USHA Aquerra 25 Litre

Usha Aquerra 25 Litre 5 Star Storage Water Heater

Model: Aquerra 25 Litre

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Usha Aquerra 25 Litre 5 Star Storage Water Heater. Please read all instructions carefully before installation and use, and retain this manual for future reference.



Figure 1: Front view of the Usha Aquerra 25 Litre Storage Water Heater, showing the power indicator, heating indicator, and temperature control knob.

2. Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- Ensure the water heater is installed by a qualified technician in accordance with local codes and this manual.
- Do not operate the water heater if it is damaged or malfunctioning.
- Ensure proper grounding to prevent electric shock.
- Do not block the pressure relief valve. Regular inspection of this valve is recommended.
- Keep flammable materials away from the water heater.
- Always disconnect power before performing any maintenance or repairs.
- The water heater operates at high temperatures. Exercise caution to avoid scalding.

3. Product Features

The Usha Aquerra 25 Litre Storage Water Heater is designed for efficiency and durability.

- **Capacity:** 25 Litres
- **Energy Rating:** 5 Star BEE Rating for energy efficiency.
- **Heating Element:** SS316 Heating Element for rapid water heating.
- **Inner Tank:** Glass line coating on the inner tank for extended lifespan and corrosion resistance.
- **Pipes:** Liquid Enamel coated inlet/outlet pipes to prevent rust.
- **Technology:** Performance Based Heattech technology for optimized hot water utilization and energy efficiency.
- **Safety:** Equipped with multiple safety features including over-temperature protection and dry heating protection.
- **Weather Proofing:** IPX4 rated for weather resistance.



Figure 2: Key features of the Usha Aquerra Water Heater, including IntelliValve, Glass Line Coating, Anti-Bacterial Sterilization, Weather Proofing IPX4, Temperature Sensor, and Dry Heating Protection.

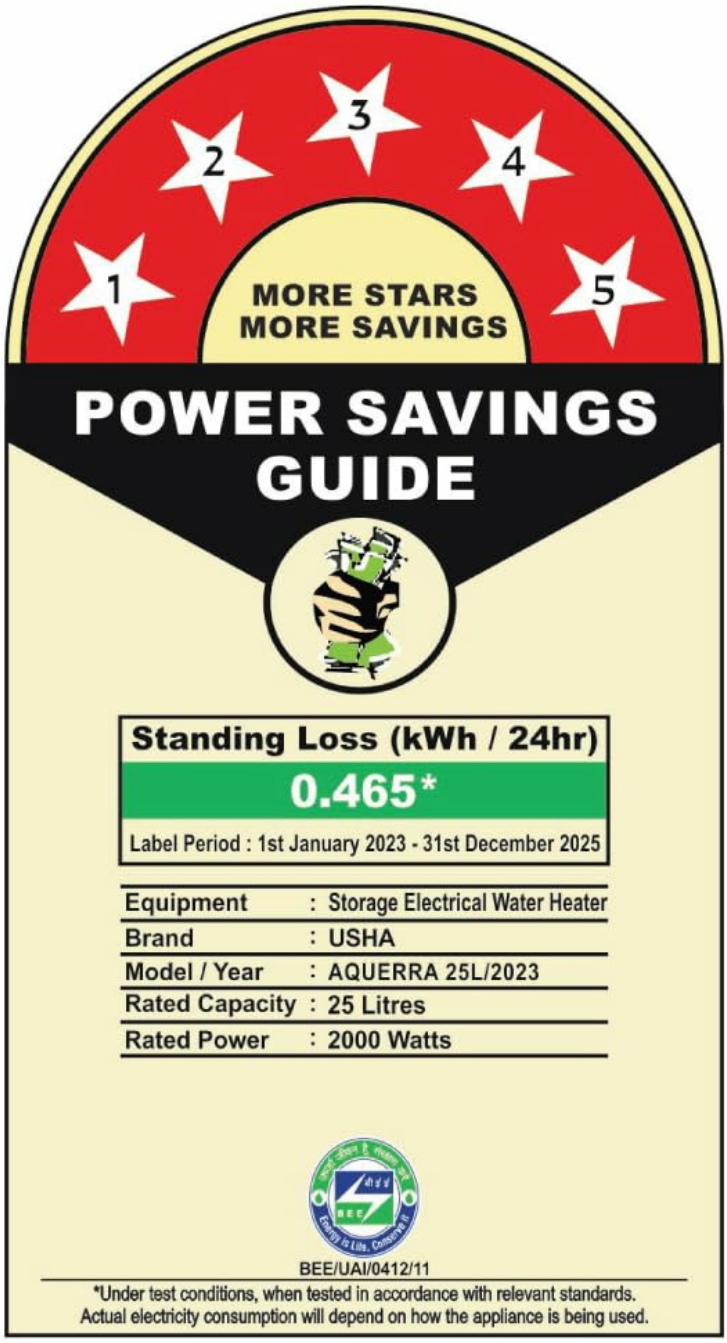


Figure 3: The BEE 5 Star Power Savings Guide label, indicating the energy efficiency of the Usha Aquerra 25 Litre model.

4. Setup and Installation

The Usha Aquerra water heater is designed for wall mounting. An installation kit is included in the packaging. For professional installation, contact Usha customer care.

4.1 Pre-Installation Checklist

- Verify that the installation location is suitable for wall mounting and can support the weight of the water heater when full.
- Ensure adequate space for maintenance and ventilation.
- Confirm availability of appropriate water inlet/outlet connections and electrical supply (230 Volts, 2000 Watts).
- Check that the maximum water pressure does not exceed 8 Bars.

4.2 Mounting the Unit

Use the provided mounting brackets and hardware to securely attach the water heater to a sturdy wall. Refer to the diagram below for the back mounting mechanism and inlet/outlet connections.



Figure 4: Rear view of the Usha Aquerra Water Heater, illustrating the inlet (blue), outlet (red), and the back mounting mechanism for wall installation.

4.3 Water and Electrical Connections

- Connect the cold water supply to the inlet pipe (typically marked blue).
- Connect the hot water outlet to your household plumbing (typically marked red).
- Ensure all connections are watertight.
- Fill the tank with water before connecting to the electrical supply. Open a hot water faucet to allow air to escape until water flows steadily.
- Connect the power cord to a properly grounded electrical outlet.

5. Operating Instructions

Once installed and filled with water, your Usha Aquerra water heater is ready for operation.

5.1 Powering On

Switch on the main power supply to the water heater. The 'Power' indicator light on the front panel will illuminate.

5.2 Setting Temperature

Rotate the temperature control knob on the front panel to your desired hot water temperature. The 'Heating' indicator light will illuminate when the element is actively heating the water.

5.3 Heating Cycle

The water heater will automatically heat the water to the set temperature and then switch off. The heating cycle typically takes approximately 15 minutes for a full tank, depending on the incoming water temperature. The 'Heating' indicator will turn off once the desired temperature is reached. It will reactivate when the water temperature drops below the set point.

5.4 Energy Saving Tips

- Set the temperature to a comfortable level, avoiding excessively high settings.
- Consider turning off the water heater when not in use for extended periods.

6. Maintenance

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

6.1 General Cleaning

- Wipe the exterior of the water heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the area around the water heater is kept clean and free of obstructions.

6.2 Annual Inspection (Recommended)

It is recommended to have a qualified technician perform an annual inspection, which may include:

- Checking the pressure relief valve for proper operation.
- Inspecting the heating element and inner tank for scale buildup (benefited by glass line coating).
- Verifying electrical connections and grounding.
- Checking for any leaks in the plumbing connections.

7. Troubleshooting

Refer to the following table for common issues and their potential solutions.

Problem	Possible Cause	Solution
No hot water	No power supply; thermostat setting too low; heating element failure.	Check power switch/breaker; adjust thermostat; contact service.
Water not hot enough	Thermostat setting too low; excessive hot water usage; faulty thermostat.	Increase thermostat setting; allow time for reheating; contact service.

Problem	Possible Cause	Solution
Water heater making unusual noises	Sediment buildup in tank; loose components.	Contact service for descaling or inspection.
Water leaking	Loose connections; faulty pressure relief valve; tank corrosion.	Tighten connections; inspect/replace pressure relief valve; contact service for tank issues.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact Usha customer care.

8. Specifications

Feature	Detail
Brand	USHA
Model Number	4687AQ25AX526N
Capacity	25 Liters
Power Source	Electric
Wattage	2000 Watts
Voltage	230 Volts
Efficiency	High (5 Star BEE Rating)
Maximum Pressure	8 Bars
Mount Type	Wall
Item Weight	13520 Grams
Material Type	Acrylonitrile Butadiene Styrene
Special Features	Energy Efficient, Fast Heating, Rust Proof, Over Temperature Protection
Included Components	1 unit Product, Instruction Manual, Warranty Card

9. Warranty

Your Usha Aquerra 25 Litre Storage Water Heater comes with the following warranty:

- **Tank:** 8 years
- **Heating Element:** 3 years
- **Product:** 2 years

Please retain your purchase receipt for warranty claims. The warranty covers manufacturing defects under normal use conditions. For detailed terms and conditions, refer to the warranty card included with your product.

10. Support and Contact Information

For any queries, service requests, or installation assistance, please contact Usha customer care.

- **Customer Care Number:** 1800-1033-111
- **Manufacturer Contact:** Usha International Ltd., Road No. 3, Plot no. 15, Sector 32, Gurgaon, Haryana, India - 122001
- **Email:** corporate@usha.com
- **Website:** usha.com

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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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