



CERTIFICATE NUMBER 21-2071350-PDA  
EFFECTIVE DATE 13-Jan-2021  
EXPIRY DATE 12-Jan-2026  
ABS TECHNICAL OFFICE Houston ESD - Subsea

## CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

**EEMAX INC.**

located at

**400 CAPTAIN NEVILLE DRIVE, WATERBURY, CT, United States,  
06705**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

**Product:** Heater, Packaged Electric Storage Type Water Heater  
**Model:** XTP series: XTP018208 XTP024208 XTP032208 XTP016480 XTP020480 XTP024480 XTP027480  
XTP036480 XTP048480 XTP054480  
PRO series: PR008240 PR011240 PR013240 PR018240 PR024240 PR027240 PR...  
**Endorsements:**  
**Tier:** 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 12/Jan/2026 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

Sohail Ahmed Mohammed,Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

**EEMAX INC.**

400 CAPTAIN NEVILLE DRIVE

WATERBURY CT

United States 06705

Telephone: (203) 580-8682

Fax:

Email: kenneth.thompson@eemax.com

Web: www.eemax.com

**Tier: 2 - PDA Issued**

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**Product:** Heater, Packaged Electric Storage Type Water Heater**Model:** XTP series: XTP018208 XTP024208 XTP032208 XTP016480 XTP020480 XTP024480  
XTP027480 XTP036480 XTP048480 XTP054480

PRO series: PR008240 PR011240 PR013240 PR018240 PR024240 PR027240 PR036240

**Endorsements:****Intended Service:**

Marine &amp; Offshore Applications - Designed to provide in-line potable hot water for onboard Marine vessels and offshore platforms applications.

**Description:**

Tankless electric water heaters consist of enclosure (water chamber/cabinet), copper immersion heating elements, electronic control and display that provide in-line potable hot water for applications requiring up to 180 degrees F. Model range includes units to support single use or multi-fixture applications. Options are available to include a NEMA cabinet for outdoor conditions or explosion proof conditions.

**Rating:**

XTP Series:

KW range: 16-54KW

Standard Voltages: 208V and 480V (3-phase Delta)

Flow range: 0.5-20GPM (1.89-75.7 LPM)

Max. Operating Pressure: 150psi (10.34 Bar)

Min. Operating Pressure: 35psi (2.41 Bar)

Optimum Operating Pressure: 60-90psi (4.13-6.2 Bar)

User Adjustable temperature setting: 60-180 °F (15.6-82 °C)

Pro Series:

KW range: 8-36KW

Standard Voltages: 208V and 240V

Flow range: 0.3-8GPM (1.14-30.3 LPM)

Max. Operating Pressure: 150psi (10.34 Bar)

Min. Operating Pressure: 25psi (1.72 Bar)

User Adjustable temperature setting: 80-140 °F (26.7-60 °C)

**Service Restriction:**

1. Unit Certification is not required for this product.
2. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
3. Electric heaters are not suitable to be used for hazardous area except for explosion-proof cabinet with purging system for the defined hazardous classification conditions. (see comment no. 3 below)
4. For use in weather exposed area, the electric heater shall be enclosed in a NEMA 4 or 4X enclosure.

**Comments:**

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. Material mill reports and FAT test reports are to be made available upon request.
3. For use in hazardous locations, the explosion-proof certification is to be provided and the purging system installation is to be subject to separate review and approval.

**Notes/Drawing/Documentation:**

Drawing No. SpecHomeAdvII, HomeAdvantage II Specifications, Revision: -, Pages: 2

Drawing No. XTPSpecSheet, XTP Specification, Pages: 2

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**Terms of Validity:**

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**STANDARDS**

**ABS Rules:**

2021 ABS Rules for Conditions of Classification, Part I: 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:  
2021 Marine Vessel Rules: 4-4-1/Table 2, 4-6-1/Table 1&2, 4-8-3/13.3.4, Table 2

2021 ABS Rules for Conditions of Classification Part I - Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3,, which covers the following:

2021 ABS Rules for Building and Classing Mobile Offshore Units 4-3-3/Table 1, 4-3-3/9.3.3, 6-1-5/Table 3

**National:**

ANSI/UL499 (2014)

CSA-C22.2 No. 64 (2019)

NSF-61 (2020)

**International:**

NA

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA