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CAMPLUX TE06ProN1

CAMPLUX TE06ProN1 6kW Tankless Electric Water Heater User Manual

Model: TE06ProN1

1. Introduction

Thank you for choosing the CAMPLUX TE06ProN1 6kW Tankless Electric Water Heater. This point-of-use water heater is designed to provide instant, continuous hot water for single-sink applications, such as kitchen or bathroom sinks. Featuring self-modulating technology, it adjusts power usage based on water flow, promoting energy efficiency. Its compact, wall-mounted design saves space, making it suitable for various small installations. This unit is CSA Certified and includes multiple safety features for reliable performance.



Image: The CAMPLUX TE06ProN1 6kW Tankless Electric Water Heater, a compact white unit designed for instant hot water.

2. Important Safety Information

Please read all instructions carefully before installation and operation. Failure to follow these instructions could result in property damage, personal injury, or death. Retain this manual for future reference.

- **Professional Installation Required:** Installation must be performed by a qualified electrician and plumber in accordance with all national and local electrical and plumbing codes.
- **Electrical Requirements:** This unit requires a dedicated 240V circuit with a 30A double-pole circuit breaker and 12 AWG wire size. Ensure proper grounding.
- **Water Pressure:** Ensure the water supply pressure is within the recommended range (up to 150 PSI maximum).
- **Water and Electricity Separation:** The unit features a separated water line design to prevent leakage and corrosion, enhancing safety.
- **Overheat Protection:** Equipped with an auto-shutoff mechanism for overheat protection.

- **Do Not Operate Dry:** Never operate the water heater without water flowing through it. Ensure the unit is filled with water before turning on power.
- **Temperature Settings:** The maximum temperature is 131°F (55°C). Exercise caution to prevent scalding.



Image: Diagram illustrating multiple protection features including water & electricity separation, sensitive leakage protection, dry combustion protection, IPX24 waterproof rating, over temperature protection, and troubleshooting self-test.

3. Setup and Installation

Proper installation is critical for the safe and efficient operation of your tankless water heater. It is strongly recommended that installation be performed by a licensed professional.

3.1 Mounting the Unit

- Select a suitable location near the point of use, such as under a sink. The unit is designed for wall mounting.
- Ensure there is adequate clearance around the unit for ventilation and maintenance.

- Use the provided mounting kits to securely fasten the water heater to a solid surface.



Image: A visual representation of the water heater's dimensions (10.95" x 7.4" x 2.52") and how it mounts to a wall, showing the included mounting hardware.

3.2 Plumbing Connections

- Connect the cold water inlet (blue) and hot water outlet (red) to your plumbing system using 1/2" NPT water connections.
- Ensure all connections are tight and leak-free. Use appropriate sealing materials.
- Open the hot water faucet at the sink to purge air from the system before turning on the power. Allow water to flow for a few minutes until it runs smoothly.



Image: Close-up of the 1/2" NPT standard pipe fittings on the water heater, highlighting proper connection to prevent leaks.

3.3 Electrical Connections

- This unit requires a dedicated 240V, 30A circuit.
- Use 12 AWG wire for the electrical connection.
- Connect the wires to a double-pole 30A circuit breaker.
- Ensure all electrical connections are secure and comply with local codes.



Image: Diagram showing electrical requirements: 12 AWG wire and a double-pole 30A circuit breaker connected to the water heater.

3.4 Installation Video

For a visual guide on installation, please refer to the video below. Note that this video demonstrates installation for a 4.5kW model, but the general steps are similar for the 6kW unit.

Your browser does not support the video tag.

Video: Installation guide for a CAMPLUX tankless electric water heater. Shows steps for connecting water pipes and electrical wiring. (Note: This video is for a 4.5kW model, but the installation process is largely the same.)

4. Operating Instructions

The CAMPLUX TE06ProN1 features an intelligent touch control panel for easy operation.

4.1 Power On/Off

- Press the power button (**O**) on the touch control panel to turn the unit on or off.

