

Junkers Elacell Excellence ES-100

Junkers Elacell Excellence ES-100 100L Electric Water Heater User Manual

Model: Elacell Excellence ES-100 | Capacity: 100 Liters

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Junkers Elacell Excellence ES-100 electric water heater. Please read these instructions thoroughly before installation and use, and retain them for future reference. Proper adherence to these guidelines will ensure optimal performance and longevity of your appliance.

2. SAFETY INSTRUCTIONS

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

- Installation and maintenance must be performed by a qualified professional in accordance with local regulations and codes.
- Ensure the electrical supply matches the specifications of the water heater. The appliance must be properly grounded.
- Do not operate the water heater if it is damaged or malfunctioning. Disconnect power immediately.
- Never block or tamper with the pressure relief valve. This valve is crucial for safety.
- Keep flammable materials away from the water heater.
- The water heater contains hot water under pressure. Exercise caution when handling or draining.
- Do not allow children to operate or play near the water heater.

3. PRODUCT OVERVIEW

The Junkers Elacell Excellence ES-100 is a high-capacity electric water heater designed for indoor installation. It features a durable alloyed steel tank and an efficient heating element to provide reliable hot water. The unit includes an intuitive control panel for temperature adjustment.



Figure 1: Front view of the Junkers Elacell Excellence ES-100 electric water heater, showing its cylindrical white casing and the integrated control panel at the bottom.



Figure 2: Side view of the water heater, illustrating its energy efficiency rating of 'C' (note: product specifications state 'A' efficiency, this image may represent a different variant or older rating system).

4. SETUP AND INSTALLATION

The Junkers Elacell Excellence ES-100 is designed for indoor, wall-mounted installation. Due to the nature of this appliance, installation must be carried out by a certified professional to ensure safety and compliance with all applicable codes.

4.1 Mounting Location

- Choose a location with adequate structural support for the full weight of the water heater when filled (approx. 120 kg).
- Ensure sufficient clearance around the unit for maintenance and ventilation.
- Install in an area protected from freezing temperatures.

4.2 Water Connections

- Connect the cold water inlet and hot water outlet to the appropriate plumbing lines. The connections are G1/2" standard.
- Install a pressure relief valve (T&P valve) according to local codes.
- Ensure all connections are watertight.

4.3 Electrical Connection

- The water heater requires a dedicated electrical circuit.

- Connect the appliance to a grounded power supply as per the wiring diagram provided with the unit and local electrical codes.
- The unit operates at 2000 Watts.

