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Quality Heating 30 Liter Performance QH WiFi Dual Electric Boiler

Quality Heating 30 Liter Performance QH WiFi Dual Electric Boiler User Manual

Model: 30L WiFi + Dual Electric

1. INTRODUCTION

Thank you for choosing the Quality Heating 30 Liter Performance QH WiFi Dual Electric Boiler. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new electric water heater. Please read this manual thoroughly before installation and use, and keep it for future reference.



Figure 1: Quality Heating 30 Liter Performance QH WiFi Dual Electric Boiler. This image shows the sleek black cylindrical design of the boiler with a digital control panel at the bottom and various certification stickers (2-year warranty, Wi-Fi, Energy Class A, CE mark) on the upper right side.

2. SAFETY INSTRUCTIONS

Please observe the following safety precautions to prevent injury, damage to property, or damage to the appliance.

- **Professional Installation:** Installation and maintenance must be performed by qualified personnel in accordance with local regulations and standards.
- **Electrical Safety:** Ensure the power supply matches the boiler's requirements (1500 Watt). The appliance must be

properly grounded. Do not operate with damaged cords or plugs.

- **Water Pressure:** Ensure water pressure is within the recommended limits for the appliance.
- **Temperature:** Hot water can cause severe burns. Exercise caution when using hot water.
- **Children and Vulnerable Persons:** This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- **Protection Features:** The boiler is equipped with 6 layers of advanced protection, including overheating, dry heating, overpressure, corrosion, electrical safety, and thermostat regulation. Do not bypass or tamper with these safety features.



Figure 2: Diagram illustrating the 6 advanced protection layers of the boiler. These include overheating protection, dry heating protection, overpressure protection, corrosion protection, electrical protection, and thermostat regulation, ensuring safe operation.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Capacity:** 30 Liters, suitable for single-person households or specific applications.
- **Power:** 1500 Watt heating element for efficient water heating.
- **Energy Efficiency:** Energy Class A rating, featuring a 40mm insulating foam layer with a conductivity coefficient of $\lambda=0.22$, resulting in minimal heat loss (less than 0.2 °C per hour).
- **Digital Control & WiFi:** Equipped with a digital control panel and WiFi connectivity for remote management via a smartphone application.
- **Smart Key Technology:** Learns weekly usage habits to ensure hot water is available precisely when needed, optimizing energy consumption.
- **Temperature Range:** Adjustable water temperature between 40°C and 80°C with a precision thermostat.
- **Durable Construction:** Made from alloyed steel for longevity.
- **Versatile Application:** Ideal for areas without gas connections such as apartments, hair salons, riding schools, garages, kitchens, and bathrooms.

3.2 Components

The Quality Heating Electric Boiler consists of the main tank, heating elements, digital control panel, water inlet and outlet, and mounting brackets.



Figure 3: Diagram illustrating the efficient water circulation within the boiler. Cold water enters through the blue inlet, is heated in the tank, and exits as hot water through the red outlet, ensuring continuous hot water supply.

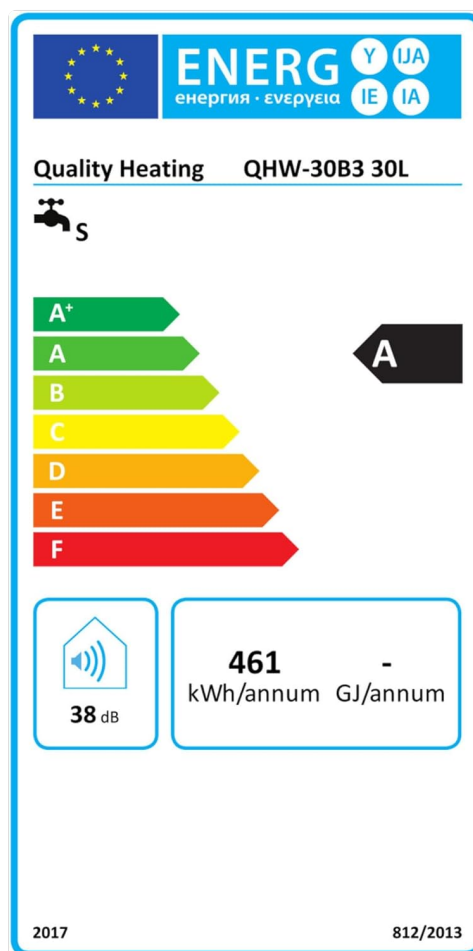


Figure 4: The EU Energy Label for the Quality Heating QHW-30B3 30L boiler, indicating an Energy Class A rating and an annual energy consumption of 461 kWh.

4. INSTALLATION

The Quality Heating Electric Boiler is designed for indoor, wall-mounted installation. Due to the nature of electrical and plumbing work, professional installation is highly recommended to ensure safety and compliance with local building codes.

4.1 Pre-Installation Checklist

- Verify that the chosen installation location is suitable for wall mounting and can support the weight of the boiler when full (approx. 30 kg water + boiler weight).
- Ensure adequate clearance around the boiler for maintenance and ventilation.
- Confirm availability of appropriate electrical and water connections.
- Inspect the boiler for any visible damage before installation.

