ProSeries

For Single Point-of-Use or Multiple Applications in Commercial Applications

Specifications

Electric Tankless Hot Water Heater

Applications

 Hand washing 0.5-2.2 GPM Standard Hand Sink 0.5 GPM • Kitchen Sink or Mop Sink 4+ GPM Dishwasher 1 to 2 GPM Average Gallons Per Minute (GPM) based on 2010 Plumbing Standards

Performance Features

- Instant, consistent and endless hot water
- Protected internal temperature control
- 99.8% energy efficient
- Copper immersion heating elements with brass top increases durability and are threaded for easy replacement
- Simple Installation
- Internal temperature control adjustable in increments of 1°
- Temperature range 80°-140°F

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 ProSeries model number PR_

Unit shall have copper clad immersion heating element(s) with brass terminations for increased durability. Temperature control and display to be internal to the unit, and adjustable in 1° increments with a range of 80°-140°F. Display shall be capable of displaying setpoint temperature in Centrigrade or Fahrenheit temperature scales. Unit shall utilize a flow meter with a 0.3 gpm activation point and manage power based on actual flow rate and inlet temperature. Values should be processed 60 times per second. Unit shall be WQA certified lead free, certified to UL499 and CSA22.2.







PR008240/PR011240/PR13240

PR018240





PR024240/PR027240

PR036240



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



Eemax Inline Flow Regulator

EEMAX PART NUMBER	GPM RATING OF INSERTS PROVIDED	CONNECTION SIZE
IFR 1-2	1.0, 1.5, 2.0	1/2" Compression
IFR 3-4	2.0, 3.0, 4.0, 5.0	3/4" NPT

- Enhanced outlet temperature control
- Install on the outlet side of the heater
- Limit maximum volume to the specified flow rate to ensure exiting temperature is within an acceptable range
- Flow Restrictors for ½" and ¾" plumbing connections
- Restriction range: 0.5 to 5.0 gallons per minute

Eemax Inline Flow Regulator Suggested Sizing Guide

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	COLD CLIMATE (INLET TEMP. 35-45°F)	WARM CLIMATE (INLET TEMP. 50-60°F)	HOT CLIMATE (INLET TEMP. 65-75°F)
PR008240	IFR 1-2	IFR 1-2	IFR 1-2
PR011240	IFR 1-2	IFR 1-2	IFR 1-2
PR013240	IFR 1-2	IFR 1-2	IFR 1-2
PR018240	IFR 3-4	IFR 3-4	IFR 3-4
PR024240	IFR 3-4	IFR 3-4	IFR 3-4
PR027240	IFR 3-4	IFR 3-4	IFR 3-4
PR036240	IFR 3-4	IFR 3-4	IFR 3-4

^{*}Selection based on inlet temperature and an outlet temperature setting of 105°F

