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LALAHOO WQ-WH-9KW

LALAHOO 240V 9kW Tankless Water Heater Instruction Manual

Model: WQ-WH-9KW

1. 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.

- **Professional Installation Required:** Installation must be performed by a qualified plumber and electrician in accordance with all local, state, and national plumbing and electrical codes.
- **Electrical Requirements:** This unit requires 240V power. Ensure your electrical system can support a 9kW appliance. Required breaker: 1 x Double-POLE 60AMP. Wire gauge: 8AWG.
- **Water Pressure:** The internal heating element is made of cast aluminum and can withstand a pressure of 55 PSI. A pressure relief valve is not required for this unit.
- **Safety Features:** The unit includes Dry Combustion Protection, High Water Pressure Protection, Low Water Flow Protection, Overheat Protection, and Leakage Protection.
- **Water and Electricity Separation:** Designed with separated water and electricity paths for enhanced safety.
- **Operating Temperature:** Adjustable temperature from 86°F to 137°F.

2. Product Overview

The LALAHOO 240V 9kW Tankless Water Heater provides instant hot water on demand, eliminating waiting times and saving energy. Its self-modulating technology adjusts heating power based on water temperature and flow rate to maintain a consistent output temperature.
This compact unit is suitable for various small spaces including bathrooms, under-sink areas, yachts, restaurants, hospitals, and schools.

Key Features:

- Instant hot water delivery.
- Self-modulating power for energy efficiency and stable temperature.
- LED display for real-time information (flow rate, power status, error indicators).
- Adjustable temperature range: 86°F to 137°F.
- Multiple safety protections: overheat, high/low pressure, leakage, dry combustion.
- Compact design for flexible installation.

3. Specifications

Feature	Specification
Brand	LALAHOO
Model Number	WQ-WH-9KW
Product Dimensions (H x W x D)	16.1" (40.8cm) x 9.8" (25cm) x 1.6" (4cm)
Item Weight	8.37 pounds
Wattage	9 KW
Voltage	240 Volts
Maximum Flow Rate	3 Gallons Per Minute (GPM)
Maximum Temperature	137°F (approx. 130.98°F)
Heat Output	9 Kilowatts
Efficiency	High
Maximum Operating Pressure	55 Pound per Square Inch (PSI)
Mounting Type	Wall
Required Breaker	1 x Double-POLE 60AMP
Required Wire Gauge	8AWG
Color	White
Certifications	ETL Certified

Note: Specifications are subject to change without notice.

4. Installation

Installation of this tankless water heater requires professional expertise in both plumbing and electrical systems. Ensure all local, state, and national codes are strictly followed.

4.1 Pre-Installation Checklist:

- Verify electrical supply meets 240V, 9kW, 37.5 Amp max draw requirements.
- Confirm availability of a 1 x Double-POLE 60AMP breaker and 8AWG wire.
- Ensure water supply lines are accessible and compatible with 3/4 NPT connections.
- Select a suitable wall-mounting location, considering product dimensions (16.1" H x 9.8" W x 1.6" D) and proximity to water and electrical connections.
- Unpack all components and verify against the included parts list (Instruction Manual, 2x Washer with Filter, 2x Mounting Bracket, 4x Wall Anchor and Screws).

4.2 Mounting the Unit:

Use the provided mounting brackets, wall anchors, and screws to securely attach the unit to a sturdy wall surface. Refer to the installation diagram for proper placement of mounting points.



Image: Product dimensions and bottom view showing water inlet and outlet connections.

4.3 Plumbing Connections:

Connect the cold water inlet (blue) and hot water outlet (red) to your plumbing system using 3/4 NPT connections. Ensure all connections are watertight. This unit does not require a pressure relief valve due to its robust internal heating element designed to withstand 55 PSI.

4.4 Electrical Connections:

Connect the unit to the dedicated 240V electrical circuit. Follow the wiring diagram carefully. Ensure the ground wire is properly connected. All electrical work must comply with applicable codes.



