Nessxa YYJ24039-4

Nessxa 8 Gallon Electric Mini Tank Water Heater (Model YYJ24039-4) User Manual

Brand: Nessxa | Model: YYJ24039-4

Introduction

This manual provides essential instructions for the safe installation, operation, and maintenance of your Nessxa 8 Gallon Electric Mini Tank Water Heater. Please read this manual thoroughly before installation and use, and retain it for future reference. Proper installation and adherence to these instructions are crucial for optimal performance and safety.

Important Safety Information

WARNING: Failure to follow these safety instructions could result in property damage, serious injury, or death.

- Installation must be performed by a qualified professional in accordance with all local plumbing and electrical codes.
- Do not operate the water heater if it is damaged or malfunctioning.
- Ensure the unit is properly grounded.
- Do not block or tamper with the pressure relief valve.
- Before performing any maintenance, disconnect power to the unit.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

The Nessxa 8 Gallon Electric Mini Tank Water Heater incorporates multiple safety features for peace of mind:



Image: Multi-protection features including IPX4 waterproof rating, water and electricity separation, overheat protection, anti-high voltage protection, and sensitive leakage protection.

Product Overview

The Nessxa 8 Gallon Electric Mini Tank Water Heater is designed to provide instant hot water at the point of use, reducing wait times and water waste. Its compact design allows for installation under sinks or counters.

Key Features:

- **Instant Hot Water:** Delivers hot water on demand, minimizing waiting.
- **Energy Efficient:** Adjustable thermostat (77°F - 176°F / 25°C - 80°C) and standby mode below 77°F/25°C to maximize energy savings.
- **Compact Design:** Suitable for wall or floor mounting under sinks or counters.
- **Durable Construction:** Exterior made of ABS material, internal tank of stainless steel for longevity and safety.
- **Safety Protections:** Features include IPX4 waterproof rating, water and electricity separation, overheat protection,

anti-high voltage protection, and sensitive leakage protection.

Product Dimensions:



Image: The water heater measures 11.8 inches in length, 11.8 inches in width, and 26.6 inches in height. It has an 8-gallon capacity, 10A ampere rating, IPX4 waterproof rating, 110V voltage, 0.8MPa pressure, and 1500W power.

Setup and Installation

NOTE: Professional installation is highly recommended to ensure proper function and safety, and to avoid installation errors.

Unpacking:

Carefully remove the water heater from its packaging. Inspect the unit for any signs of damage. Ensure all included components are present: colloidal particle (filter), drain hose, hook screws (2), instruction book, sealing washers (2).




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Heating
Ready



Image: The Nessxa 8 Gallon Electric Mini Tank Water Heater, showing the top water inlet/outlet connections (red for hot, blue for cold) and the front control panel with temperature dial and LED display. A pressure relief valve is visible at the top.

Mounting:

The unit can be wall-mounted or placed on the floor. When wall-mounting, ensure the wall structure can support the full weight of the water heater when filled with water (approximately 31.8 lbs unit weight + 8 gallons * 8.34 lbs/gallon = ~66.5 lbs total). Use the provided hook screws and appropriate anchors for your wall type.

Plumbing Connections:

1. Connect the cold water supply line to the blue inlet pipe on the top of the unit.
2. Connect the hot water outlet line to the red outlet pipe on the top of the unit.
3. Install the pressure relief valve (PRV) on the hot water outlet side or as specified by local codes. Ensure the PRV discharge pipe is directed to an appropriate drain.
4. Use the provided sealing washers to ensure watertight connections.
5. Once plumbing is complete, slowly open the cold water supply valve to fill the tank. Open a hot water faucet in your sink to allow air to escape. Close the faucet when a steady stream of water flows.
6. Check all connections for leaks.

Electrical Connection:

The water heater operates on 110V and requires a dedicated 1500W circuit. Ensure your electrical system can handle the load. The unit must be properly grounded. Consult an electrician if you are unsure about electrical requirements or connections.

Operating Instructions

Initial Power-Up:

After ensuring the tank is full of water and all plumbing connections are secure and leak-free, connect the unit to power. The LED display on the front panel will illuminate.



Image: Close-up of the water heater's user-friendly control panel, featuring an adjustable temperature dial and an LED display for easy viewing of the water temperature. Indicators for "Heating" and "Ready" are also visible.

Setting Water Temperature:

Rotate the knob on the electric water heater panel to set your desired water temperature. The adjustable range is 77°F - 176°F (25°C - 80°C). The LED display will show the current water temperature.

Heating Indicators:

- When the unit is heating water, the "Heating" indicator light will be on.
- Once the set temperature is reached, the "Ready" indicator light will illuminate, and the heating element will turn off.
- If the water temperature falls below 77°F (25°C), the unit will enter standby mode to conserve energy. It will automatically resume heating when the temperature drops below the set point.

Typical Applications:



Image: The Nessxa 8 Gallon Electric Mini Tank Water Heater is suitable for various hot water demands, including sink washing, supplying a washing machine, a dishwasher, or providing hot water for a quick shower.

Maintenance

Regular maintenance ensures the longevity and efficient operation of your water heater. Always disconnect power before performing any maintenance.

- **Pressure Relief Valve (PRV) Test:** Test the PRV at least once a year by lifting the lever. Water should discharge from the drain pipe. If no water discharges, or if it continues to drip, replace the PRV.
- **Draining the Unit:** If the unit will not be used for an extended period or if there is a risk of freezing, drain the tank completely. To drain, turn off the power, close the cold water supply valve, open a hot water faucet, and connect the drain hose to the drain valve (if present) or disconnect the cold water inlet to allow drainage.
- **Descaling:** Over time, mineral deposits (scale) can accumulate on the heating element, reducing efficiency. Descaling should be performed annually in areas with hard water. This process typically involves draining the tank and flushing it with a descaling solution. Consult a professional for descaling procedures if you are unfamiliar.

- **Exterior Cleaning:** Clean the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

Troubleshooting

Problem	Possible Cause	Solution
No hot water	No power; Thermostat set too low; Heating element failure.	Check power supply and circuit breaker; Adjust thermostat to a higher setting; Contact a qualified technician.
Water not hot enough	Thermostat set too low; Excessive hot water demand; Sediment buildup.	Increase thermostat setting; Allow more recovery time between uses; Descale the tank (professional recommended).
Leaking from unit	Loose plumbing connections; Faulty pressure relief valve; Tank leak.	Tighten connections; Test or replace PRV; Contact a qualified technician for tank leaks.
Noisy operation	Sediment buildup in tank.	Drain and flush the tank; Descale the heating element (professional recommended).

If you encounter issues not listed here or if solutions do not resolve the problem, please contact customer support or a qualified technician.

Specifications

Brand	Nessxa
Model Number	YYJ24039-4
Capacity	8 Gallons
Power Source	Electric
Wattage	1500 watts
Voltage	110 Volts (AC)
Maximum Temperature	176°F (80°C)
Dimensions (L x W x H)	11.8" x 11.8" x 26.6"
Item Weight	31.8 pounds
Mounting Type	Wall, Floor
Special Features	Energy Efficient, Smart Control
UPC	631060186870

Warranty and Customer Support

For warranty information, technical assistance, or to purchase replacement parts, please refer to the contact information provided with your product packaging or visit the official Nessxa website. Keep your purchase receipt as proof of purchase for warranty claims.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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