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› MIZUDO 6.5kW EQUIK 6 Tankless Electric Water Heater User Manual

## MIZUDO EQUIK 6

# MIZUDO 6.5kW EQUIK 6 Tankless Electric Water Heater User Manual

Model: EQUIK 6 | Brand: MIZUDO

## 1. PRODUCT OVERVIEW

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The MIZUDO 6.5kW EQUIK 6 Tankless Electric Water Heater provides instant hot water on demand, designed for point-of-use applications. This compact unit offers high energy efficiency and precise temperature control for a comfortable experience.

# Advantages of Electric Tankless Water Heater

## 3S Instant Heating

24h endless hot water supply



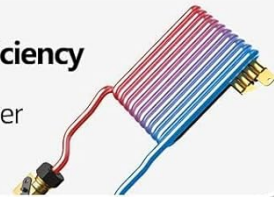
## Smart Touch Control

86°F to 140°F temperature control



## 98% Thermal Efficiency

Consumes less power



## Intelligent Constant Temperature



## Multiple protections

More secure to use



Image 1.1: Key advantages of the MIZUDO EQUIK 6 water heater, highlighting instant heating, smart touch control, 98% thermal efficiency, intelligent constant temperature, and multiple protections.

## Key Features:

- **High Energy Efficiency:** Boasts 98% thermal efficiency, heating water in approximately 3 seconds.
- **Instant Hot Water:** Delivers up to 1.5 GPM (Gallons Per Minute) for a single point of use.
- **Compact Design:** Measures 12.8"H x 8.6"L x 2.3"W, saving over 50% space compared to traditional tank heaters.
- **Smart Temperature Control:** LED touch display allows setting temperatures between 86°F and 140°F, maintaining stability within  $\pm 1^\circ\text{F}$ .
- **Multiple Safety Protections:** CSA certified with leakage, over-temperature, and dry-heating protection.

## 2. SAFETY INFORMATION

This appliance is designed with multiple safety features. Adhering to all installation and operating instructions is crucial for safe operation. Do not attempt to modify the unit or bypass any safety features.

# Comprehensive Security Protection



Image 2.1: Overview of the comprehensive security protections, including overheat, dry combustion, leakage, anti-surge, IPX4 waterproof, anti-short circuit, anti-scale design, and automatic fault indication.

## Safety Features:

- **Leakage Protection:** Automatically detects and prevents electrical leakage.
- **Over-Temperature Protection:** Shuts off if water temperature exceeds safe limits.
- **Dry-Heating Protection:** Prevents damage if the unit operates without water flow.
- **CSA Certified:** Meets recognized safety standards.

## 3. INSTALLATION REQUIREMENTS & SETUP

Proper installation is critical for the safe and efficient operation of your MIZUDO tankless water heater. It is recommended that installation be performed by a qualified electrician and plumber.

### Electrical Requirements:

- **Voltage:** 240 Volts (AC)
- **Breaker:** 30 AMP two-pole breaker
- **Wiring:** 1 set of 10 AWG wires

## Water Connection Requirements:

- **Pipe Size:** 1/2" NPT water connections

## Installation Steps:

1. **Unpack the Unit:** Carefully remove the water heater and all accessories from the packaging.
2. **Select Mounting Location:** Choose a suitable location, typically under or over a sink, ensuring it meets clearance requirements and is close to the point of use.
3. **Mount the Bracket:** Secure the mounting bracket to the wall using the provided screws.
4. **Hang the Water Heater:** Carefully hang the water heater onto the mounted bracket and secure it with the bottom screws.
5. **Connect Water Lines:** Connect the cold water inlet (blue) and hot water outlet (red) to your plumbing system using 1/2" NPT connections. Ensure a filter is installed at the inlet.
6. **Connect Electrical Wiring:** Connect the power cord to the circuit breaker as per local electrical codes. Ensure power is OFF during this step.

# Installation Instructions

**Before installation, please confirm that the power supply and circuit breakers meet the requirements**

Heating power	Wire requirement	Breaker requirement
6.5kW	10 AWG	240V/30A

**Schematic diagram of accessories required for installation**

Two-pole breaker



**240V**



Image 3.1: Visual guide for installation, detailing power and breaker requirements.

