

Thermex ER80H

Thermex ER80H Horizontal 80 Liter Electric Water Heater User Manual

Model: ER80H

1. INTRODUCTION

Thank you for choosing the Thermex ER80H Horizontal 80 Liter Electric Water Heater. This manual provides important information regarding the safe installation, operation, and maintenance of your new appliance. Please read these instructions carefully before installation and use, and keep them for future reference. This water heater is designed for indoor installation and provides a reliable supply of hot water for domestic use.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions could result in electric shock, fire, property damage, or personal injury.

- **Professional Installation Required:** For safety and warranty validation, the installation and initial commissioning of this water heater must be performed by a qualified and certified professional.
- **Electrical Safety:** Ensure the electrical supply matches the specifications of the water heater. The appliance must be properly grounded. Do not operate with damaged cords or plugs.
- **Water Pressure:** The water heater must be connected to a water supply with appropriate pressure. Install a pressure relief valve as required by local regulations.
- **Temperature Settings:** Be cautious when setting high temperatures to avoid scalding. Consider installing thermostatic mixing valves at hot water outlets.
- **Maintenance:** Regular maintenance, including descaling and checking connections, should be performed by a qualified technician.
- **Children and Vulnerable Persons:** 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.

3. SETUP AND INSTALLATION

The Thermex ER80H is a horizontal electric water heater designed for indoor installation. Due to its electrical and plumbing requirements, **professional installation is mandatory**.

3.1. Choosing an Installation Location

- Select a location that is protected from freezing temperatures.
- Ensure the wall or support structure can safely bear the weight of the water heater when full (approx. 80 kg + unit weight).
- Provide adequate clearance around the unit for maintenance and servicing.
- Install near a floor drain or provide a suitable drip pan with drainage to prevent water damage in case of leaks.

3.2. Plumbing Connections

- Connect the cold water inlet and hot water outlet according to the markings on the unit.
- Install a pressure relief valve (T&P valve) as per local codes. Ensure the discharge pipe from the T&P valve is directed downwards and terminates with an air gap over a suitable drain.
- Flush the tank thoroughly before connecting to the hot water system to remove any debris.

3.3. Electrical Connections

- Ensure the main power supply is turned off at the circuit breaker before making any electrical connections.
- Connect the water heater to a dedicated circuit with appropriate overcurrent protection (fuse or circuit breaker).
- The appliance must be properly grounded. Follow all local electrical codes.
- The water heater operates at 1500 Watts. Ensure your electrical system can support this load.

After installation, ensure the tank is completely filled with water before turning on the power supply to prevent damage to the heating element.

4. OPERATING INSTRUCTIONS

4.1. Initial Start-up

1. Ensure the water heater is completely filled with water. Open a hot water faucet in your home until water flows freely, indicating the tank is full and air has been purged.
2. Turn on the electrical power supply to the water heater at the circuit breaker.
3. The water heater will begin heating the water to the factory preset temperature or the last set temperature.

4.2. Temperature Adjustment

The Thermex ER80H typically features a thermostat control, often located behind a cover panel at the bottom of the unit. Consult your installer or the specific diagram for your model to locate and adjust the temperature dial.

- **Lower Temperatures:** Setting the temperature lower can save energy and reduce the risk of scalding.

- **Higher Temperatures:** Higher temperatures provide more hot water capacity but increase energy consumption and scalding risk.

Always exercise caution when adjusting water temperature. Test the water temperature at the faucet before use, especially for children or elderly individuals.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Thermex ER80H water heater. It is recommended that maintenance be performed by a qualified technician.

5.1. Annual Inspection

- **Pressure Relief Valve Test:** Annually test the pressure relief valve by lifting the lever. Water should discharge from the drain pipe. If no water discharges, or if the valve does not reseat properly, replace it immediately.
- **Anode Rod Check:** The anode rod protects the tank from corrosion. It should be inspected and replaced every 1-3 years, depending on water quality.
- **Sediment Flush:** Drain a few liters of water from the tank annually to remove sediment buildup, which can reduce efficiency and tank life.
- **Electrical Connections:** Have a technician check all electrical connections for tightness and signs of corrosion.

Always disconnect power to the water heater before performing any maintenance.

6. TROUBLESHOOTING

Before attempting any repairs, ensure the power supply to the water heater is disconnected. For complex issues, contact a qualified technician.

Problem	Possible Cause	Solution
No hot water or insufficient hot water	<ul style="list-style-type: none"> • No power supply • Thermostat set too low • Heating element failure • Tank too small for demand 	<ul style="list-style-type: none"> • Check circuit breaker/fuse. • Adjust thermostat to a higher setting. • Contact technician for element replacement. • Reduce hot water usage or consider a larger unit.
Water leaking from unit	<ul style="list-style-type: none"> • Loose plumbing connections • Pressure relief valve discharge • Tank corrosion/failure 	<ul style="list-style-type: none"> • Tighten connections (ensure power is off and water supply is off). • Check water pressure; ensure T&P valve is not faulty. • Contact technician; tank replacement may be necessary.
Unusual noises (e.g., popping, rumbling)	<ul style="list-style-type: none"> • Sediment buildup in tank 	<ul style="list-style-type: none"> • Flush the tank to remove sediment.

7. SPECIFICATIONS

Below are the technical specifications for the Thermex ER80H Electric Water Heater:

Feature	Specification
Brand	Thermex
Model Number	ER 80 H
Capacity	80 Liters
Power Source	Electric Wired
Wattage / Heat Output	1500 Watts
Item Weight	49.38 Pounds (approx. 22.4 kg)
Installation Style	Indoor Installation
ASIN	B00C77G2NS

7.1. Energy Label

The energy label provides information on the energy efficiency and annual energy consumption of the water heater.



Image: Energy label for Thermex ER80H water heater. It displays an energy efficiency class of C, a noise level of 15 dB, and an annual energy consumption of 1432 kWh. The label also indicates the model THERMEX ER 80 H and compliance with regulations 2015 and 812/2013.

8. WARRANTY INFORMATION

The manufacturer's warranty for the Thermex ER80H water heater requires proof of installation and commissioning by a qualified specialist company. Please retain all installation documentation and receipts from your professional installer.

For specific warranty terms and conditions, please refer to the documentation provided with your product or contact Thermex customer service.

9. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to schedule service, please contact your installer or the Thermex customer support department.

When contacting support, please have your model number (ER80H) and purchase date available.

