

# Series Three, Residential/Commercial

Staged or parallel models (Three heating modules) thermostatic control

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Whole house, multi fixture 4 GPM unit has capacity to handle up to two showers at a time
- Jetted bathtub booster (T3 option)

### Performance Features

- On demand hot water. Cuts energy waste. No stand-by heat loss. 99% efficiency rating
- Thermostatic control. Microprocessor provides precise 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
- Reduces calcification and sedimentation
- Three glass-fiber reinforced heater bodies and Ni Chrome elements – a unique, patented flow path ensures optimum heat transfer and extended element life
- Warranty – Five (5) years leaks and one (1) year on parts. Field serviceable replaceable cartridge element, one (1) year
- Unit mounts on wall
- High temperature limit switch

### Optional Features

- T2T – Staged heating elements. Turn on min. flow 0.7 GPM, max. flow 4 GPM (ML units – 0.3 GPM turn on - 110°F max.)
- T3 – Parallel heating elements. **Turn on min. flow 1.8 GPM, max. flow 5 GPM.** 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 180F° (S)
- N4, N4X (304SS) enclosures

### Product Specifications

<b>Dimensions</b>	15 1/4" x 12 1/4" x 4 1/4"
<b>Weight</b>	15 lbs
<b>Operating Pressure</b>	Min. 45 PSI, max. 150 PSI
<b>Cover</b>	Enameled Steel
<b>Color</b>	White
<b>Element</b>	Triple replaceable cartridge inserts. Thermostatic control (+/-1°F) accuracy
<b>Pipe Fitting</b>	3/4" NPT at bottom of unit. (5/8" OD) or 3/4" NPT Adapter
<b>UL listed</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 ANSI/NSF 372



### 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:

- \_\_\_ **T2T** Staged heating elements
- \_\_\_ **T3** Parallel heating elements
- \_\_\_ **FS** Factory set ambient to 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 waterproof cabinet w/powder coat finish
- \_\_\_ **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet

# Series Three Residential/Commercial

For Commercial and Industrial Applications

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

- T2T** Staged heating elements
- T3** Parallel heating elements
- EE** Meets ANSI Z358.1 emergency eye/face wash tepid water requirements
- FS** Factory set ambient to 180°F
- ML** Multi lvs 0.3 turn on. Staged up to 6 lvs 105°F-110°F temp setting
- S** Sanitation 180°F

MODEL NUMBER	kW	AMPS	RECOMMENDED WIRE SIZE (CU)	TEMPERATURE RISE °F			
				2.5 GPM	3.0 GPM	4.0 GPM	5.0 GPM T3 ONLY
<b>VOLTS 240*</b>							
C <b>EX280T2T</b>	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	—
C <b>EX280T2T</b> (derated 208V performance)	20.9	100(3X33)A	*	57°	48°	36°	—
C <b>EX280T2T ML</b>	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	—
C <b>EX280T2T FS</b>	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	—
C <b>EX280T2T S</b>	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	—
C <b>EX280T3</b>	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	38°
C <b>EX280T3</b> (derated 208V performance)	20.9	100(3X33)A	*	57°	48°	36°	49°
C <b>EX280T3 S</b>	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	38°
C <b>EX280T3 FS</b>	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	38°
<b>CNL Models</b>							
C <b>EX280T2T CNL</b>	28.5	120 A	1 AWG	76°	65°	49°	—
C <b>EX280T2T ML CNL</b>	28.5	120 A	1 AWG	76°	65°	49°	—
C <b>EX280T2T FS CNL</b>	28.5	120 A	1 AWG	76°	65°	49°	—
C <b>EX280T2T S CNL</b>	28.5	120 A	1 AWG	76°	65°	49°	—
C <b>EX280T3 CNL</b>	28.5	120 A	1 AWG	76°	65°	49°	38°

\* 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.