4.2 Temperature Adjustment

- Use the 'Increase/Up' (**^**) and 'Decrease/Down' (**v**) buttons to set your desired water temperature.
- The temperature range is typically between 85°F (29°C) and 131°F (55°C).
- The real-time water temperature and inlet water flow will be displayed on the LED screen.



Image: Close-up of the smart touch control panel showing power, increase/decrease buttons, and the digital display for temperature and flow rate.



Image: An LED digital display showing the current water temperature, indicating ease of adjustment.

4.3 Water Flow and Temperature Rise

The unit provides instant hot water with a temperature rise of 50°F at 1.0 GPM. The self-modulating technology ensures consistent temperature by adjusting power based on demand.



Image: A graph illustrating how the CAMPLUX tankless water heater maintains a constant temperature, providing timely hot water and saving energy.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your water heater.

- **Cleaning:** Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Scaling Prevention:** The cast aluminum heating element is designed to resist scaling, even with hard water. However, in areas with extremely hard water, periodic descaling by a professional may be beneficial.
- **Check for Leaks:** Periodically inspect all water connections for any signs of leaks. Address any leaks immediately.
- **Electrical Inspection:** Annually, have a qualified electrician inspect the electrical connections for tightness and signs of wear.

6. Troubleshooting

If you encounter issues with your water heater, refer to the following common problems and solutions. For persistent issues, contact customer support.

Common Error Codes and Solutions

Error Code	Description	Possible Cause / Solution
E1	Overheated	Internal temperature exceeded safe limits. Turn off power, allow to cool, check for obstructions in water flow. If issue persists, contact support.
E2	Leakage of Electricity	Indicates an electrical leakage. Immediately turn off power at the circuit breaker. Do not attempt to use. Contact a qualified electrician or customer support.
E3	Inlet Temperature Measurer Failure	Sensor malfunction. Contact customer support.
E4	Outlet Temperature Measurer Failure	Sensor malfunction. Contact customer support.

General Troubleshooting

- **No Hot Water:** Check if the unit is powered on. Ensure the circuit breaker is not tripped. Verify water supply is open.
- **Insufficient Hot Water:** Check the set temperature. Ensure the water flow rate is not exceeding the unit's capacity for the desired temperature rise. Refer to the sizing guide image for flow rate considerations.
- **Water Leaks:** Immediately turn off water supply and power. Inspect all connections for tightness. If a leak is from the unit itself, contact customer support.