## Safety Thermal Cut-off Reset Instructions

If the product stops working due to triggering the safety thermal cut-off protection function, you can reset the safety thermal cut-off according to this guide to restore normal product operation.

**Warning: Please make sure to operate under power-off conditions.**



### How to determine if the safety thermal cut-off has tripped:

①The machine is not working (the display screen shows nothing); ②The municipal power supply is normal (Test whether other appliances at home are functioning properly); ③The circuit breaker connected to the electric water heater has not tripped.  
If the above three conditions are met simultaneously, the product's limiter may trip, and you will need to open the product cover to reset the safety thermal cut-off.

Image 3.2: Detailed installation diagram showing water and electrical connections to the circuit breaker panel.

Video 3.1: An official MIZUDO video demonstrating the installation process for the electric tankless water heater. This video provides a visual step-by-step guide for unpacking, mounting, and connecting the unit.

## 4. OPERATING INSTRUCTIONS

Once installed and connected, operating your MIZUDO tankless water heater is straightforward using the integrated LED touch display.

### Setting Temperature:

- The LED touch display allows you to set your preferred water temperature between 86°F (30°C) and 140°F (60°C).
- Use the '+' and '-' buttons on the display to adjust the temperature.
- The intelligent control system constantly fine-tunes heating power to maintain a stable temperature within  $\pm 1^\circ\text{F}$ .

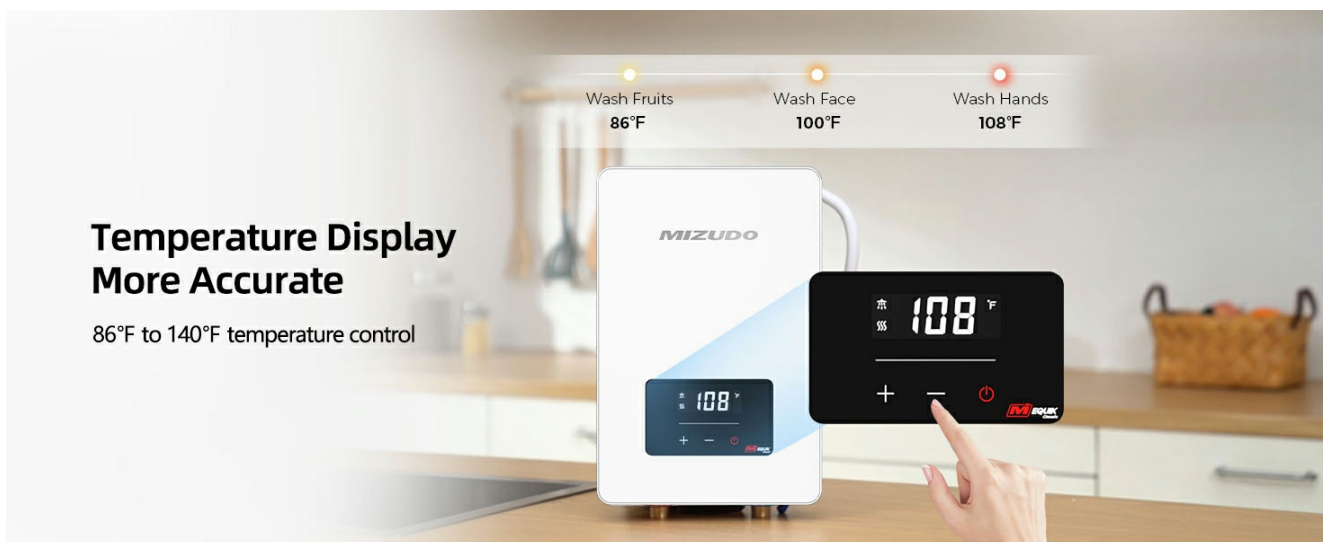


Image 4.1: The LED touch display for accurate temperature control, showing examples of suitable temperatures for various uses.

### First Use:

Before first use, ensure all water connections are secure and open the hot water faucet to allow air to escape the system. Once water flows steadily, close the faucet and turn on the electrical power to the unit.

