

Three Phase™

Triple Module, Commercial/Industrial Thermostatic 3-Phase Heater

Specifications

Tankless Electric Water Heater

Applications

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

Performance Features

- Hot or cold water feed
- 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)
- Save water – "Point of use application"
- Continuous hot water – no storage capacity to run out
- 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

Optional Features

- Emergency eye/face wash ANSI Z358.1 (EE)
- Factory set ambient to 180°F (FS)
- Multi lavs 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:

| | |
|---|---|
| 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. Dynamic Operating Pressure: | 25 PSI |
| Max. Dynamic 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**.



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

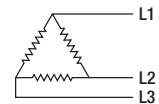


Electrical configuration and requirements

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.

Eemax 600V, 480V and 208V Three Phase Units Delta Configuration

Requires: 3 Lives and 1 Ground (earth)



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 ambient to 180°F
- ___ **ML** Multi lavs 0.3 GPM 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

Three Phase

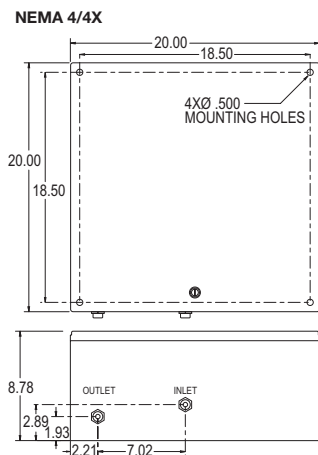
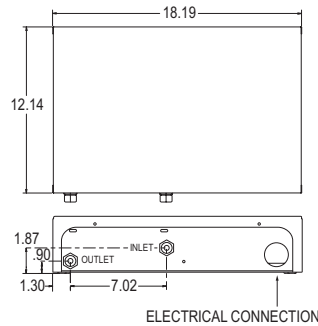
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Specifications

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Suffix Definitions

| | |
|-----------|--|
| EE | Meets ANSI Z358.1 emergency eye/face wash tepid water requirements |
| FS | Factory set ambient to 180°F |
| ML | Multi lavs 0.3 turn on. Staged up to 4 lavs 105°F-110°F temp setting |
| S | Sanitation 180°F |