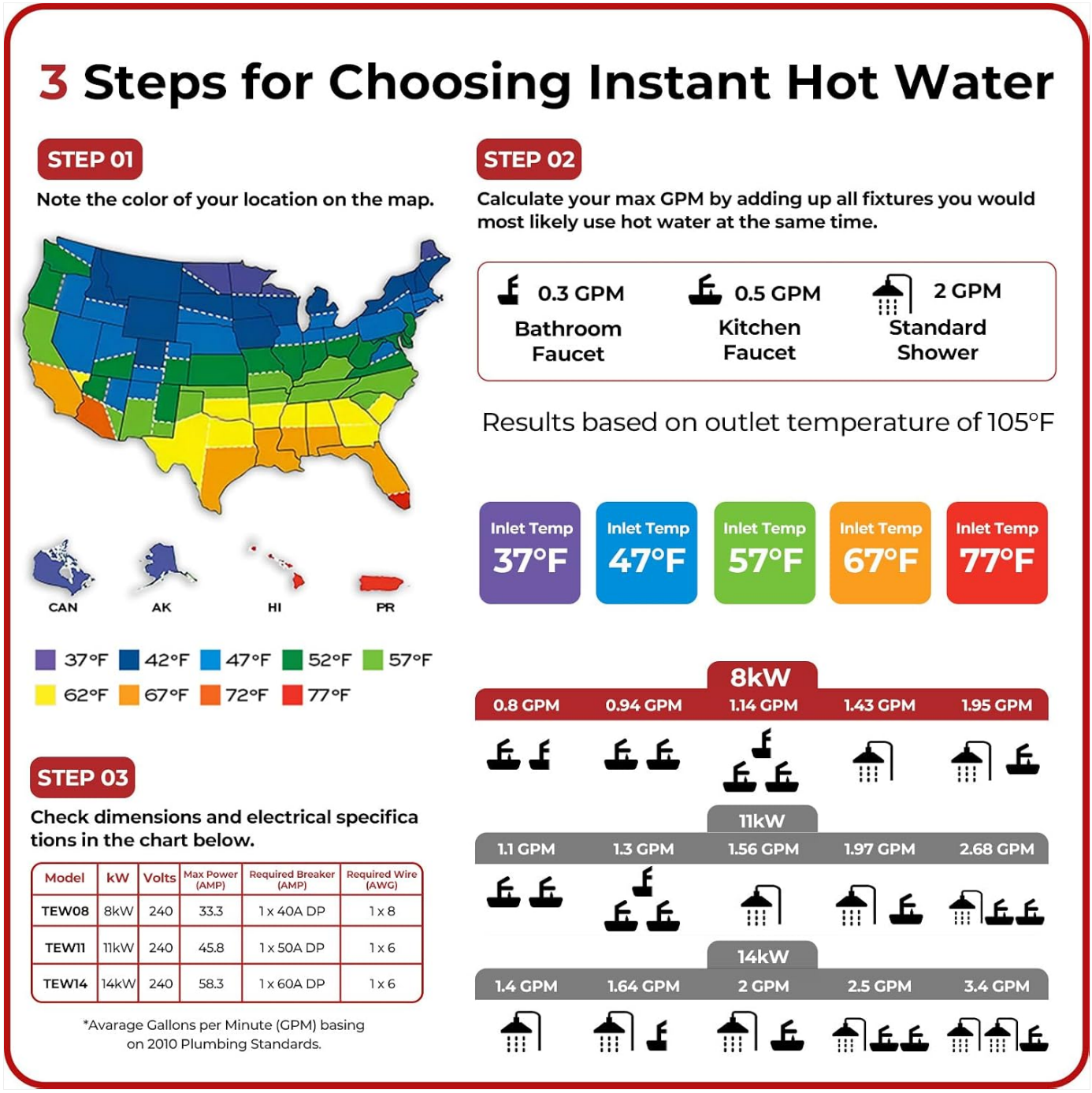


Image: A sizing guide showing 3 steps for choosing an instant hot water heater, including a map for inlet water temperatures and tables for GPM based on kW and inlet temperature.

7. Specifications

Below are the technical specifications for the CAMPLUX TE06ProN1 6kW Tankless Electric Water Heater.

Feature	Specification
Brand	CAMPLUX ENJOY OUTDOOR LIFE
Model Number	TE06ProN1
Wattage	6000 watts (6kW)
Voltage	240 Volts

Feature	Specification
Circuit Breaker Required	30A Double-Pole
Wire Size Required	12 AWG
Flow Rate	1.5 Gallons Per Minute (GPM)
Maximum Temperature	131 Degrees Fahrenheit (55°C)
Minimum Temperature	85 Degrees Fahrenheit (29°C)
Product Dimensions	7"W x 10"H x 2.52"D (10.95" x 7.4" x 2.52" as per image)
Item Weight	4 Pounds
Mount Type	Wall
Water Connection	1/2" NPT
Maximum Pressure	150 Pound per Square Inch (PSI)
Material Type	Aluminum, Stainless Steel
Special Features	Auto adjust power input, CSA Certified, No Leaking (separated water line), No corrosion

8. Warranty and Support

8.1 Limited Warranty

This CAMPLUX water heater comes with a **2-year limited warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use and service.

8.2 Customer Support

CAMPLUX offers **24/7 customer support services**. If you have any questions, require technical assistance, or need to make a warranty claim, please refer to the contact information provided on the back of your product manual or visit the official CAMPLUX website. We are committed to providing excellent service and support.

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