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> [sanheshun XY-A08AA 110V 3000W Tankless Electric Water Heater User Manual](#)

sanheshun XY-A08AA

sanheshun XY-A08AA 110V 3000W Tankless Electric Water Heater User Manual

Model: XY-A08AA | Brand: sanheshun

1. INTRODUCTION

Thank you for choosing the sanheshun XY-A08AA Tankless Electric Water Heater. This compact and efficient unit provides instant hot water for various applications, including kitchens, bathrooms, and washbasins. Featuring intelligent temperature control, remote operation, and multiple safety protections, this water heater is designed for convenience and reliability. Please read this manual thoroughly before installation and operation to ensure safe and optimal performance.

KITCHEN



BATHROOM



LAUNDRY ROOM



WASHBASIN

Figure 1.1: The sanheshun Tankless Electric Water Heater is suitable for various household applications such as kitchens, bathrooms, laundry rooms, and washbasins.

2. SAFETY INFORMATION

Your safety is paramount. Please observe the following precautions:

- **Electrical Safety:** This appliance requires a dedicated 110V, 3000W electrical circuit. Ensure proper grounding and use a circuit breaker of appropriate rating. Do not use extension cords.
- **Water Pressure:** Ensure water pressure is within the specified range (0.04-1.2 MPa) to prevent damage and ensure proper operation.
- **Installation:** Installation must be performed by a qualified professional in accordance with local electrical and plumbing codes.
- **Water and Electricity Separation:** The unit features water and electricity separation technology for enhanced safety.
- **IPX4 Waterproof:** The unit is IPX4 rated, protecting against splashing water. However, do not immerse the unit in water.
- **Anti-Dry Burning Protection:** The unit is equipped with protection against dry burning.
- **Leakage Detection:** The water heater includes leakage detection protection, which automatically cuts off power if a leak is detected.

6 MAIN PROTECTION FUNCTIONS



Figure 2.1: Overview of the 6 main protection functions: IPX4 waterproof, anti-electricity wall protection, water & electricity separation technology, dry burning protection, high water pressure protection, and leakage detection & protection.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Tankless Electric Water Heater Unit
- Smart Remote Control
- Water Temperature Regulating Valve (Faucet)
- Mounting Screws (x4)
- Wall Plugs (x4)
- Rubber Rings (x2)
- Instruction Manual

SPECIFICATIONS AND ACCESSORIES



Figure 3.1: Included components: Water heater unit, faucet, remote control, screws, wall plugs, rubber rings, and instruction manual.

4. PRODUCT FEATURES

- **Instant Heating:** Aluminum casting heating element provides immediate hot water without waiting.
- **Intelligent Control:** Features a real-time temperature display and precise temperature control (+0.5°C) via an AI intelligent thermostat chip.
- **Remote Operation:** Conveniently adjust water temperature with the included smart remote control.
- **Adjustable Water Flow:** The regulating valve allows adjustment of water flow and pressure.
- **Compact Design:** Small size (5.31"W x 9.45"H) and lightweight (3.74 lbs) for easy installation and space-saving.
- **Multiple Safety Protections:** Includes IPX4 waterproof rating, anti-electricity wall protection, water and electricity separation, dry burning protection, high water pressure protection, and leakage detection.

INTELLIGENT CONTROL

Can adjust different temperature and water quantity



Real-time temperature display



Temperature Control



Press the UP or DOWN key to adjust the temperature



Long press ON/OFF to switch between °C/°F



SMART REMOTE CONTROL



COLD/HOT WATER INLET



ADJUST WATER FLOW PRESSURE

Figure 4.1: Intelligent control panel with UP/DOWN buttons for temperature adjustment and ON/OFF button for power and unit switching.

AI INTELLIGENT THERMOSTAT CHIP

Precise temperature control $\pm 0.5^{\circ}\text{C}$ no longer tolerate hot and cold temperatures

