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> Nessxa 1.6 Gallon Mini Tank Water Heater Electric (Model YYJ250761-6L) User Manual

Nessxa YYJ250761-6L

Nessxa 1.6 Gallon Mini Tank Water Heater Electric

MODEL: YYJ250761-6L USER MANUAL

1. Introduction

Thank you for choosing the Nessxa 1.6 Gallon Mini Tank Water Heater. This electric point-of-use water heater is designed to provide rapid and stable hot water for various small-scale applications such as kitchens, offices, beauty salons, laboratories, and RVs. With its compact design and efficient heating, it offers a convenient solution for your hot water needs. Please read this manual thoroughly before installation and operation to ensure safe and optimal performance.

2. Safety Information

Your safety is paramount. This appliance has been designed with multiple safety features. Please adhere to all warnings and instructions to prevent injury or damage.

- **Overheating Protection:** The unit automatically cuts off power if the water temperature reaches 190°F (88°C) to prevent scalding and damage.
- **Dry Heating Protection:** Prevents the heating element from operating without water, protecting the unit from damage.
- **Overpressure Protection:** Integrated mechanisms to manage internal pressure safely.
- **Freeze Protection:** Helps prevent damage in cold environments.
- **IPX4 Waterproof Rating:** Provides protection against splashing water from any direction.
- **Pressure Relief Valve:** A crucial component for safety, ensuring pressure does not build up excessively.

WARNING: Always disconnect power before performing any maintenance or installation procedures. Do not operate the heater if it is damaged or malfunctioning. Ensure proper grounding.

ALL-ROUND SAFETY SHIELD

YOUR TRUSTED MINI TANK WATER HEATER



Figure 2.1: All-Round Safety Shield features of the water heater.

3. Product Features

The Nessxa 1.6 Gallon Mini Tank Water Heater is engineered for efficiency and durability, offering a reliable hot water supply.

- **Rapid Heating:** Equipped with a 1500W high-power heating tube, achieving over 90% thermal efficiency for quick hot water.
- **Compact Design:** Dimensions of 11.81"W x 9.84"D x 10.24"H (30cm x 25cm x 26cm) allow for installation under most sinks, maximizing space.
- **Adjustable Temperature:** Water temperature can be set from 50°F to 167°F (10°C to 75°C).
- **Durable Inner Tank:** Constructed from high-quality glass-lined steel (enamel steel) for excellent high-temperature and corrosion resistance, effectively resisting scale formation.
- **User-Friendly Interface:** Features a 'SET' button for easy switching between Celsius and Fahrenheit display, and a rotary knob for temperature adjustment.

1.6 GALLON

MINI TANK WATER HEATER



- **Rated Power:** 1500W
- **Rated Frequency:** 50Hz/60Hz
- **Rated Pressure:** 0.8Mpa
- **Plug:** UL Certification
- **Waterproof Grade:** IPX4
- **Capacity:** 1.6Gallons
- **Rated Voltage:** AC 110V
- **Cord Length:** 3.4ft
- **Temperature Range:** 50-167°F
- **Item Dimensions:** 11.81"*9.84"*10.24"

Figure 3.1: Product overview with key specifications and dimensions.

FAST HEATING & DURABLE

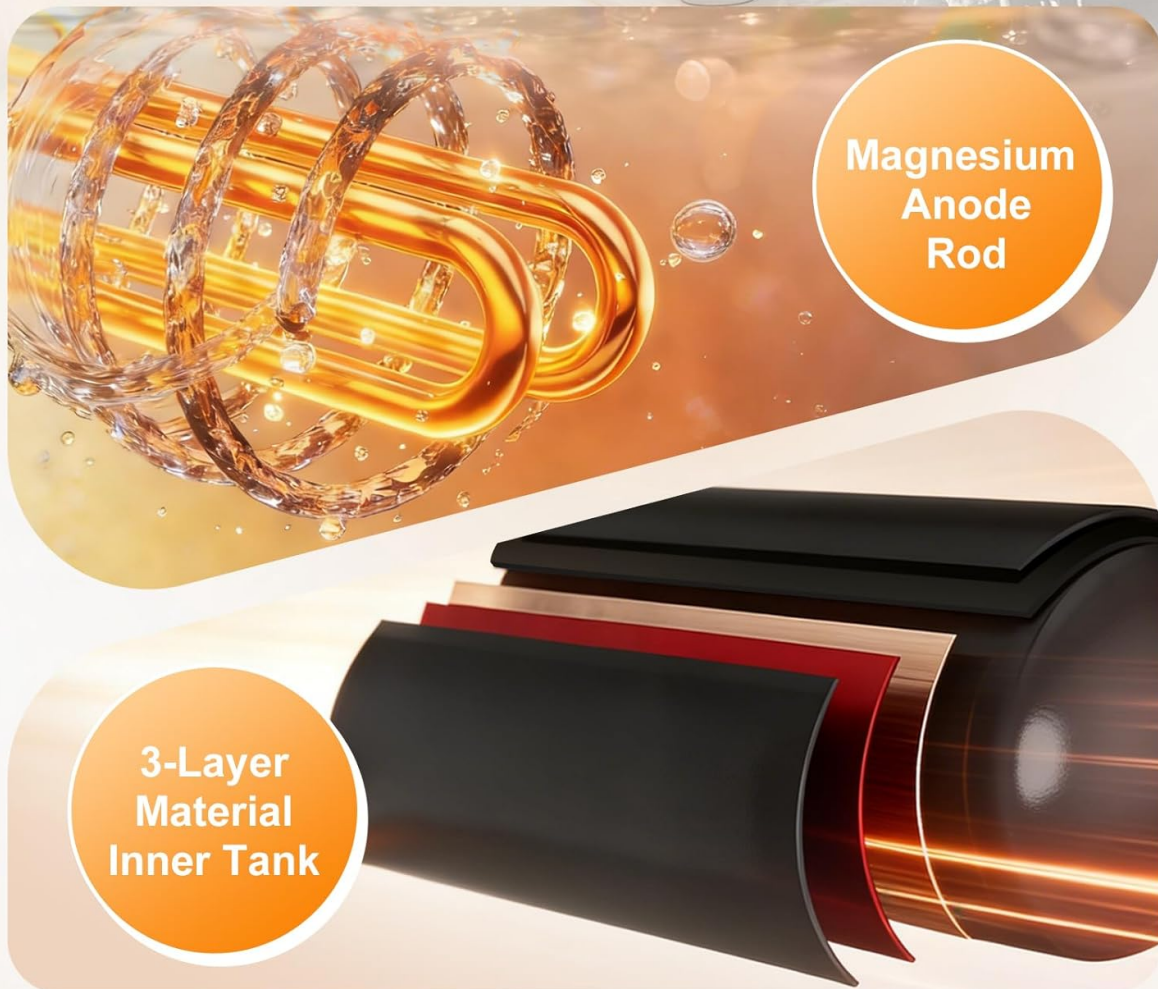


Figure 3.2: Internal structure highlighting the heating element, magnesium anode rod, and 3-layer inner tank.

4. Setup and Installation

The water heater supports multiple installation methods. Ensure you reserve adequate space as per the guidelines below.

4.1 Installation Methods

This unit can be installed in three ways:

- **Wall-Mounted:** Securely attach the unit to a sturdy wall using appropriate mounting hardware (included).
- **Bracket-Mounted:** Utilize a bracket for secure placement, often used in conjunction with wall mounting.
- **Floor-Standing:** Place the unit directly on the floor in a stable, level location.

Choose the method that best suits your on-site space conditions. A full set of installation accessories and detailed instructions are provided with the product.

TWO INSTALLATION METHODS

SPACE SAVING



Figure 4.1: Examples of wall-mounted and floor-standing installations.

4.2 Space Requirements

It is crucial to reserve sufficient space around the water heater for proper ventilation, operation, and future maintenance. Refer to the diagram below for minimum clearance requirements.

- Minimum 2 inches (5 cm) clearance on sides.
- Minimum 2 inches (5 cm) clearance at the front.
- Minimum 5 inches (12.7 cm) clearance above the unit.

The unit is designed for 110V/60Hz standard voltage. Ensure your electrical supply matches these requirements.



Figure 4.2: Recommended minimum reserved space for installation.

5. Operating Instructions

Operating your Nessxa water heater is straightforward. Follow these steps to adjust the temperature and settings.

5.1 Temperature Adjustment

The water temperature can be adjusted using the rotary knob on the front panel. Turn the knob to select your desired temperature within the range of 50°F to 167°F (10°C to 75°C).

5.2 Celsius/Fahrenheit Switching

To switch the temperature display between Celsius (°C) and Fahrenheit (°F), press the 'SET' button located on the control panel. This allows for simple and intuitive operation based on your preference.

1500W
RAPID HEATING &
ONE-CLICK SWITCH



Figure 5.1: Control panel with temperature display and SET button.

MULTI-SCENE ADAPTABILITY & EASY KNOB ADJUSTMENT



Figure 5.2: Temperature adjustment knob and multi-scene adaptability.

6. Maintenance

Regular maintenance ensures the longevity and efficient operation of your water heater.

- **Drainage:** Periodically drain the tank to remove sediment buildup. Refer to the detailed instructions in the full manual for the correct procedure.
- **Cleaning:** Clean the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Anode Rod Inspection:** The glass-lined steel tank and magnesium anode rod are designed to resist corrosion and scale. However, regular inspection of the anode rod (typically every 1-2 years) is recommended, especially in areas with hard water, to ensure continued protection.
- **Pressure Relief Valve:** Test the pressure relief valve annually to ensure it is functioning correctly. Follow the manufacturer's guidelines for testing.

CAUTION: Always turn off the power supply to the water heater before performing any maintenance.

7. Troubleshooting

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

more complex issues, contact customer support.

Problem	Possible Cause	Solution
No hot water	No power; thermostat set too low; overheating protection activated.	Check power supply/breaker; adjust thermostat; allow unit to cool and reset.
Insufficient hot water	Thermostat set too low; high hot water demand; sediment buildup.	Increase thermostat setting; reduce hot water usage; drain and flush tank.
Water leaking	Loose connections; faulty pressure relief valve; tank damage.	Tighten connections; inspect/replace pressure relief valve; contact support for tank issues.
Water too hot	Thermostat set too high.	Lower thermostat setting.

8. Specifications

Feature	Specification
Brand	Nessxa
Model Number	YYJ250761-6L
Capacity	1.6 Gallons
Power Source	AC
Voltage	110 Volts
Wattage	1500 Watts
Product Dimensions (W x D x H)	11.81" x 9.84" x 10.24" (30cm x 25cm x 26cm)
Item Weight	7.5 Pounds (3.4 kg)
Maximum Temperature	167 Degrees Fahrenheit (75 Degrees Celsius)
Special Features	Anti-Freezing Protection, Overheat Protection, Dry Heating Protection, Overpressure Protection, IPX4 Waterproof
Material Type	Glass Lined Steel (Enamel Steel)
UPC	631060185446

9. Warranty and Support

Nessxa products are manufactured to high-quality standards and are backed by a manufacturer's warranty. For specific warranty details, please refer to the warranty card included with your product or contact Nessxa customer support.

If you have any questions, require technical assistance, or need to report an issue, please contact Nessxa customer service through the retailer's platform or the official Nessxa website. Please have your model number (YYJ250761-6L) and purchase information ready when contacting support.