## 5. MAINTENANCE

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Regular maintenance helps ensure the longevity and optimal performance of your tankless water heater. Always disconnect power before performing any maintenance.

### General Maintenance:

- **Inspect Connections:** Periodically check water and electrical connections for any signs of leaks or wear.
- **Clean Exterior:** Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners.
- **Filter Cleaning:** The inlet filter should be checked and cleaned periodically to prevent sediment buildup, which can affect water flow and heating efficiency.

## 6. TROUBLESHOOTING

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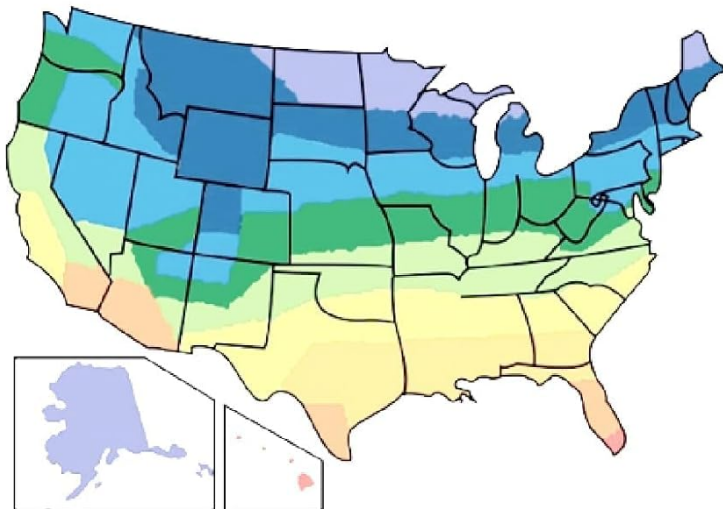
If your water heater is not functioning as expected, refer to the following common troubleshooting steps. For persistent issues, contact customer support.

### Safety Thermal Cut-off Reset:

If the product stops working due to the safety thermal cut-off protection function being triggered, you can reset it to restore normal operation. **Warning: Ensure power is OFF before proceeding.**

1. Remove the outer shell of the water heater.
2. Locate the safety thermal cut-off switch inside the unit.
3. Press the reset button on the thermal cut-off with a screwdriver.
4. Reinstall the outer shell.

# Tankless Water Heater Selection Guide



## 01: Confirming your local water temp

37°F 42°F 47°F 52°F 57°F 62°F 67°F 72°F 77°F

Use your location on the map to correlate with legend for average ground water temperature in the U.S.

## 02: Knowing the water consumption of water outlets

0.5 GPM 1.2 GPM 2.0 GPM > 4.0 GPM



Bathroom  
Faucet



Kitchen  
Faucet



Standard  
Shower



80-Gallon  
Bathtub

## 03: choosing the suitable unit, based on your household total hot water usage

Inlet Temp	Power	6.5kW	8kW	11kW	14kW
37°F		✗	0.8 GPM 	1.1 GPM 	1.4 GPM 
47°F		✗	0.9 GPM 	1.2 GPM 	1.6 GPM 
57°F		0.9 GPM 	1.0 GPM 	1.5 GPM 	1.9 GPM 
67°F		1.1 GPM 	1.3 GPM 	1.8 GPM 	2.4 GPM 
77°F		1.5 GPM 	1.9 GPM 	2.6 GPM 	3.4 GPM 

The specified hot water flow rate is based on measurements taken at a set outlet temperature of 110°F

Image 6.1: Step-by-step visual guide for resetting the safety thermal cut-off.

## Common Issues:

- **No Hot Water:** Check power supply, circuit breaker, and ensure water flow is adequate.
- **Inconsistent Temperature:** Verify inlet water temperature is within operating range and check for proper water flow.
- **Low Water Pressure:** Inspect water inlet filter for clogs.

## 7. SPECIFICATIONS

Detailed technical specifications for the MIZUDO 6.5kW EQUIK 6 Tankless Electric Water Heater.

