

# ELECTRIC TANKLESS WATER HEATERS

2/07

## MODELS:

### “SERIES TWELVE” (12 HEATING MODULES)

Model	Turn On Options	Thermostatic Options	Volts	kW	Amps/Phase
EX480T12	EFD,DS	S,FS	480Y/277V (neutral leg required)	48	58A
EX720T12	EFD,DS	S,FS	480Y/277V (neutral leg required)	72	87A
EX960T12	EFD,DS	S,FS	480Y/277V (neutral leg required)	96	116A
EX1080T12	EFD,DS	S,FS	480Y/277V (neutral leg required)	108	130A
EX1260T12	EFD,DS	S,FS	480Y/277V (neutral leg required)	126	156A
EX480T12	EFD,DS	S,FS	208V/3Ø (no neutral leg)	48	133A
EX720T12	EFD,DS	S,FS	208V/3 Ø (no neutral leg)	72	200A
EX960T12	EFD,DS	S,FS	208V/3 Ø (no neutral leg)	96	267A

“Series Twelve”


 EX (T12) ☐ DS  
☐ EFD/Combo

## SPECIFICATION OPTIONS

### Activation Turn On Options

- ☐ EFD/Combo = For combination Eye/Face Drench Shower  
 First Stage 4 GPM turn on (1/2 kW power) Eye/Face  
 Second Stage 15 GPM turn on (full kW power) Drench Shower
- ☐ DS = For Drench Shower only. (min. turn on 12 GPM)

### Thermostatic Options

- ☐ S = Sanitation Setting to 180°
- ☐ FS = Factory set non adjustable temperature
- ☐ Nema 4 = Enclosure 42" x 36" x 12", panel 40.2" x 34.2"

## APPLICATIONS:

- Emergency Drench Shower (DS)
- Combo Eye/Face Drench Shower (EFD/Combo)
- Capacity 4 GPM (first stage/EFD combo) to 25 GPM
- ANSI requirement: Drench Shower minimum 20 GPM,  
 Combo Eye/Face, Drench Shower minimum 23 GPM  
 30 PSI, 15 minutes “Tepid” water (60° to 95°) range
- Industrial, Commercial
- Factories
- Boosters to 180° (S)

**ADVANCED TECHNOLOGY • HIGHEST EFFICIENCY  
 DESIGNED FOR DURABILITY**

**MADE IN USA**



**DS**  
 Drench Shower



**EFD/Combo**  
 Eye/Face  
 Drench Shower

## QUALITY FEATURES

- **Unlimited On Demand Hot Water** - no delay
- **Meets ANSI Z358.1 Tepid Water Requirements**
- **Sophisticated Thermostatic Control** continuously monitors outlet temperature and adjust output for variations in flow and pressure.
- **Eliminate Costly Mixing Valves**
- **Easy Installation** - only cold water supply needed - unit equipped with 1 1/4" NPT fitting
- **Reduced Installation Material Cost** - no T&P relief needed (check local codes)
- **Micro Processor Technology** - accurately maintains outlet temperature (+/- 1 degree F)
- **Splashproof Enclosure**
- **Prevents legionella, mycobacterial growth**
- **Cut Energy Waste** - flow switch activates heater only on demand (no standby heat loss) - **99% efficient.**
- **Compact Size** (32" x 32" x 6")
- **Field Serviceable Elements**
- **Special Engineered flow switch turns on in stages** based on demand ensuring that the unit will provide only specified outlet temperature.
- **Heater designed to fail to cold supply on electrical failure.**
- **Warranty - Full Factory Warranty** - Heaters are guaranteed against failure due to leaks of “Heater Body/Element Assembly” for a period of Five Years
- **Thermal Cut Out**

## SUGGESTED SPECIFICATION

Tankless Water Heater shall be an Eemax Model

\_\_\_\_\_ with \_\_\_\_\_ vac, \_\_\_\_\_ to heat \_\_\_\_\_ GPM  
 model # \_\_\_\_\_ kW rating \_\_\_\_\_ voltage \_\_\_\_\_  
 @ a temperature rise of \_\_\_\_\_ degrees F.  
 amperage \_\_\_\_\_

Elements shall be replaceable cartridge insert. Element shall be iron free, nickel chrome material. Heater shall be fitted with 1 1/4" NPT. 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.