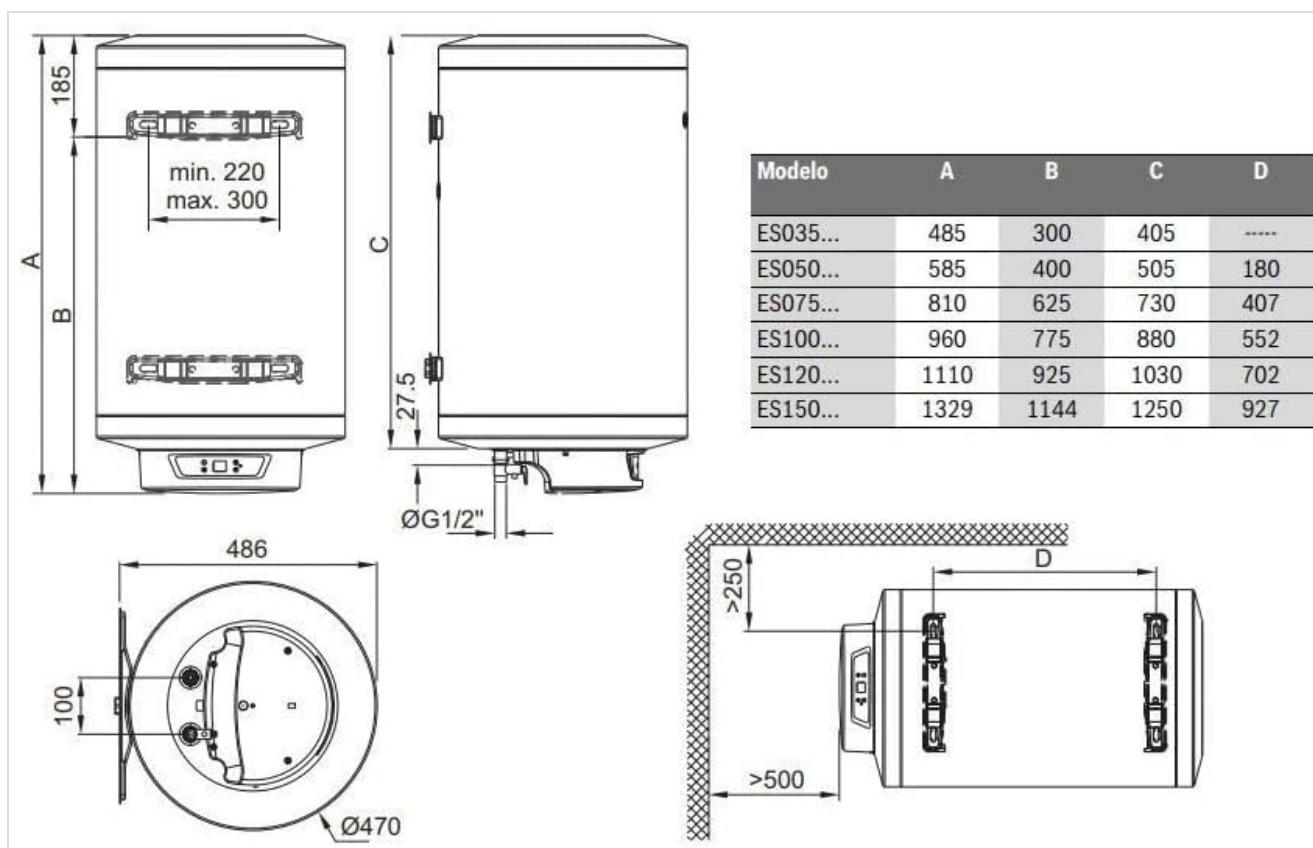


Figure 3: Technical drawing illustrating the dimensions and connection points for the Junkers Elacell Excellence series. For the ES-100 model, key dimensions are A=960mm, B=775mm, C=880mm, D=552mm, and a diameter of 470mm. The water connections are G1/2".

5. OPERATING INSTRUCTIONS

5.1 Initial Start-up

1. Before applying power, ensure the water heater tank is completely filled with water. Open a hot water faucet in your home until water flows steadily, indicating the tank is full and air has been purged.
2. Once the tank is full, close the hot water faucet.
3. Turn on the electrical power supply to the water heater.

5.2 Temperature Adjustment

The control panel located at the bottom of the unit allows you to set the desired water temperature. Refer to the markings on the control panel for specific temperature ranges. Typically, a dial or buttons will allow you to increase or decrease the set temperature. For energy efficiency and safety, it is recommended to set the temperature between 50°C and 60°C (120°F and 140°F).

5.3 Power On/Off

To turn the unit off, disconnect the electrical power supply at the circuit breaker. For temporary shutdowns, some models may have a power button on the control panel.

6. MAINTENANCE

Regular maintenance helps ensure the efficiency and extends the lifespan of your water heater. All maintenance procedures should be performed by a qualified technician.

- **Anode Rod Inspection:** The anode rod protects the tank from corrosion. It should be inspected and replaced every 1-3 years, or more frequently in areas with hard water.
- **Pressure Relief Valve Test:** Test the pressure relief valve annually by lifting the lever. Water should flow out of the discharge pipe. If it does not, replace the valve.
- **Draining the Tank:** Periodically drain a few liters of water from the tank to remove sediment buildup, which can reduce efficiency. This should be done at least once a year.
- **External Cleaning:** Clean the exterior of the water heater with a soft, damp cloth. Do not use abrasive cleaners.

7. TROUBLESHOOTING

If you encounter issues with your water heater, refer to the following common problems and potential solutions. For complex issues, contact a qualified technician.

- **No Hot Water:**
 - Check if the power supply is on at the circuit breaker.
 - Verify the temperature setting on the control panel.
 - The heating element may have failed (requires professional replacement).
- **Insufficient Hot Water:**
 - The temperature setting may be too low.
 - Sediment buildup in the tank can reduce capacity and heating efficiency (requires draining and flushing).
 - Heating element may be partially failing.
- **Water Leaking:**
 - Check connections for loose fittings.
 - The pressure relief valve may be discharging due to excessive pressure or temperature.
 - Tank corrosion (requires professional inspection and potential replacement).
- **Unusual Noises (e.g., popping, rumbling):**
 - Often caused by sediment buildup at the bottom of the tank. Draining and flushing may resolve this.

8. SPECIFICATIONS

Feature	Specification
Brand	Junkers
Model Number	Elacell Excellence ES-100
Part Number	7736502713
Capacity	100 Liters
Energy Source	Electric Wired

Feature	Specification
Heat Output	2000 Watt
Efficiency Rating	A
Material	Alloyed Steel
Color	White
Installation Type	Indoor, Wall Mount
Package Dimensions	101 x 51 x 51 cm
Item Weight	20 kg (empty)
First Available Date	January 15, 2020

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support, service, or spare parts, please contact Junkers customer service or an authorized service partner. Ensure you have your model number and part number (7736502713) available when seeking support.

© 2023 Junkers. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question

