Three Phase™

Triple Module, Commercial/Industrial Thermostatic 3-Phase Heater

Specifications
Tankless Electric Water Heater

Applications

- Eye/face wash (EE option)
- Where tepid water is needed
- Multiple lavatories (ML option)
- Restaurants and other food service requirements
- Booster applications
- Manufacturing and wash down processes
- Commercial and industrial

Features

- Available electrical models are 480V Delta (ED models) or 208V Delta (EX models) no neutral leg required
- Fitted with 1/2" compression fittings and electrical entry on the bottom
- Built in over temp protection
- Flow switch activates heater only on demand (no standby heat loss)
- Factory set temperature available. Range ambient to 180°F
- Capacity to 5 GPM (T3 only), 4 GPM (T2T)
- Thermostatic control. Microprocessor provides stable outlet temperatures
- Warranty, five (5) years limited on leaks, one (1) year parts
- Field serviceable replaceable cartridge element
- Standard temperature is 120°F

Optional Features

- Emergency eye/face wash ANSI Z358.1 (EE)
- Factory set to a prespecified target temperature between 180°F - 180°F (FS)
- "ML" 0.3 turn on. Staged up to 4 lavs 105°F - 110°F temp setting, aerators supplied
- Sanitation 180°F (S)
- N4, N4X (304SS) enclosures

Product Specifications

Dimensions:	18.25" x 12.25" x 4.5"
Weight:	15 lb
Cover:	Powder Coated Steel
Color:	White
Element:	Triple replaceable Nichrome cartridge elements insert
Fittings:	1/2" compression fittings at bottom of unit
Min. Operating Pressure:	45 PSI
Max. Operating Pressure:	150 PSI

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**.

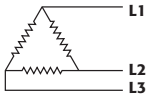


LISTED

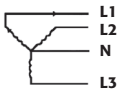
NO LEAD*
*The wetted surface of this product contacted by water contains less than 0.25% lead and meets NSF/ANSI 372

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Electrical configuration and requirements
All Eemax three phase units are custom made to order and as such, are non-returnable and non-refundable. Check your electrical supply, making sure all criteria for operating your Eemax water heater are met.



Three Phase is compatible with both Delta and Wye electrical configuration requirements.
When installing Three Phase to a Wye electrical configuration, the neutral leg is not used.



Suggested Specification

Tankless water heater shall be an Eemax "Three Phase" model number _____.

Element shall be replaceable cartridge insert. Element shall be iron free, Nickel Chrome material. Heater shall be fitted with 1/2" compression fittings. Heater shall be installed upright with water connections on bottom. 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:

_____ **EE**	Emergency Eyewash. Meets ANSI tepid water requirements
_____ **FS**	Factory Set. Customer specified factory-set not to exceed temperature 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. Factory preset not to exceed temperature of 180°F
_____ **N4**	NEMA 4 steel cabinet with powder coat finish
_____ **N4X**	NEMA 4 stainless steel, corrosion-resistant cabinet
EX68031-16	Disconnect Switch (see page 38 - 41)

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Triple Module, Commercial/Industrial Thermostatic 3-Phase Heater

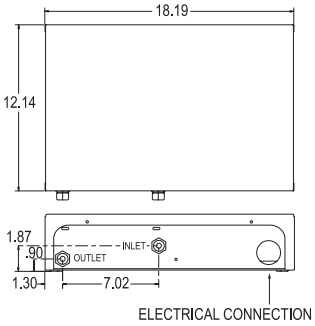
Suffix Definitions

EE Meets ANSI Z358.1 emergency eye/face wash tepid water requirements

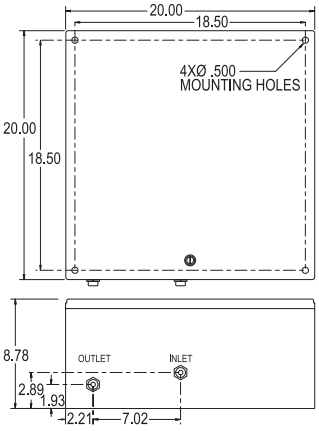
FS Factory set to a prespecified target temperature between 95°F - 180°F

