



Quality Heating
Floor-standing Boiler 100 L / 120 L
User Manual

User Manual
Electric water heater — model QHFJH-100L / QHFJH-120L

Read this manual in full before installing or using the appliance, and keep it for future reference. Installation and connection must only be carried out by a qualified professional.

1. Important safety rules

This manual familiarises you with the appliance and with the conditions for correct installation and safe use. It is also intended for the qualified installer who installs, dismantles or repairs the appliance in the event of a fault.

Following these instructions is in the interest of the user and is also a warranty condition. The manufacturer is not liable for damage resulting from use or installation that does not comply with this manual.

This electric water heater complies with standards EN 60335-1 and EN 60335-2-21.

Use by children and vulnerable persons

- Keep children, vulnerable persons, and persons with reduced sensory, physical or mental capabilities always under the direct supervision of someone who can understand and recognise the hazards, whenever they come into contact with the appliance.
- Do NOT let children or animals play with the appliance.



Risk of electric shock, fire and water damage

Incorrect installation or connection of this appliance can endanger the user's health and life. This can lead to serious and permanent injury or death from electrocution, fire or explosion.

Incorrect installation can also cause material damage through water damage, fire or explosion, both to the user and to third parties.

Installation, connection to the water and electricity supply, and commissioning must only be carried out by a qualified installer/electrician who is authorised to do so and who complies with the applicable legal requirements.



Prohibited modifications

It is forbidden to make modifications to the construction or the electrical wiring of the boiler. The warranty becomes void immediately if a modification is detected.

A modification includes, among other things: removing parts fitted by the manufacturer, installing non-approved parts, or replacing parts with items not approved by the manufacturer.

2. Product features

Energy-saving

The appliance is fitted with a thick, high-density polyurethane foam insulation, applied in one piece around the tank using a high-pressure spray technique. This limits heat loss and keeps the water temperature at the set level for longer.

Durable

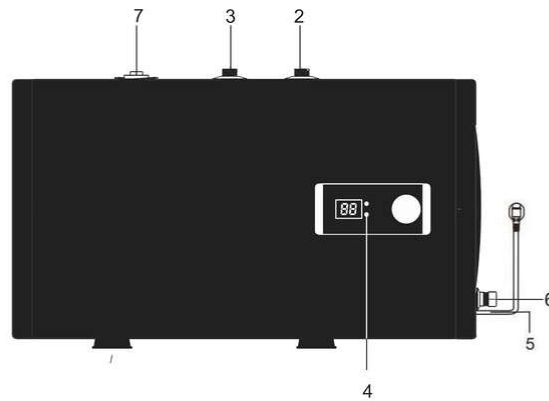
The inner tank is built using a stable joining technique and protected with a corrosion-resistant coating of uniform thickness, which improves the tank's pressure and impact resistance.

High efficiency

Thanks to Quality Heating's proprietary technology, the appliance delivers a noticeably higher efficiency when heating water.

3. Technical parameters

General overview



1 – housing · 2 – hot water outlet · 3 – cold water inlet · 4 – temperature control · 5 – power plug · 6 – drain connection · 7 – magnesium anode

Model and dimensions

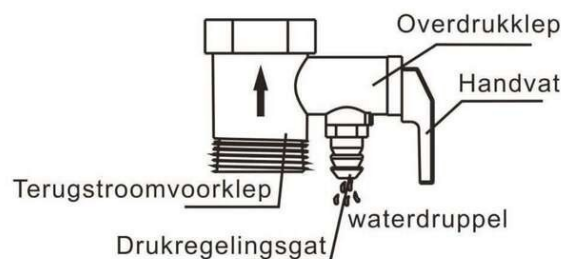
Model	Capacity	Dimensions (ØxH)
QHFJH-100L	100 L	Ø450 x 890 mm
QHFJH-120L	120 L	Ø450 x 1030 mm

Specifications

Model	Power	Current	Supply	Temperature	Max. pressure
QHFJH-100L	2000 W	9.09 A	AC 220–240V / 50Hz	20–75 °C	0.8 MPa
QHFJH-120L	2000 W	9.09 A	AC 220–240V / 50Hz	20–75 °C	0.8 MPa

4. Safety accessories — the safety valve

The boiler is fitted with a safety valve (pressure relief valve) that automatically discharges a small amount of water while the water is heating. As water expands when heated, the pressure in the tank rises; the safety valve releases this excess pressure via the drip hole. Dripping during heating is normal and does not indicate a fault. The built-in non-return valve prevents water from flowing back into the mains when the water supply fails, so that the element cannot boil dry.



