°	39°
C	EX280T3 FS	28.5	119	(3X40)	2.0	8 AWG	5.0	78°	65°	49°	39°
CNL Models††											
C	EX280T2T CNL	28.5	119	(1X120)	0.7	1 AWG	4.0	78°	65°	49°	–
C	EX280T2T ML CNL	28.5	119	(1X120)	0.3	1 AWG	4.0	78°	65°	49°	–
C	EX280T2T FS CNL	28.5	119	(1X120)	0.7	1 AWG	4.0	78°	65°	49°	–
C	EX280T2T S CNL	28.5	119	(1X120)	0.7	1 AWG	4.0	78°	65°	49°	–
C	EX280T3 CNL	28.5	119	(1X120)	0.7	1 AWG	5.0	78°	65°	49°	39°

\* 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. CNL SKUs are Canada specific.

† † ATTENTION: Under no circumstances can Series Three 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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