4.2 Mounting and Connections

1. Securely mount the boiler to a sturdy wall using the provided mounting hardware. Refer to the installation diagram for precise measurements and bracket placement.
2. Connect the cold water inlet (blue) and hot water outlet (red) to your plumbing system. Ensure all connections are watertight.
3. Connect the boiler to a dedicated electrical circuit with appropriate overcurrent protection.
4. Fill the boiler with water before switching on the power supply to prevent dry heating.



Figure 5: Installation diagram showing the boiler dimensions (67 cm height, 28 cm width, 52 cm depth) and a technician performing installation. The image emphasizes easy installation with included mounting elements and technical support.

5. OPERATING INSTRUCTIONS

5.1 Digital Control Panel

The boiler features an intuitive digital control panel for easy operation.

- **Power On/Off:** Press the power button to turn the boiler on or off.
- **Temperature Adjustment:** Use the up/down arrows to set your desired water temperature between 40°C and 80°C. The display will show the current and target temperatures.

- **Mode Selection:** Select different operating modes if available (e.g., Eco, Fast Heat).



Figure 6: Image showing the boiler's digital control panel and a user interacting with the companion smartphone application. The app allows for remote temperature adjustment and smart mode activation, available on Android and iOS.

5.2 WiFi Connectivity and App Control

Connect your boiler to your home WiFi network to control it remotely via the Quality Heating smartphone application (available for Android and iOS).

1. Download the "Quality Heating" app from your device's app store.
2. Follow the in-app instructions to pair your boiler with your smartphone.
3. Once connected, you can adjust temperature, activate Smart Mode, and monitor the boiler's status from anywhere.



Figure 7: This image highlights the "Smart Key Technology" feature, which allows the boiler to learn and adapt to your weekly hot water usage patterns, ensuring hot water is available when needed and optimizing energy use.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your electric boiler.

- **Annual Inspection:** It is recommended to have the boiler inspected annually by a qualified technician.
- **Descaling:** In areas with hard water, descaling may be necessary periodically to maintain efficiency. This should be performed by a professional.
- **Cleaning:** Clean the exterior of the boiler with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Pressure Relief Valve:** Periodically check the pressure relief valve according to manufacturer guidelines to ensure it is not blocked and functions correctly.

7. TROUBLESHOOTING

Before contacting customer support, please refer to the following common issues and their potential solutions.

Problem	Possible Cause	Solution
No hot water	No power; thermostat set too low; heating element failure.	Check power supply and circuit breaker; adjust thermostat setting; contact service technician.
Water not hot enough	Thermostat set too low; excessive hot water usage; sediment buildup.	Increase thermostat setting; allow time for reheating; consider professional descaling.
Leaking from boiler	Loose connections; faulty pressure relief valve; tank corrosion.	Tighten connections; inspect/replace pressure relief valve; contact service technician for tank inspection.
Unusual noises	Sediment buildup; faulty heating element.	Professional descaling may be required; contact service technician.

8. SPECIFICATIONS

Feature	Detail
Brand	Quality Heating
Model Number	295712361
Capacity	30 Liters
Power Output	1500 Watt
Energy Source	Electric (Wired)
Energy Class	A
Insulation	40mm foam, $\lambda=0.22$ conductivity coefficient
Temperature Range	40°C - 80°C
Connectivity	WiFi
Material	Alloyed Steel
Installation Type	Indoor, Wall-mounted
Product Dimensions (HxWxD)	67 cm (Height) x 28 cm (Width) x 52 cm (Depth)














9. WARRANTY AND SUPPORT

Your Quality Heating Electric Boiler comes with a **2-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, warranty claims, or any questions not covered in this manual, please contact Quality Heating customer service through the retailer where you purchased the product or visit the official Quality Heating website.

Related Documents - 30 Liter Performance QH WiFi Dual Electric Boiler

<div> Quality Heating 200 liter QH Dual Boiler</div> <div></div> <div></div>	<p>Quality Heating 200L QH Dual Boiler - Handleiding, Specificaties en Installatie</p> <p>Gedetailleerde handleiding, technische specificaties en installatie-instructies voor de Quality Heating 200L QH Dual Boiler, een commerciële elektrische boiler.</p>
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<div>  </div> <div> Quality Heating Diesel heater </div> <div>  </div> <div>  </div>	<p>Quality Heating Diesel Heater: User Manual, Safety, and Specifications</p> <p>Comprehensive guide for the Quality Heating Diesel Heater, covering safety instructions, technical specifications, assembly, operation, maintenance, and troubleshooting. Includes product details and operational guidance.</p>
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<div>  </div> <div> QH-HH Serie infraroodpaneel </div> <div>  </div>	<p>Quality Heating QH-HH Series Infrared Panel - User Manual, Installation Guide, and Technical Specifications</p> <p>Detailed user manual and technical specifications for the Quality Heating QH-HH Series infrared panel. Includes installation instructions, safety warnings, troubleshooting, and product features.</p>
<div>  </div> <div> Quality Heating Diesel heater </div> <div>  </div> <div>  </div>	<p>Quality Heating SFY30-19B Diesel Heater Handleiding: Installatie, Gebruik & Veiligheid</p> <p>Download de complete handleiding voor de Quality Heating SFY30-19B diesel heater. Vind gedetailleerde informatie over technische specificaties, installatie, veilige bediening, onderhoud en probleemoplossing.</p>