ML Multi lavs 0.3 turn on. Staged up to 4 lavs 105°F-110°F temp setting

S Sanitation 180°F



NEMA 4/4X*



	MODEL NUMBER	kW	AMPS PER PHASE	TURN ON (GPM)	RECOMMENDED WIRE SIZE (75° C/CU)	MAX FLOW GPM	TEMPERATURE RISE °F 2.0 GPM	2.5 GPM	3.0 GPM	4.0 GPM	5.0 GPM
	VOLTS 208 Three Phase Delta††										
C	**EX180T2T**	18	50/phase	0.7	8 AWG	4.0	61°	49°	41°	31°	–
C	**EX180T2T EE**	18	50/phase	0.7	8 AWG	4.0	†	49°	41°	31°	–
C	**EX180T2T S**	18	50/phase	0.7	8 AWG	4.0	61°	49°	41°	31°	–
C	**EX180T2T ML**	18	50/phase	0.3	8 AWG	4.0	61°	49°	41°	31°	–
C	**EX180T2T FS**	18	50/phase	0.7	8 AWG	4.0	61°	49°	41°	31°	–
C	**EX180T3**	18	50/phase	2.0	8 AWG	5.0	61°	49°	41°	31°	25°
C	**EX180T3 EE**	18	50/phase	2.0	8 AWG	5.0	†	49°	41°	31°	25°
C	**EX180T3 S**	18	50/phase	2.0	8 AWG	5.0	61°	49°	41°	31°	25°
C	**EX180T3 FS**	18	50/phase	2.0	8 AWG	5.0	61°	49°	41°	31°	25°
C	**EX240T2T**	24	67/phase	0.7	4 AWG	4.0	82°	66°	55°	41°	–
C	**EX240T2T EE**	24	67/phase	0.7	4 AWG	4.0	†	†	55°	41°	–
C	**EX240T2T S**	24	67/phase	0.7	4 AWG	4.0	82°	66°	55°	41°	–
C	**EX240T2T ML**	24	67/phase	0.3	4 AWG	4.0	82°	66°	55°	41°	–
C	**EX240T2T FS**	24	67/phase	0.7	4 AWG	4.0	82°	66°	55°	41°	–
C	**EX240T3**	24	67/phase	2.0	4 AWG	5.0	82°	66°	55°	41°	33°
C	**EX240T3 EE**	24	67/phase	2.0	4 AWG	5.0	†	†	55°	41°	33°
C	**EX240T3 S**	24	67/phase	2.0	4 AWG	5.0	82°	66°	55°	41°	33°
C	**EX240T3 FS**	24	67/phase	2.0	4 AWG	5.0	82°	66°	55°	41°	33°
	VOLTS 480 Three Phase Delta										
	ED020480T2T	20	24/phase	0.7	10 AWG	4.0	68°	55°	46°	34°	–
	ED020480T2T EE	20	24/phase	0.7	10 AWG	4.0	68°	55°	46°	34°	–
	ED020480T2T S	20	24/phase	0.7	10 AWG	4.0	68°	55°	46°	34°	–
	ED020480T2T ML	20	24/phase	0.3	10 AWG	4.0	68°	55°	46°	34°	–
	ED020480T2T FS	20	24/phase	0.7	10 AWG	4.0	68°	55°	46°	34°	–
	ED020480T3	20	24/phase	2.0	10 AWG	5.0	68°	55°	46°	34°	27°
	ED020480T3 EE	20	24/phase	1.0	10 AWG	5.0	†	55°	46°	34°	27°
	ED020480T3 S	20	24/phase	2.0	10 AWG	5.0	68°	55°	46°	34°	27°
	ED024480T2T	24	29/phase	0.7	10 AWG	4.0	82°	66°	55°	41°	–
	ED024480T2T S	24	29/phase	0.7	10 AWG	4.0	82°	66°	55°	41°	–
	ED024480T2T ML	24	29/phase	0.3	10 AWG	4.0	82°	66°	55°	41°	–
	ED024480T2T FS	24	29/phase	0.7	10 AWG	4.0	82°	66°	55°	41°	–
	ED024480T3	24	29/phase	2.0	10 AWG	5.0	82°	66°	55°	41°	33°
	ED024480T3 EE	24	29/phase	1.0	10 AWG	5.0	†	†	55°	41°	33°
	ED024480T3 S	24	29/phase	2.0	10 AWG	5.0	82°	66°	55°	41°	33°
	ED032480T2T	32	38/phase	0.7	8 AWG	4.0	109°	87°	73°	55°	–
	ED032480T2T S	32	38/phase	0.7	8 AWG	4.0	109°	87°	73°	55°	–
	ED032480T2T ML	32	38/phase	0.3	8 AWG	4.0	109°	87°	73°	55°	–
	ED032480T2T FS	32	38/phase	0.7	8 AWG	4.0	109°	87°	73°	55°	–
	ED032480T3	32	38/phase	2.0	8 AWG	5.0	109°	87°	73°	55°	44°
	ED032480T3 EE	32	38/phase	1.0	8 AWG	5.0	†	†	†	55°	44°
	ED032480T3 S	32	38/phase	2.0	8 AWG	5.0	109°	87°	73°	55°	44°
	ED032480T3 FS	32	38/phase	2.0	8 AWG	5.0	109°	87°	73°	55°	44°

†Temperature electronically limited to factory preset not to exceed temperature.
"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

*Refer to page 43 of this specification guide for more details regarding selection.
† † ATTENTION: Under no circumstances can Three Phase be connected to a 240 V three phase load center.

Disconnect Switch Applications

EX68031-15	EX68031-16
ED020480T2T, ED020480T3, ED024480T2T, ED02J424480T3	EX180T2T, EX180T3, ED032480T2T, ED032480T3

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