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					MAX	TEMPERATURE RISE °F							
MODEL NUMBER	kW	AMPS	RECOMMENDED WIRE SIZE (CU)	TURN ON (GPM)	FLOW (GPM)	1.0 GPM	1.5 GPM	2.0 GPM	2.5 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM
OV* 1 MODULES													
PR008240	8.0	33(1x40)A	8 AWG	0.3	4.8	55°	36°	27°	22°	18°	-	-	
PR008240 (derated 208V performance)	5.8	28A	*	0.3	4.8	40°	27°	20°	-	-	_	-	
PR011240	11.0	46(1x50)A	6 AWG	0.3	4.8	75°	50°	38°	30°	25°	-	-	-
PR011240 (derated 208V performance)	8.2	40A	*	0.3	4.8	56°	37°	28°	-	-	-	-	-
PR013240	13.0	54(1x60)A	6 AWG	0.3	4.8	89°	59°	44°	36°	30°	22°	-	
PR013240 (derated 208V performance)	10.1	49(1x60)A	*	0.3	4.8	69°	46°	34°	-	-	-	-	-
OV* 2 MODULES													
PR018240	18.0	75(2x38)A	8 AWG	0.3	7.0	†	82°	62°	49°	41°	31°	25°	_
PR018240 (derated 208V performance)	13.3	64(2x32)A	*	0.3	7.0	90°	60°	45°	36°	30°	-	-	_
OV* 3 MODULES													
PR024240	24.0	100(3x33)A	6 AWG	0.3	7.0	†	†	82°	66°	55°	41°	33°	27°
PR024240 (derated 208V performance)	17.5	84(3x28)A	*	0.3	7.0	†	†	60°	48°	40°	30°	24°	20°
PR027240	27.0	112(3x37)A	8 AWG	0.3	7.0	†	†	92°	74°	62°	46°	37°	31°
PR027240 (derated 208V performance)	20.0	96(3x32)A	*	0.3	7.0	†	†	68°	55°	45°	34°	27°	23°
OV* 4 MODULES													
PR036240	36.0	150(4x38)A	8 AWG	0.3	8.0	†	†	†	98°	82°	62°	49°	41°
PR036240 (derated 208V performance)	26.6	127(4x32)A	*	0.3	8.0	†	†	91	73°	61°	45°	36°	30°
	PR008240 PR008240 PR008240 PR011240 PR011240 PR011240 (derated 208V performance) PR013240 PR013240 (derated 208V performance) V* 2 MODULES PR018240 PR018240 (derated 208V performance) V* 3 MODULES PR024240 PR024240 (derated 208V performance) PR027240 PR027240 PR027240 (derated 208V performance) V* 4 MODULES PR036240	PR008240 8.0 PR008240 (derated 208V performance) 5.8 PR011240 11.0 PR011240 (derated 208V performance) 8.2 PR013240 13.0 PR013240 (derated 208V performance) 10.1 DV*2 MODULES PR018240 18.0 PR018240 (derated 208V performance) 13.3 DV*3 MODULES PR024240 24.0 PR024240 (derated 208V performance) 17.5 PR027240 27.0 PR027240 (derated 208V performance) 20.0 DV*4 MODULES PR036240 36.0	PR008240 8.0 33(1x40)A PR008240 (derated 208V performance) 5.8 28A PR011240 11.0 46(1x50)A PR011240 (derated 208V performance) 8.2 40A PR013240 13.0 54(1x60)A PR013240 (derated 208V performance) 10.1 49(1x60)A DV* 2 MODULES PR018240 18.0 75(2x38)A PR018240 (derated 208V performance) 13.3 64(2x32)A DV* 3 MODULES PR024240 208V performance) 17.5 84(3x28)A PR027240 27.0 112(3x37)A PR027240 (derated 208V performance) 20.0 96(3x32)A DV* 4 MODULES PR036240 36.0 150(4x38)A	MODEL NUMBER kW AMPS WIRE SIZE (CU) INT* I MODULES PR008240 8.0 33(1x40)A 8 AWG PR011240 11.0 46(1x50)A 6 AWG PR011240 (derated 208V performance) 8.2 40A * PR013240 13.0 54(1x60)A 6 AWG PR013240 (derated 208V performance) 10.1 49(1x60)A * VIX*2 MODULES PR018240 (derated 208V performance) 13.3 64(2x32)A * VIX*3 MODULES PR024240 (derated 208V performance) 24.0 100(3x33)A 6 AWG PR027240 (derated 208V performance) 27.0 112(3x37)A 8 AWG PR027240 (derated 208V performance) 20.0 96(3x32)A * VIX*4 MODULES PR036240 36.0 150(4x38)A 8 AWG	MODEL NUMBER kW AMPS WIRE SIZE (CU) (GPM) NY*1 MODULES PR008240 8.0 33(1x40)A 8 AWG 0.3 PR008240 (derated 208V performance) 5.8 28A * 0.3 PR011240 11.0 46(1x50)A 6 AWG 0.3 PR013240 (derated 208V performance) 8.2 40A * 0.3 PR013240 (derated 208V performance) 10.1 49(1x60)A * 0.3 PR018240 18.0 75(2x38)A 8 AWG 0.3 PR018240 (derated 208V performance) 13.3 64(2x32)A * 0.3 PR024240 (derated 208V