

# 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 4 GPM

### Performance 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
- Unit mounts on wall
- High temperature limit switch

### Optional Features

- T2T – Staged heating elements
- T3 – Parallel heating elements. Recommended for commercial uses only
- Factory set ambient to 180° (FS)
- Multi lavs. Staged up to 4 lavs (60°F-180°F) 110°F temp setting, 0.3 GPM turn on, 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 (5/8" OD) or 3/4" NPT adapter
<b>Min. Dynamic Operating Pressure:</b>	45 PSI
<b>Max. Dynamic 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**.



**NO LEAD**

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

Assembled



In USA



### Suggested Specification

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

Heater shall have three 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.

Enclosure to be fitted with the following features:

___ <b>FS</b>	Factory set ambient to 180°F
___ <b>ML</b>	Multi lavs 0.3 turn on. Staged up to 4 lavs 110°F temp setting
___ <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

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## Specifications

Tankless Electric Water Heater

### Suffix Definitions

<b>T2T</b>	Staged heating elements
<b>T3</b>	Parallel heating elements
<b>FS</b>	Factory set ambient to 180°F
<b>ML</b>	Multi laves 0.3 turn on. Staged up to 6 laves 105°F-110°F temp setting
<b>S</b>	Sanitation 180°F

							TEMPERATURE RISE °F			
	MODEL NUMBER	KW	AMPS	RECOMMENDED WIRE SIZE (75° C/CU)	TURN-ON (GPM)	MAX FLOW (GPM)	2.5 GPM	3.0 GPM	4.0 GPM	5.0 GPM
<b>VOLTS 240*</b>										
C	<b>EX280T2T</b>	28.5	119(3X40)	8 AWG	0.7	4.0	78°	65°	49°	—
C	<b>EX280T2T</b> (derated 208V performance)	20.9	100(3X33)	8 AWG	0.7	4.0	57°	48°	36°	—
C	<b>EX280T2T ML</b>	28.5	119(3X40)	8 AWG	0.3	4.0	78°	65°	49°	—
C	<b>EX280T2T FS</b>	28.5	119(3X40)	8 AWG	0.7	4.0	78°	65°	49°	—
C	<b>EX280T2T S</b>	28.5	119(3X40)	8 AWG	0.7	4.0	78°	65°	49°	—
C	<b>EX280T3</b>	28.5	119(3X40)	8 AWG	2.0	5.0	78°	65°	49°	39°
C	<b>EX280T3</b> (derated 208V performance)	20.9	100(3X33)	8 AWG	2.0	5.0	57°	48°	36°	29°
C	<b>EX280T3 S</b>	28.5	119(3X40)	8 AWG	2.0	5.0	78°	65°	49°	39°
C	<b>EX280T3 FS</b>	28.5	119(3X40)	8 AWG	2.0	5.0	78°	65°	49°	39°
<b>CNL Models</b>										
C	<b>EX280T2T CNL</b>	28.5	119	1 AWG	0.7	4.0	78°	65°	49°	—
C	<b>EX280T2T ML CNL</b>	28.5	119	1 AWG	0.3	4.0	78°	65°	49°	—
C	<b>EX280T2T FS CNL</b>	28.5	119	1 AWG	0.7	4.0	78°	65°	49°	—
C	<b>EX280T2T S CNL</b>	28.5	119	1 AWG	0.7	4.0	78°	65°	49°	—
C	<b>EX280T3 CNL</b>	28.5	119	1 AWG	2.0	5.0	78°	65°	49°	39°

\* 240V units can be used on 208V single phase with 25% reduced temperature 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.

