

Series One, Thermostatic

FOR REFERENCE ONLY; See LavAdvantage for replacements

Specifications

Electric Tankless Hot Water Heater

Applications

- Multi lav configurations (up to three) ideal for sensor or metering faucets (ML option - 110°F max.)
- Emergency eye wash fountains (EE option - 90°F max.)
- Dishwashers, commercial kitchens
- Low volume showers

Performance Features

- Cut energy waste. Flow switch activates heater only on demand (no standby heat loss) – 99% efficient
- Save Water – “Point of Use”
- Eliminate costly mixing valves (check local codes)
- Continuous hot water. No storage capacity to run out
- Eliminate lag time in long pipe runs
- Booster up to 180°F (S option)
- Easy installation. Only one cold or hot water line need be brought to installation – integral compression fittings for 1/2” pipe (5/8” OD) on bottom (no sweat connections)
- Microprocessor temperature control for thermostatic accuracy +/-1°F. Fully adjustable temperature range between 100-140°. Special settings of higher or lower range available upon request. (see Specification Options)
- Reduces installation cost and materials. No T&P relief valve needed (check local codes)
- Prevents Legionella bacteria growth
- Reduces calcification, liming and sedimentation
- Compact size
- Warranty – Heaters, against failure due to leaks of “Heater Body/Element Assembly”, five (5) years – Parts, one (1) year
- High temperature limit switch (ECO)

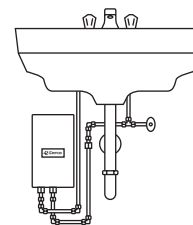
Product Specifications

Dimensions:	10.75"x 5.25"x 2.875"
Weight:	4 lbs.
Cover:	ABS UL rated 94V0.
Color:	White
Std. Temp. Range	100°F-140°F
Element:	Replaceable Ni Chrome cartridge insert
Fittings:	1/2" pipe compression fittings at bottom of unit. (5/8" OD)
UL listed file number:	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 Thermostatic model number EX_____.

Unit shall have ABS-UL 94V0 rated cover. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall be iron free, Nickel Chrome material. Heater shall be fitted with 1/2" pipe compression fittings (5/8" OD) on bottom of unit to eliminate need for soldering. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.

Specification options to be included with EX models:

- ____ **EE** Emergency Eyewash. Meets ANSI tepid water requirements. Max. temperature 90°F
- ____ **FS** Factory Set. Customer specified factory-set not to exceed temperature ambient to 180°F
- ____ **ML** Multiple Lavatory. Factory preset to 110°F with 0.3 GPM turn on for sensor and metering faucets
- ____ **S** Sanitation. Factory preset not to exceed temperature of 180°F
- ____ **N4** NEMA 4 waterproof cabinet w/powder coat finish
- ____ **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet

Series One, Thermostatic

Point of use Micro processing temperature control

Specifications

Electric Tankless Hot Water Heater

					TEMPERATURE RISE °F					
MODEL NUMBER		kW	AMPS	TURN ON (GPM)	REC'D WIRE SIZE (CU)	0.5 GPM	0.75 GPM	1.0 GPM	1.5 GPM	2.0 GPM
VOLTS 120										
C	EX2412T	2.4kW	20A	0.3	12 AWG	33°	22°	16°	11°	8°
C	EX2412T EE	2.4kW	20A	0.3	12 AWG	33°	22°	16°	11°	8°
C	EX2412T FS	2.4kW	20A	0.3	12 AWG	33°	22°	16°	11°	8°
C	EX2412T S	2.4kW	20A	0.3	12 AWG	33°	22°	16°	11°	8°
C	EX3012T	3.0kW	25A	0.3	10 AWG	41°	27°	20°	14°	10°
C	EX3012T EE	3.0kW	25A	0.3	10 AWG	41°	27°	20°	14°	10°
C	EX3012T FS	3.0kW	25A	0.3	10 AWG	41°	27°	20°	14°	10°
C	EX3012T S	3.0kW	25A	0.3	10 AWG	41°	27°	20°	14°	10°
C	EX3512T	3.5kW	29A	0.3	10 AWG	48°	32°	24°	16°	12°
C	EX3512T EE	3.5kW	29A	0.3	10 AWG	48°	32°	24°	16°	12°
C	EX3512T FS	3.5kW	29A	0.3	10 AWG	48°	32°	24°	16°	12°
C	EX3512T ML	3.5kW	29A	0.3	10 AWG	48°	32°	24°	16°	12°
C	EX3512T S	3.5kW	29A	0.3	10 AWG	48°	32°	24°	16°	12°
VOLTS 240*										
C	EX35T	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°	12°
C	EX35T (derated 208V perf.)	2.7kW	13A	0.3	14 AWG	37°	24°	18°	1.5°	9°
C	EX35T EE	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°	12°
C	EX35T FS	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°	12°
C	EX35T ML	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°	12°
C	EX35T S	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°	12°
C	EX48T	4.8kW	20A	0.3	12 AWG	64°	42°	31°	21°	16°
C	EX48T (derated 208V perf.)	3.6kW	17A	0.3	12 AWG	49°	33°	25°	16°	12°
C	EX48T EE	4.8kW	20A	0.3	12 AWG	64°	42°	31°	21°	16°
C	EX48T FS	4.8kW	20A	0.3	12 AWG	64°	42°	31°	21°	16°
C	EX48T ML	4.8kW	20A	0.3	12 AWG	64°	42°	31°	21°	16°
C	EX48T S	4.8kW	20A	0.3	12 AWG	64°	42°	31°	21°	16°
C	EX55T	5.5kW	23A	0.3	10 AWG	75°	50°	38°	25°	19°
C	EX55T (derated 208V perf.)	4.1kW	20A	0.3	10 AWG	56°	38°	28°	19°	17°
C	EX55T EE	5.5kW	23A	0.3	10 AWG	75°	50°	38°	25°	19°
C	EX55T FS	5.5kW	23A	0.3	10 AWG	75°	50°	38°	25°	19°
C	EX55T ML	5.5kW	23A	0.3	10 AWG	75°	50°	38°	25°	19°
C	EX55T S	5.5kW	23A	0.3	10 AWG	75°	50°	38°	25°	19°
C	EX65T	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°	22°
C	EX65T (derated 208V perf.)	4.9kW	24A	0.7	10 AWG	—	44°	33°	22°	17°
C	EX65T EE	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°	22°
C	EX65T FS	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°	22°
C	EX65T ML	6.5kW	27A	0.3	10 AWG	+	59°	44°	30°	22°
C	EX65T S	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°	22°
C	EX75T	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°	26°
C	EX75T (derated 208V perf.)	5.6kW	27A	0.7	8 AWG	—	51°	38°	26°	19°
C	EX75T EE	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°	26°
C	EX75T FS	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°	26°
C	EX75T ML	7.5kW	32A	0.3	8 AWG	+	68°	51°	34°	26°
C	EX75T S	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°	26°
C	EX95T	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°	32°
C	EX95T (derated 208V perf.)	7.0kW	34A	0.7	8 AWG	—	64°	48°	32°	24°
C	EX95T EE	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°	32°
C	EX95T FS	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°	32°
C	EX95T ML	9.5kW	40A	0.3	8 AWG	—	87°	65°	43°	32°
C	EX95T S	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°	32°
	EX012240T	11.5kW	48A	0.7	6 AWG	—	104°	79°	52°	39°
	EX012240T (derated 208V perf.)	8.7kW	42A	0.7	6 AWG	—	79°	59°	39°	30°
	EX012240T EE	11.5kW	48A	0.7	6 AWG	—	104°	79°	52°	39°
	EX012240T FS	11.5kW	48A	0.7	6 AWG	—	104°	79°	52°	39°
	EX012240T ML	11.5kW	48A	0.3	6 AWG	—	104°	79°	52°	39°
	EX012240T S	11.5kW	48A	0.7	6 AWG	—	104°	79°	52°	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.

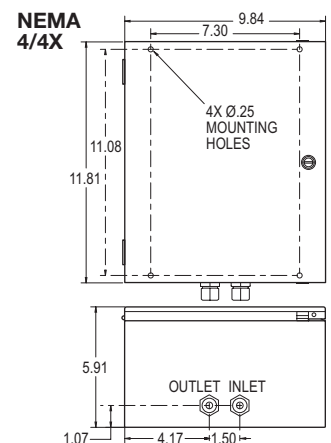
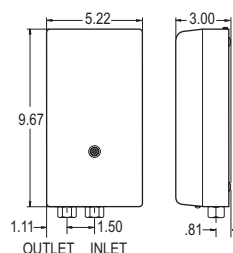
+Temperature electronically limited to factory preset not to exceed temperature.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

					TEMPERATURE RISE °F					
MODEL NUMBER		KW	AMPS	TURN ON (GPM)	REC'D WIRE SIZE (CU)	0.5 GPM	0.75 GPM	1.0 GPM	1.5 GPM	2.0 GPM
VOLTS 208 Single Phase										
C	EX3208T	3.0KW	15A	0.3	14 AWG	41°	—	—	—	—
C	EX3208T ML	3.0KW	15A	0.3	14 AWG	41°	—	—	—	—
C	EX4208T	4.1KW	20A	0.3	12 AWG	56°	37°	28°	18°	14°
C	EX4208T EE	4.1KW	20A	0.3	12 AWG	56°	37°	28°	18°	14°
C	EX4208T FS	4.1KW	20A	0.3	12 AWG	56°	37°	28°	18°	14°
C	EX4208T ML	4.1KW	20A	0.3	12 AWG	56°	37°	28°	18°	14°
C	EX4208T S	4.1KW	20A	0.3	12 AWG	56°	37°	28°	18°	14°
C	EX8208T	8.3KW	40A	0.7	8 AWG	—	76°	57°	38°	28°
C	EX8208T EE	8.3KW	40A	0.7	8 AWG	—	76°	57°	38°	28°
C	EX8208T FS	8.3KW	40A	0.7	8 AWG	—	76°	57°	38°	28°
C	EX8208T ML	8.3KW	40A	0.3	8 AWG	+	76°	57°	38°	28°
C	EX8208T S	8.3KW	40A	0.7	8 AWG	—	76°	57°	38°	28°
VOLTS 277										
	EX3277T	3.0KW	11A	0.3	14 AWG	41°	—	—	—	—
	EX3277T EE	3.0KW	11A	0.3	14 AWG	41°	—	—	—	—
	EX3277T FS	3.0KW	11A	0.3	14 AWG	41°	—	—	—	—
	EX3277T ML	3.0KW	11A	0.3	14 AWG	41°	—	—	—	—
	EX3277T S	3.0KW	11A	0.3	14 AWG	41°	—	—	—	—
	EX4277T	4.1KW	14.8A	0.3	14 AWG	56°	37°	28°	19°	14°
	EX4277T EE	4.1KW	14.8A	0.3	14 AWG	56°	37°	28°	19°	14°
	EX4277T FS	4.1KW	14.8A	0.3	14 AWG	56°	37°	28°	19°	14°
	EX4277T ML	4.1KW	14.8A	0.3	14 AWG	56°	37°	28°	19°	14°
	EX4277T S	4.1KW	14.8A	0.3	14 AWG	56°	37°	28°	19°	14°
	EX60T	6.0KW	22A	0.7	10 AWG	—	55°	41°	27°	20°
	EX60T EE	6.0KW	22A	0.7	10 AWG	—	55°	41°	27°	20°
	EX60T FS	6.0KW	22A	0.7	10 AWG	—	55°	41°	27°	20°
	EX60T ML	6.0KW	22A	0.3	10 AWG	81°	55°	41°	27°	20°
	EX60T S	6.0KW	22A	0.7	10 AWG	—	55°	41°	27°	20°
	EX80T	8.0KW	29A	0.7	10 AWG	—	73°	55°	36°	27°
	EX80T EE	8.0KW	29A	0.7	10 AWG	—	73°	55°	36°	27°
	EX80T FS	8.0KW	29A	0.7	10 AWG	—	73°	55°	36°	27°
	EX80T ML	8.0KW	29A	0.3	10 AWG	+	73°	55°	36°	27°
	EX80T S	8.0KW	29A	0.7	10 AWG	—	73°	55°	36°	27°
	EX90T	9.0KW	33A	0.7	8 AWG	—	82°	61°	41°	31°
	EX90T EE	9.0KW	33A	0.7	8 AWG	—	82°	61°	41°	31°
	EX90T FS	9.0KW	33A	0.7	8 AWG	—	82°	61°	41°	31°
	EX90T ML	9.0KW	33A	0.3	8 AWG	+	82°	61°	41°	31°
	EX90T S	9.0KW	33A	0.7	8 AWG	—	82°	61°	41°	31°
	EX100T	10.0KW	36A	0.7	8 AWG	—	91°	68°	46°	34°
	EX100T EE	10.0KW	36A	0.7	8 AWG	—	91°	68°	46°	34°
	EX100T FS	10.0KW	36A	0.7	8 AWG	—	91°	68°	46°	34°
	EX100T ML	10.0KW	36A	0.3	8 AWG	+	91°	68°	46°	34°
	EX100T S	10.0KW	36A	0.7	8 AWG	—	91°	68°	46°	34°

Suffix Definitions

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



Information and product specifications contained in this document are subject to change without notice.