performance) 24.0 100(3x33)A 6 AWG 0.3 PR027240 (derated 208V performance) 17.5 84(3x28)A * 0.3 PR027240 (derated 208V performance) 20.0 96(3x32)A * 0.3 PR036240 36.0 150(4x38)A 8 AWG 0.3	MODEL NUMBER kW AMPS WIRE SIZE (CU) (GPM) (GPM) IN** I MODULES PR008240 8.0 33(1x40)A 8 AWG 0.3 4.8 PR008240 (derated 208V performance) 5.8 28A * 0.3 4.8 PR011240 (derated 208V performance) 8.2 40A * 0.3 4.8 PR013240 (derated 208V performance) 10.1 49(1x60)A 6 AWG 0.3 4.8 PR013240 (derated 208V performance) 10.1 49(1x60)A * 0.3 4.8 PR018240 (derated 208V performance) 18.0 75(2x38)A 8 AWG 0.3 7.0 PR024240 (derated 208V performance) 13.3 64(2x32)A * 0.3 7.0 PR024240 (derated 208V performance) 24.0 100(3x33)A 6 AWG 0.3 7.0 PR027240 (derated 208V performance) 17.5 84(3x28)A * 0.3 7.0 PR027240 (derated 208V performance) 20.0 96(3x32)A * 0.3 7.0	MODEL NUMBER kW AMPS RECOMMENDED WIRE SIZE (CU) TURN ON (GPM) FLOW (GPM) 1.0 GPM V** IMODULES PR008240 8.0 33(1x40)A 8 AWG 0.3 4.8 55° PR008240 (derated 208V performance) 5.8 28A * 0.3 4.8 40° PR011240 11.0 46(1x50)A 6 AWG 0.3 4.8 55° PR011240 (derated 208V performance) 8.2 40A * 0.3 4.8 56° PR013240 13.0 54(1x60)A 6 AWG 0.3 4.8 69° PR013240 (derated 208V performance) 10.1 49(1x60)A * 0.3 4.8 69° V*2 MODULES PR018240 (derated 208V performance) 13.3 64(2x32)A * 0.3 7.0 † PR024240 (derated 208V performance) 13.3 64(2x32)A * 0.3 7.0 † PR024240 (derated 208V performance) 24.0 100(3x33)A 6 AWG 0.3 7.0 <t< th=""><th>MODEL NUMBER kW AMPS RECOMMENDED WRE SIZE (CU) TURN ON (GPM) FLOW (GPM) 1.0 GPM 1.5 GPM V** I MODULES PR008240 8.0 33(1x40)A 8 AWG 0.3 4.8 55° 36° PR008240 (derated 208V performance) 5.8 28A * 0.3 4.8 40° 27° PR011240 11.0 46(1x50)A 6 AWG 0.3 4.8 75° 50° PR011240 (derated 208V performance) 13.0 54(1x60)A 6 AWG 0.3 4.8 89° 59° PR013240 (derated 208V performance) 10.1 49(1x60)A * 0.3 4.8 89° 59° PR018240 (derated 208V performance) 11.0 49(1x60)A * 0.3 7.0 † 82° PR018240 (derated 208V performance) 13.3 64(2x32)A * 0.3 7.0 † 82° PR024240 (derated 208V performance) 17.5 84(3x28)A * 0.3 7.0 † †</th><th>MODEL NUMBER kW AMPS WIRE SIZE (CU) TURN ON (GPM) MAX** MAX** MAX** MODEL NUMBER RECOMMENDED TURN ON (GPM) GPM GPM GPM GPM GPM GPM GPM</th><th>MODEL NUMBER KW AMPS WIRE SIZE (CU) TURN ON (GPM) FLOW (GPM) FLOW (GPM) GPM GPM GPM GPM GPM GPM GPM GPM GPM GPM</th><th>MODEL NUMBER KW AMPS WIRE SIZE (CU) TURN ON (GPM) FLOW (GPM) GPM GPM GPM GPM GPM GPM GPM GPM GPM GPM</th><th>MODEL NUMBER</th><th> MODEL NUMBER May May May RECOMMENDED TURN ON (GPM) FLOW (GPM) GPM GPM </th></t<>	MODEL NUMBER kW AMPS RECOMMENDED WRE SIZE (CU) TURN ON (GPM) FLOW (GPM) 1.0 GPM 1.5 GPM V** I MODULES PR008240 8.0 33(1x40)A 8 AWG 0.3 4.8 55° 36° PR008240 (derated 208V performance) 5.8 28A * 0.3 4.8 40° 27° PR011240 11.0 46(1x50)A 6 AWG 0.3 4.8 75° 50° PR011240 (derated 208V performance) 13.0 54(1x60)A 6 AWG 0.3 4.8 89° 59° PR013240 (derated 208V performance) 10.1 49(1x60)A * 0.3 4.8 89° 59° PR018240 (derated 208V performance) 11.0 49(1x60)A * 0.3 7.0 † 82° PR018240 (derated 208V performance) 13.3 64(2x32)A * 0.3 7.0 † 82° PR024240 (derated 208V performance) 17.5 84(3x28)A * 0.3 7.0 † †	MODEL NUMBER kW AMPS WIRE SIZE (CU) TURN ON (GPM) MAX** MAX** MAX** MODEL NUMBER RECOMMENDED TURN ON (GPM) GPM GPM GPM GPM GPM GPM GPM	MODEL NUMBER KW AMPS WIRE SIZE (CU) TURN ON (GPM) FLOW (GPM) FLOW (GPM) GPM	MODEL NUMBER KW AMPS WIRE SIZE (CU) TURN ON (GPM) FLOW (GPM) GPM	MODEL NUMBER	MODEL NUMBER May May May RECOMMENDED TURN ON (GPM) FLOW (GPM) GPM GPM