| MODEL NUMBER | KW | AMPS PER PHASE | RECOMMENDED WIRE SIZE (75° C/CU) | TURN-ON (GPM) | 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 | 8 AWG | 0.7 | 4.0 | 61° | 49° | 41° | 31° | – |
| C EX180T2T EE | 18 | 50/phase | 8 AWG | 0.7 | 4.0 | † | 49° | 41° | 31° | – |
| C EX180T2T S | 18 | 50/phase | 8 AWG | 0.7 | 4.0 | 61° | 49° | 41° | 31° | – |
| C EX180T2T ML | 18 | 50/phase | 8 AWG | 0.3 | 4.0 | 61° | 49° | 41° | 31° | – |
| C EX180T2T FS | 18 | 50/phase | 8 AWG | 0.7 | 4.0 | 61° | 49° | 41° | 31° | – |
| C EX180T3 | 18 | 50/phase | 8 AWG | 2.0 | 5.0 | 61° | 49° | 41° | 31° | 25° |
| C EX180T3 EE | 18 | 50/phase | 8 AWG | 2.0 | 5.0 | † | 49° | 41° | 31° | 25° |
| C EX180T3 S | 18 | 50/phase | 8 AWG | 2.0 | 5.0 | 61° | 49° | 41° | 31° | 25° |
| C EX180T3 FS | 18 | 50/phase | 8 AWG | 2.0 | 5.0 | 61° | 49° | 41° | 31° | 25° |
| C EX240T2T | 24 | 67/phase | 4 AWG | 0.7 | 4.0 | 82° | 66° | 55° | 41° | – |
| C EX240T2T EE | 24 | 67/phase | 4 AWG | 0.7 | 4.0 | † | † | 55° | 41° | – |
| C EX240T2T S | 24 | 67/phase | 4 AWG | 0.7 | 4.0 | 82° | 66° | 55° | 41° | – |
| C EX240T2T ML | 24 | 67/phase | 4 AWG | 0.3 | 4.0 | 82° | 66° | 55° | 41° | – |
| C EX240T2T FS | 24 | 67/phase | 4 AWG | 0.7 | 4.0 | 82° | 66° | 55° | 41° | – |
| C EX240T3 | 24 | 67/phase | 4 AWG | 2.0 | 5.0 | 82° | 66° | 55° | 41° | 33° |
| C EX240T3 EE | 24 | 67/phase | 4 AWG | 2.0 | 5.0 | † | † | 55° | 41° | 33° |
| C EX240T3 S | 24 | 67/phase | 4 AWG | 2.0 | 5.0 | 82° | 66° | 55° | 41° | 33° |
| C EX240T3 FS | 24 | 67/phase | 4 AWG | 2.0 | 5.0 | 82° | 66° | 55° | 41° | 33° |
| VOLTS 480 Three Phase Delta | | | | | | | | | | |
| ED020480T2T | 20 | 24/phase | 10 AWG | 0.7 | 4.0 | 68° | 55° | 46° | 34° | – |
| ED020480T2T S | 20 | 24/phase | 10 AWG | 0.7 | 4.0 | 68° | 55° | 46° | 34° | – |
| ED020480T2T ML | 20 | 24/phase | 10 AWG | 0.3 | 4.0 | 68° | 55° | 46° | 34° | – |
| ED020480T2T FS | 20 | 24/phase | 10 AWG | 0.7 | 4.0 | 68° | 55° | 46° | 34° | – |
| ED020480T3 | 20 | 24/phase | 10 AWG | 2.0 | 5.0 | 68° | 55° | 46° | 34° | 27° |
| ED020480T3 EE | 20 | 24/phase | 10 AWG | 1.0 | 5.0 | † | † | 55° | 46° | 27° |
| ED020480T3 S | 20 | 24/phase | 10 AWG | 2.0 | 5.0 | 68° | 55° | 46° | 34° | 27° |
| ED024480T2T | 24 | 29/phase | 10 AWG | 0.7 | 4.0 | 82° | 66° | 55° | 41° | – |
| ED024480T2T S | 24 | 29/phase | 10 AWG | 0.7 | 4.0 | 82° | 66° | 55° | 41° | – |
| ED024480T2T ML | 24 | 29/phase | 10 AWG | 0.3 | 4.0 | 82° | 66° | 55° | 41° | – |
| ED024480T2T FS | 24 | 29/phase | 10 AWG | 0.7 | 4.0 | 82° | 66° | 55° | 41° | – |
| ED024480T3 | 24 | 29/phase | 10 AWG | 2.0 | 5.0 | 82° | 66° | 55° | 41° | 33° |
| ED024480T3 EE | 24 | 29/phase | 10 AWG | 1.0 | 5.0 | † | † | 55° | 41° | 33° |
| ED024480T3 S | 24 | 29/phase | 10 AWG | 2.0 | 5.0 | 82° | 66° | 55° | 41° | 33° |
| ED032480T2T | 32 | 38/phase | 8 AWG | 0.7 | 4.0 | 109° | 87° | 73° | 55° | – |
| ED032480T2T S | 32 | 38/phase | 8 AWG | 0.7 | 4.0 | 109° | 87° | 73° | 55° | – |
| ED032480T2T ML | 32 | 38/phase | 8 AWG | 0.3 | 4.0 | 109° | 87° | 73° | 55° | – |
| ED032480T2T FS | 32 | 38/phase | 8 AWG | 0.7 | 4.0 | 109° | 87° | 73° | 55° | – |
| ED032480T3 | 32 | 38/phase | 8 AWG | 2.0 | 5.0 | 109° | 87° | 73° | 55° | 44° |
| ED032480T3 EE | 32 | 38/phase | 8 AWG | 1.0 | 5.0 | † | † | † | 55° | 44° |
| ED032480T3 S | 32 | 38/phase | 8 AWG | 2.0 | 5.0 | 109° | 87° | 73° | 55° | 44° |
| ED032480T3 FS | 32 | 38/phase | 8 AWG | 2.0 | 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. CNL SKUs are Canada specific.