# Product Specifications

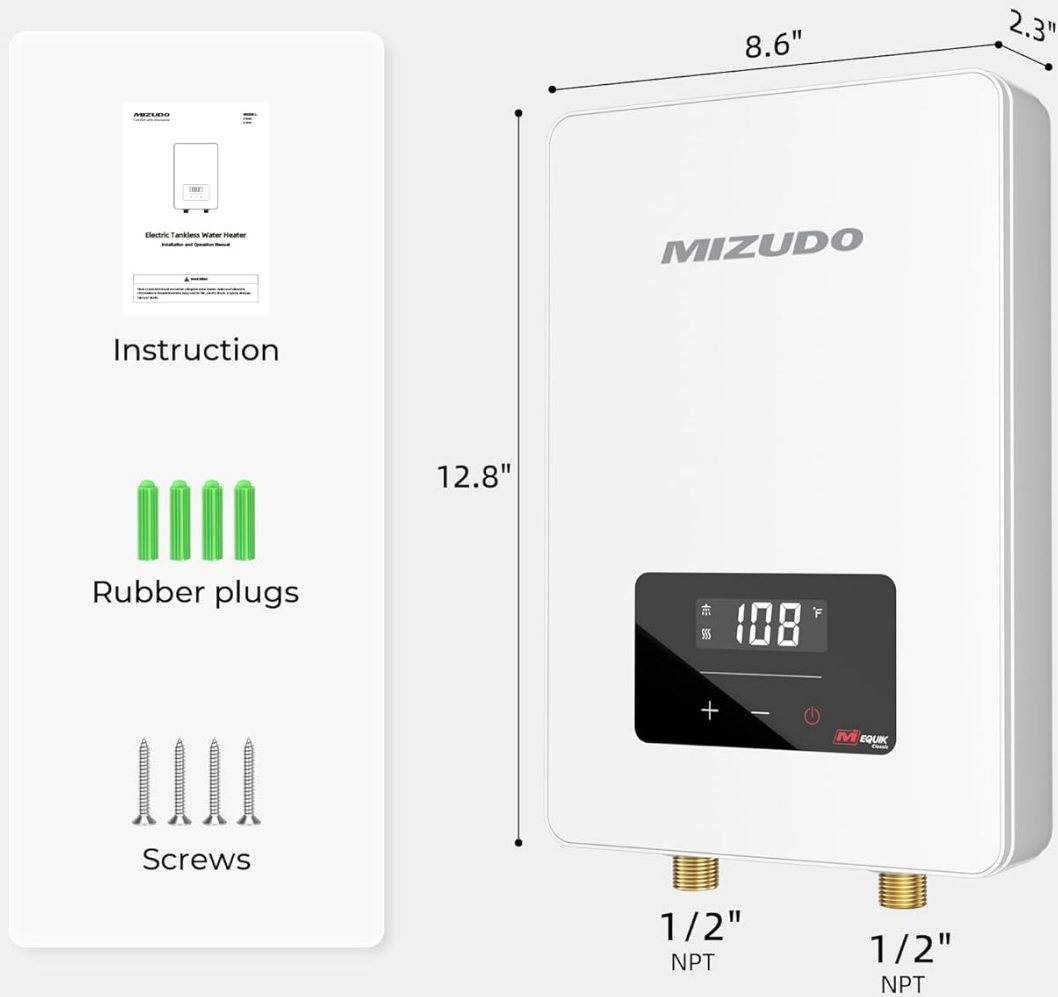


Image 7.1: Diagram illustrating the product dimensions and included components.

Specification	Value
Brand	MIZUDO
Model Number	EQUIK 6 (6.5kW)
Product Dimensions	2.3"W x 12.8"H x 8.6"L
Wattage	6.5 KW
Voltage	240 Volts (AC)
Maximum Temperature	140 Degrees Fahrenheit
Heat Output	6500 Watts
Efficiency	98%
Mounting Type	Wall

Specification	Value
Item Weight	8.16 pounds
Water Connections	1/2" NPT
Certifications	CSA Certified

## 8. WARRANTY AND SUPPORT

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MIZUDO is committed to providing reliable products and excellent customer service.

### **After-Sale Service:**

We offer long-term return and exchange services, along with professional technical consulting support. For any inquiries, technical assistance, or warranty claims, please contact MIZUDO customer service through the retailer where the product was purchased or visit the official MIZUDO website for contact information.