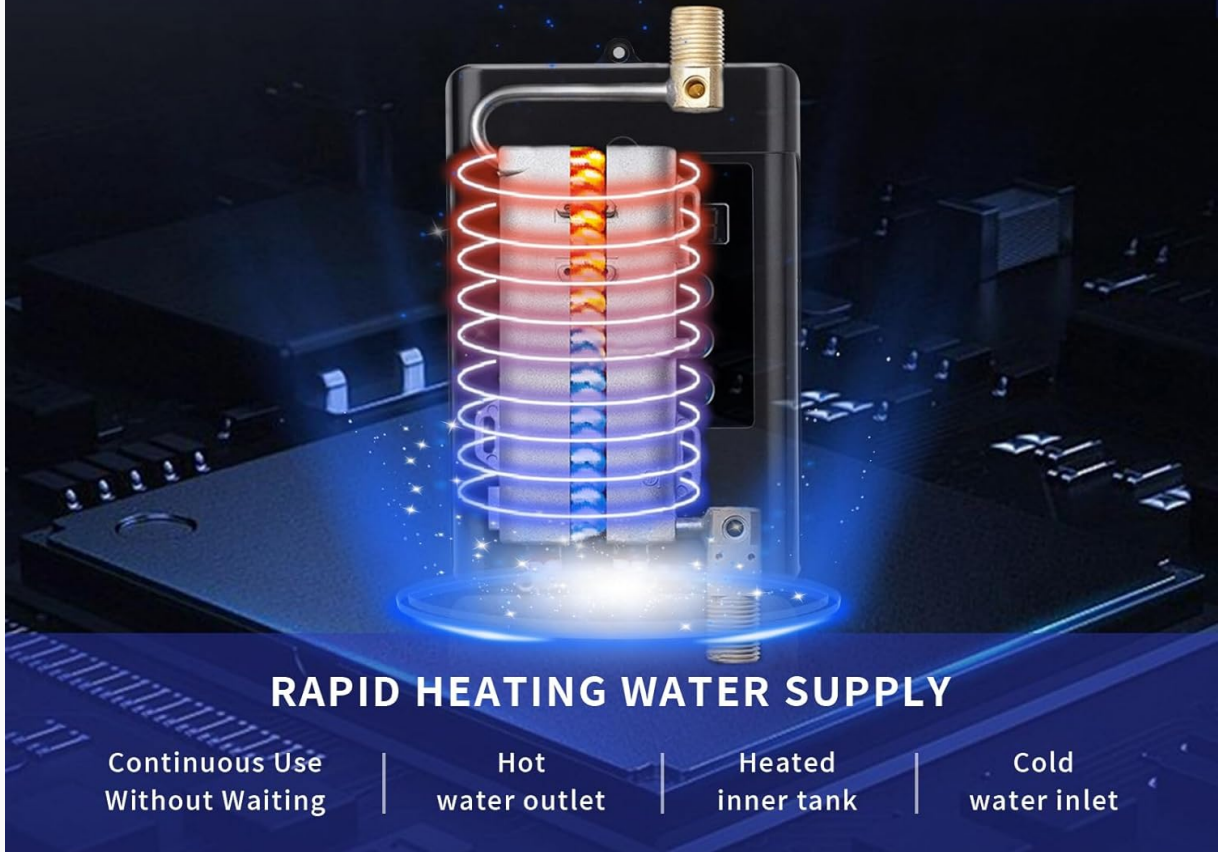


Figure 4.2: The AI intelligent thermostat chip ensures precise temperature control and rapid, continuous hot water supply.

5. SPECIFICATIONS

Specification	Detail
Brand	sanheshun
Model Number	XY-A08AA
Product Dimensions	5.31"W x 9.45"H (13.5cm W x 24cm H)
Item Weight	3.74 pounds (1.7 kg)
Voltage	110 Volts
Wattage / Heat Output	3000 Watts
Frequency	50-60Hz
Water Pressure Range	0.04-1.2 MPa

Waterproof Grade	IPX4
Mounting Type	Wall
Special Feature	Remote temperature control

6. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your water heater. It is highly recommended that installation be performed by a qualified electrician and plumber.

Installation Steps:

1. **Choose Location:** Select a suitable wall location near the water supply and electrical outlet, ensuring it is protected from freezing temperatures.
2. **Mark Drilling Points:** Hold the water heater against the wall at the desired mounting height and mark the screw locations.
3. **Drill Holes:** Use an electric drill to create holes at the marked points.
4. **Insert Wall Plugs:** Insert the provided wall plugs into the drilled holes.
5. **Mount Water Heater:** Align the water heater with the wall plugs and secure it using the provided screws.
6. **Connect Water Inlet:** Connect the cold water supply line to the inlet at the bottom of the water heater. Ensure a tight, leak-free connection.
7. **Connect Water Outlet:** Connect the hot water output line to the outlet at the top of the water heater. Ensure a tight, leak-free connection.
8. **Connect Faucet/Shower:** Connect the hot water output line to your faucet or shower head.
9. **Flush System:** Before plugging in, open the hot water faucet and allow water to flow through the unit for a few minutes to purge any air from the system. This prevents dry burning.
10. **Plug In:** Once the system is flushed and all connections are secure and leak-free, plug the water heater into a dedicated 110V electrical outlet.

Visual Installation Guide:

Your browser does not support the video tag.

Video 6.1: This video demonstrates the installation process for the sanheshun Tankless Electric Water Heater, including marking screw locations, drilling, mounting the unit, connecting water lines, and plugging in the power.



Figure 6.2: Installation diagrams for shower and kitchen/bathroom applications, illustrating water pipe connections.

7. OPERATING INSTRUCTIONS

Operating your sanheshun water heater is straightforward:

- **Power On/Off:** Press the **ON/OFF** button on the unit or remote control to turn the heater on or off.
- **Adjust Temperature:** Use the **UP** or **DOWN** buttons on the unit or remote to set your desired water temperature. The LCD display will show the current temperature.
- **Switch Temperature Unit:** Long press the **ON/OFF** button to switch between Celsius (°C) and Fahrenheit (°F) display modes.
- **Adjust Water Flow:** Use the physical regulating valve (faucet) to adjust the water flow and pressure to your preference. Note that higher flow rates may result in slightly lower output temperatures, especially in colder climates.