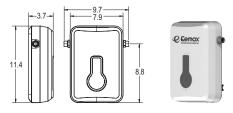
- * 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.
- † Temperature electronically limited setting on adjustable thermostat on front cover
- "C"indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

Product Specifications (all models)

Rated Pressure	25 PSI min., 150 PSI max.
Certifications	ETL Listed to UL 499 and CSA
Std. Temp. Settings	120°F (Adjustable 80°F-140°F)
Temp. Accuracy	+/-1° at steady state flow
Turn-On	0.3 GPM

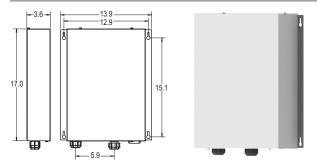
PR008240/PR011240/PR013240

Size	11.5"H x 8"W x 3.75"D
Weight	8 kw: 4.75 lbs. 11 kw/13 kw: 7 lbs.
Unique Features	Solid, hand-welded exchanger, 1/2" NPT adapters, 3 foot electric cable and 1/2" compression fittings for water connectors included



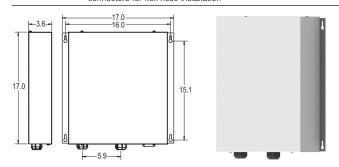
PR018240

Size	17"H x 14"W x 3.75"D
Weight	11.25 lbs.
Unique Features	Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation



PR024240/PR027240

Size	17"H x 17"W x 3.75"D
Weight	13.75 lbs.
Unique Features	Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation



PR036240

Size	17.5"H x 21"W x 3.75"D
Weight	17.4 lbs.
Unique Features	Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation

