

ProAdvantage™

Digital Microprocessing Temperature Control for Commercial and Industrial Applications

Specifications

Tankless Electric Water Heater

Performance Features

- Cut Energy Waste. Flow switch activates heater only on demand (no standby heat loss)
- Save Water – "Point of Use"
- Continuous Hot Water. No storage capacity to run out
- Easy Installation. Only one cold or hot water line is needed for installation – 3/4" NPT water fittings (except single module units use 1/2" compression fittings)
- External digital temp control
- Reduces installation cost and material. No T&P relief valve needed (check local codes) or venting
- Warranty, five (5) years limited on leaks, one (1) year parts
- Field serviceable replaceable cartridge element
- Aluminum powder coated exterior

Product Specifications

Cover:	Aluminum Powder Coated
Temperature Control:	Range 100°F-140°F, digital touchpad LED
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**.

Suggested Specification

Tankless water heater shall be an Eemax ProAdvantage model number PA_____

Eemax ProAdvantage model, with digital microprocessing temperature control capable of maintaining outlet temperature. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall Nickel Chrome material. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.



Single Module



Dual Module



Triple Module



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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Single Module Models

PA004120T, PA008208T, PA005240T, PA007240T, PA010240T, PA012240T, PA008277T, PA010277T

Dimensions: 9.875" x 5.375" x 4"

Weight: 4.5 lb

Rated Pressure: 25 PSI min

150 PSI max

Element: Single replaceable heating cartridge insert

Fittings: 1/2" compression

Dual Module Models

PA014240TC, PA016277TC, PA019240TC, PA020277TC, PA023240TC

Dimensions: 10.5" x 11" x 4.5"

Weight: 10.5 lb

Rated Pressure: 25 PSI min

150 PSI max

Element: Dual replaceable heating cartridge insert

Fittings: 3/4" NPT

Triple Module Models

PA018208T2T, PA024208T2T, PA018277T2T, PA024277T2T, PA032277T2T,

Single Phase Model PA028240T2T

Dimensions: 12.5" x 15.5" x 4.5"

Weight: 15 lb

Rated Pressure: 25 PSI min

150 PSI max

Element: Triple replaceable heating cartridge insert

Fittings: 3/4" NPT

MODEL NUMBER	KW	AMPS	RECOMMENDED WIRE SIZE (75° C/CU)	TURN ON (GPM)	MAX. FLOW (GPM)	TEMPERATURE RISE °F							
						0.5 GPM	1.0 GPM	1.5 GPM	2.0 GPM	2.5 GPM	3.0 GPM	4.0 GPM	
VOLTS 120													
C PA004120T	3.5	29	10 AWG	0.3	2.5	48°	24°	16°	12°	10°	-	-	-
VOLTS 208 Single Phase													
C PA008208T	8.3	40	8 AWG	0.7	2.5	-	57°	38°	28°	23°	-	-	-
VOLTS 240*													
C PA005240T	4.8	20	10 AWG	0.5	2.5	66°	33°	22°	16°	13°	-	-	-
PA005240T (derated 208V performance)	3.6	17	10 AWG	0.5	2.5	49°	25°	16°	12°	10°	-	-	-
C PA007240T	6.5	27	10 AWG	0.7	2.5	-	44°	30°	22°	18°	-	-	-
PA007240T (derated 208V performance)	4.9	24	10 AWG	0.7	2.5	-	33°	22°	17°	13°	-	-	-
C PA010240T	9.5	40	8 AWG	0.7	2.5	-	65°	43°	32°	26°	-	-	-
PA010240T (derated 208V performance)	7.0	34	8 AWG	0.7	2.5	-	48°	32°	24°	19°	-	-	-
C PA012240T	11.5	48	8 AWG	0.7	2.5	-	79°	52°	39°	31°	-	-	-
PA012240T (derated 208V performance)	8.7	42	8 AWG	0.7	2.5	-	59°	40°	30°	24°	-	-	-
C PA014240TC	15.0	64(2x32)	8 AWG	0.7	3.0	-	102°	68°	51°	41°	34°	-	-
PA014240TC (derated 208V performance)	11.2	52(2x27)	8 AWG	0.7	3.0	-	76°	51°	38°	31°	25°	-	-
C PA019240TC	19.0	80(2x40)	8 AWG	0.7	3.0	-	†	87°	65°	52°	43°	-	-
PA019240TC (derated 208V performance)	14.0	68(2x34)	8 AWG	0.7	3.0	-	†	96°	64°	48°	38°	32°	-
C PA023240TC	23.0	96(2x48)	8 AWG	0.7	3.0	-	†	105°	79°	63°	52°	-	-
PA023240TC (derated 208V performance)	17.3	83(2x42)	8 AWG	0.7	3.0	-	†	79°	59°	47°	39°	-	-
C PA028240T2T	28.5	118(3x40)	8 AWG	0.7	4.0	-	†	†	97°	78°	65°	49°	-
PA028240T2T (derated 208V performance)	20.9	100(3x33)	8 AWG	0.7	4.0	-	†	†	95°	71°	57°	48°	36°
VOLTS 277 Single Phase													
PA008277T	8.0	29	10 AWG	0.7	2.5	-	55°	36°	27°	22°	18°	-	-
PA010277T	10.0	36	8 AWG	0.7	2.5	-	68°	46°	34°	27°	23°	-	-
PA016277TC	16.0	58(2x29)	10 AWG	0.7	3.0	-	†	73°	55°	44°	36°	-	-
PA020277TC	20.0	72(2x36)	8 AWG	0.7	3.0	-	†	91°	68°	55°	46°	-	-
VOLTS 208 Three Phase Delta													
C PA018208T2T	18.0	50/phase	8 AWG	0.7	4.0	-	†	82°	61°	49°	41°	31°	-
C PA024208T2T	24.0	67/phase	4 AWG	0.7	4.0	-	†	†	82°	66°	55°	41°	-
VOLTS 480V/277 Three Phase Wye - neutral leg required													
PA018277T2T	18.0	22/phase	10 AWG	0.7	4.0	-	†	82°	61°	49°	41°	31°	-
PA024277T2T	24.0	29/phase	10 AWG	0.7	4.0	-	†	†	82°	66°	55°	41°	-
PA032277T2T	32.0	39/phase	8 AWG	0.7	4.0	-	†	†	†	87°	73°	55°	-

* 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 electrically limited to factory preset temperature.
 C indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No.88.