Pressure relief valve · Handle · Non-return valve · Pressure-relief hole · Water droplet

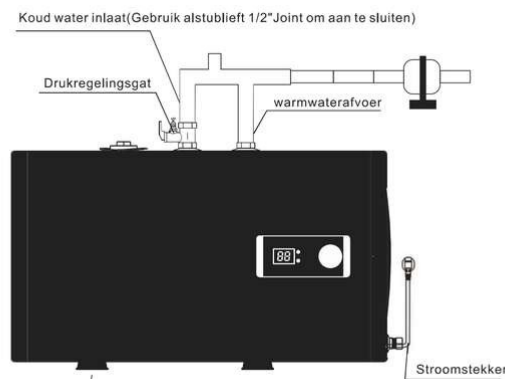
- Fit the safety valve on the cold water side (blue marking), with the drain point facing downward.

- The valve is factory-set to a nominal pressure of 0.8 MPa. Do not adjust this setting yourself.
- Protect the valve against freezing and ensure a kink-free, freely discharging drain pipe without blockages.

Never block the safety valve

Never seal the drain opening of the safety valve, for example with a cap, plug or rubber band. A blocked valve can no longer release the built-up excess pressure, which can lead to the tank exploding.

5. Connecting the water and electricity supply



Cold water inlet (connect with 1/2" coupling) · pressure-relief hole · hot water outlet · power plug

Water pipe

- The boiler is designed for a mains pressure of maximum 6 bar (0.6 MPa).
- Connect the cold and hot water pipes according to the markings on the appliance (cold = inlet, hot = outlet) using 1/2" couplings.
- Install the appliance in a room with floor sealing and drainage to the sewer, or place a drip tray with drainage under the appliance. Never place moisture-sensitive objects under the appliance.

Electrical connection

Risk of electric shock

Never connect the appliance to the mains before the tank is completely filled with water. Switching on without water damages the heating element and can cause fire.

The socket or fixed connection must be connected to its own circuit protected by a residual current device and a fuse, and must be correctly earthed. Use a socket rated for at least 10 A.

If the connection cable is damaged, have it replaced only by a qualified installer or customer service, to avoid risks.

- The fixed supply cable to the boiler must be a dedicated, protected cable with a conductor cross-section of at least 1.0 mm².
- Recommended protection: residual current device (30 mA) with separate fuse.

For a fixed connection without a plug, the wires are connected as follows:

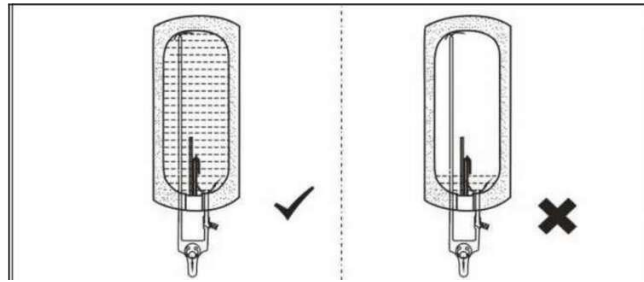
- brown wire → live (L)
- blue wire → neutral (N)

- yellow-green wire → earth (PE)

The fixed supply cable must include a device that ensures full disconnection of all poles under overvoltage category III.

6. Commissioning

Fill the tank completely with water before connecting the power, and check for leaks. Open the hot water tap(s) of your mixer tap(s) as far as possible until a steady, uninterrupted stream of water flows out: this means all air has been removed from the system and the tank is full. Always keep the cold water inlet valve open during use. Only switch on the appliance once the tank is completely full, to prevent damage to the heating element.



Left: correct — tank completely filled. Right: incorrect — do not switch on with a partially filled tank.

Note: if no water comes out of the shower head or tap, the tank is not completely filled. In that case, do not connect the power.