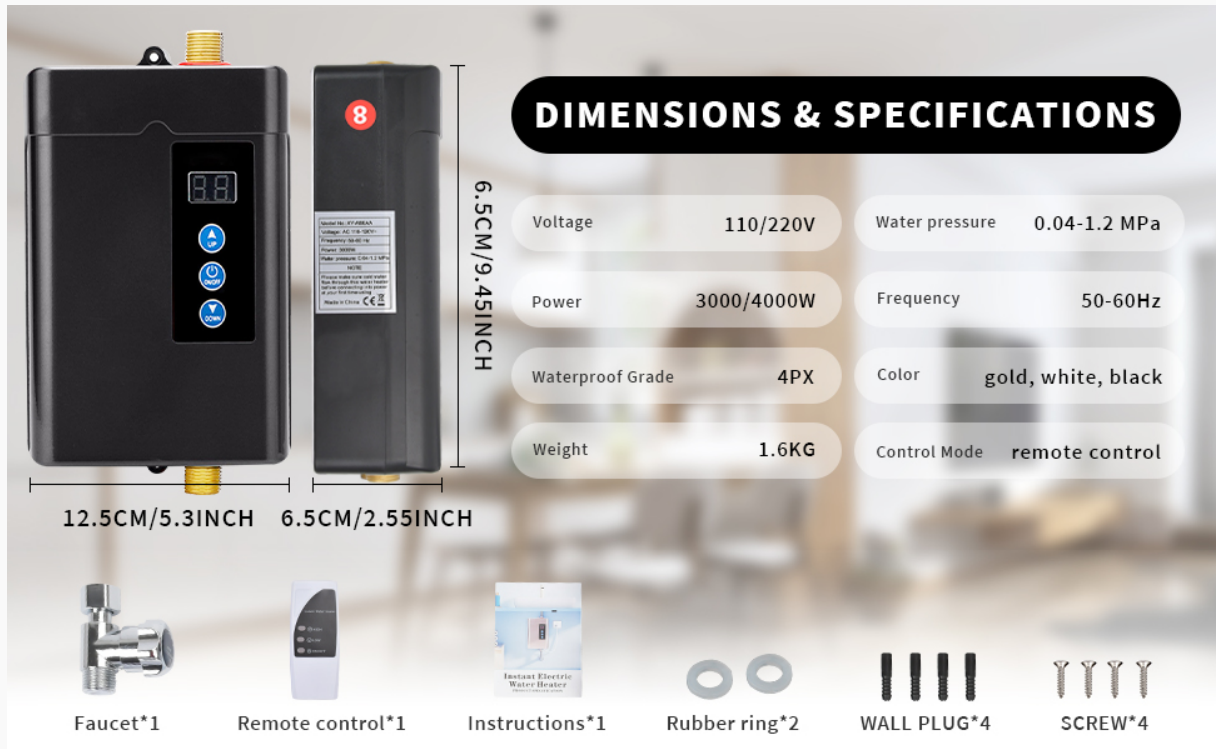


Figure 7.1: Operating the water heater using the unit's buttons or the smart remote control.

8. MAINTENANCE

Regular maintenance helps ensure the longevity and efficiency of your water heater:

- **Cleaning:** Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Descaling:** Depending on your water hardness, periodic descaling may be necessary to prevent mineral buildup. Consult a qualified plumber for descaling procedures.
- **Inspect Connections:** Periodically check water and electrical connections for any signs of leaks or damage. Tighten as necessary.
- **Winterization:** If the unit is installed in an area prone to freezing, ensure it is properly drained and disconnected from the water supply during cold periods to prevent damage.

9. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No hot water / Unit not turning on	No power, circuit breaker tripped, water supply off.	Check power connection, reset circuit breaker, ensure water supply is open.
Water not hot enough	Temperature setting too low, high water flow rate, cold incoming water temperature.	Increase temperature setting, reduce water flow, allow more time for heating if incoming water is very cold.
Error Code E2 displayed	Heating element issue or internal fault.	Turn off power, wait a few minutes, then restart. If the error persists, contact customer support.
Water leakage	Loose connections, damaged seals.	Immediately turn off water supply and power. Inspect and tighten connections. If damage is found, contact customer support.

For issues not listed here or if problems persist, please contact customer support.

10. WARRANTY AND SUPPORT

The sanheshun Tankless Electric Water Heater comes with **a three-year after-sales warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or any questions regarding your product, please contact sanheshun customer support through the retailer where you purchased the product or visit the official sanheshun store on Amazon: [sanheshun Amazon Store](#).

Please have your model number (XY-A08AA) and purchase information ready when contacting support.