### EEMAX SUBMITTAL

Engineer/Architect: \_\_\_\_\_  
 Job Name/Customer: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Contractor: \_\_\_\_\_  
 Representative: \_\_\_\_\_  
 HEATER SPECIFICATIONS:  
 Option Quantity kW Voltage AMPS GPM  
 Series Twelve Model # \_\_\_\_\_

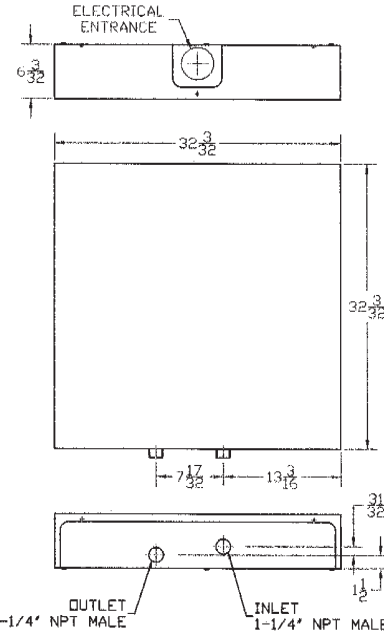
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### SPECIAL DESIGN SERVICE

INQUIRIES FOR UNITS FOR UNIQUE APPLICATIONS ARE WELCOME. CALL OUR TECHNICAL SERVICE DEPT. 1-800-543-6163



### "SERIES TWELVE" SPECIFICATIONS:

Dimensions: 32 3/32" x 32 3/32" x 6"  
 Weight: 70 lbs  
 Element: Twelve replaceable cartridge inserts plus two spares  
 Fittings: 1 1/4" NPT fittings at bottom  
 Operating Pressure: min. 25 PSI, max 150 PSI  
 UL Listed: E86887(M)  
 US Patent #'s 4,960,976 - 4,762,980

## RATINGS OF "SERIES TWELVE" (TWELVE HEATING MODULES)

MODEL	TURN ON OPTIONS	THERMOSTATIC OPTIONS	VOLTS	TOTAL kW	AMPS PER PHASE	FIRST STAGE EYE/FACE TEMPERATURE RISE °F		SECOND STAGE DRENCH TEMPERATURE RISE °F		RECOMMENDED WIRE SIZE
						6 GPM	7.5 GPM	20 GPM	23 GPM	
EX480T12	EFD,DS	S,FS	480Y/277V	48kW	58A	27	22	16	14	3AWG
EX720T12	EFD,DS	S,FS	480Y/277V	72kW	87A	41	33	25	21	1/0AWG
EX960T12	EFD,DS	S,FS	480Y/277V	96kW	116A	55	44	33	28	3/0AWG
EX1080T12	EFD,DS	S,FS	480Y/277V	108kW	130A	61	49	37	32	4/0AWG
EX1260T12	EFD,DS	S,FS	480Y/277V	126kW	156A	72	57	43	37	250MCM
EX480T12	EFD,DS	S,FS	208V/3 Ø	48kW	133A	27	22	16	14	2/0AWG
EX720T12	EFD,DS	S,FS	208V/3 Ø	72kW	200A	41	33	25	21	300MCM
EX960T12	EFD,DS	S,FS	208V/3 Ø	96kW	267A	55	44	33	28	400MCM

### Electrical Configurations and Requirements for Eemax Three Phase Instantaneous Water Heaters.

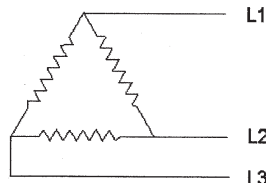
All Eemax three-phase units are custom made to order and as such are, non-returnable and non-refundable. We urge you therefore to check your electrical supply, making sure all criteria for operating your Eemax water heater are met, especially that a neutral line is available for all 480/277 volt units.

#### Eemax 208/120 Three Phase Units

##### Delta Configuration

Requires: 3 Lives, 1 Ground (earth)

Three-Phase delta; Three-wire

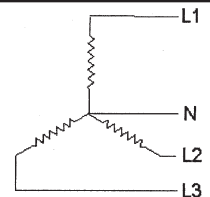


#### Eemax 480/277 Three Phase Units

##### Star Configuration

Requires: 3 Lives, 1 Neutral and 1 Ground

Three-Phase star; four-wire; non-earthed neutral



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