7. Periodic maintenance

- Have the magnesium anode inspected periodically (at least every two years) by a qualified installer and replaced if necessary, to prevent internal corrosion of the tank.
- Check the safety valve every two weeks by briefly turning the lever; it is normal for water to flow out when you do this.
- Drain the boiler regularly to remove sediment from the tank, especially in areas with hard water.
- If the heater remains unused for more than two days in a cold room during winter, drain the water to prevent frost damage. Freezing and cracking of the inner tank are not covered by the warranty.
- Clean the exterior only with a damp cloth. Do not use abrasive agents or solvents, and never rinse the appliance directly with water.

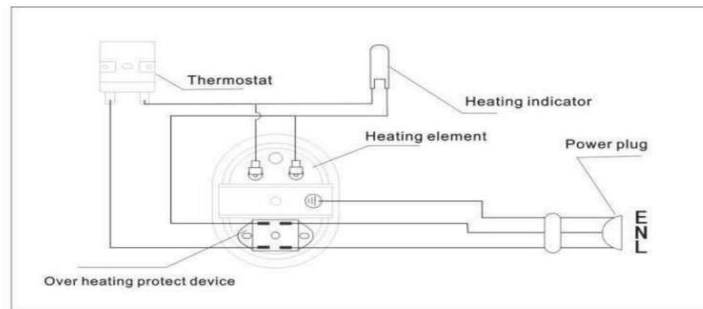
Always disconnect before cleaning or maintenance

Disconnect the appliance from the power supply and close the cold water valve before cleaning, draining or performing maintenance on the appliance. Drained water can be very hot — take care when draining.

In the event of prolonged decommissioning or before a repair: disconnect the power, close the cold water inlet valve, open the hot water valve and loosen the safety valve. Open and close the cold water inlet valve several times to thoroughly flush out sediment from the bottom of the tank, until clean water flows from the drain hose. Then refit all parts in their original position. When reusing the appliance, first fill the tank completely with water and check all connections for leaks.

8. Troubleshooting

Electrical wiring diagram



Translation of the diagram: Thermostat = thermostat · Heating indicator = heating indicator light · Heating element = heating element · Power plug = power plug · Over heating protect device = overheat protection device · E/N/L = earth/neutral/live

Have this diagram redrawn by a designer at the next print run, with the labels directly in the requested language within the drawing itself.

Fault table

Problem	Symptom	Possible cause	Solution
Electrical leakage	Indicator light 1 is on	Appliance or surroundings have an electrical leak	Stop using the appliance, unplug it and call customer service
No hot water	Indicator light is off	No power connected	Insert the plug into the socket
No hot water	Indicator light is off	Fuse blown	Check the circuit and replace the fuse
No hot water	Indicator light is off	Socket not making proper contact	Check the socket

9. Rating plate and CE marking

The rating plate on the side of the appliance shows the model, serial number, rated voltage, power, capacity and rated pressure. Quote this information whenever you contact customer service. The appliance carries the CE marking, which indicates that it complies with the applicable European directives.

10. Product data sheet and energy consumption

Technical specifications

	QHFJH-100L	QHFJH-120L
Manufacturer	Quality Heating	Quality Heating
Type	Electric water heater, horizontal	Electric water heater, horizontal
Dimensions (L x W)	450 x 895 mm	450 x 1030 mm
Weight	approx. 33 kg	approx. 37 kg
Power	2000 W	2000 W
Power type	Alternating current (AC)	Alternating current (AC)
Voltage	220-240V	220-240V
Frequency	50Hz	50Hz

	QHFJH-100L	QHFJH-120L
Water resistance	IPX4	IPX4
Maximum temperature	75 degrees Celsius	75 degrees Celsius
Rated pressure	0.8 MPa	0.8 MPa
Capacity	100 L	120 L
Installation	Floor-standing	Floor-standing
Control type	Digital	Digital

Energy consumption data

Product information sheet in accordance with Regulation (EU) No. 812/2013 and 814/2013.

	QHFJH-100L	QHFJH-120L
Load profile	M	M
Energy efficiency class	B	B
Energy efficiency	46 %	46 %
Annual electricity consumption	1106 kWh	1106 kWh
Sound level	38 dB(A)	38 dB(A)

11. Disposal of the appliance (WEEE)

This symbol indicates that, at the end of its service life, the appliance must not be disposed of with ordinary household waste. Take the appliance to an authorised collection point for electrical and electronic equipment, so that the materials can be processed in an environmentally responsible manner.