Image: Electrical and plumbing installation diagram.

4.5 Installation Video Guide:

For a visual guide on the installation process, please refer to the official installation video below. This video demonstrates key steps for mounting and connecting the unit.

Your browser does not support the video tag.

Video: Official LALAHOO Tankless Water Heater Installation Guide. This video provides a step-by-step visual demonstration of how to install the water heater, including mounting, plumbing, and electrical connections.

4.6 Water Temperature vs. Flow Rate:

The performance of the tankless water heater depends on the incoming water temperature and desired flow rate. The chart below illustrates approximate usage based on inlet water temperature and GPM.



Image: Inlet water temperature map and GPM usage chart.

5. Operation

Operating the LALAHOO Tankless Water Heater is straightforward thanks to its intuitive LED display and touch controls.

5.1 Initial Startup:

1. Ensure the unit is properly installed and all water and electrical connections are secure.
2. Open a hot water faucet in your home to allow water to flow through the unit and purge any air from the system.
3. Once water is flowing steadily from the faucet, turn on the electrical power to the unit at the circuit breaker.
4. Press the Power On/Off button on the unit's touch panel.

5.2 Setting Temperature:

Use the "+" and "-" buttons on the control panel to adjust the desired water temperature. The LED display will show the current temperature setting. The unit will automatically heat the water to your selected temperature.



Image: LED display and touch panel controls.

5.3 LED Display Indicators:

- **Temperature Display:** Shows the current output water temperature in °F or °C.
- **Water Flow (GPM):** Indicates the current water flow rate.
- **Power Status:** Bar indicators show the heating power level being used.
- **Working State:** An icon indicates when the unit is actively heating water.
- **Over Flow:** Indicates excessive water flow.
- **Fault Prompt:** Error indicators will appear here if any issues are detected. Refer to the Troubleshooting section for details.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your tankless water heater. Always disconnect power to the unit before performing any maintenance.

- **Cleaning the Exterior:** Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inlet Filter Cleaning:** Periodically check and clean the inlet water filter to prevent sediment buildup, which can affect flow rate and heating efficiency. Turn off water supply and power before accessing the filter.
- **Descaling (if necessary):** In areas with hard water, mineral buildup (scale) can occur. If you notice reduced hot water flow or efficiency, descaling may be required. This process typically involves circulating a descaling solution through the unit. Consult a qualified professional for descaling procedures.
- **Annual Inspection:** It is recommended to have a qualified professional inspect the unit annually to ensure all connections are secure and the unit is operating correctly.

7. Troubleshooting

If you encounter issues with your LALAHOO Tankless Water Heater, refer to the following common troubleshooting steps. For persistent problems, contact customer support or a qualified technician.

Problem	Possible Cause	Solution
No hot water / Unit not turning on	No power, circuit breaker tripped, insufficient water flow.	Check circuit breaker. Ensure adequate water flow (minimum activation flow). Verify power connection.
Water not hot enough	Temperature setting too low, high flow rate exceeding capacity, cold inlet water temperature.	Increase temperature setting. Reduce water flow. Refer to the GPM usage chart in Section 4.6.
Fluctuating water temperature	Inconsistent water flow, air in the system, mineral buildup.	Ensure stable water pressure. Purge air from the system. Consider descaling if in hard water area.

Problem	Possible Cause	Solution
Error code on LED display	Internal fault, sensor issue, specific operational problem.	Note the error code and consult the full product manual or contact customer support for specific code meanings and solutions.
Water leakage	Loose connections, damaged seals, internal component failure.	Immediately turn off water supply and power. Check all plumbing connections for tightness. Contact a qualified plumber.

8. Warranty and Support

For warranty information and customer support, please refer to the warranty card included with your product or visit the official LALAHOO website. Keep your purchase receipt as proof of purchase.
When contacting support, please have your model number (WQ-WH-9KW) and purchase date readily available.

Visit the LALAHOO Store on Amazon

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