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› WARMTEC EcoSink 6.5 kW Instant Water Heater User Manual

## WARMTEC ECOSINK-6.5

# WARMTEC EcoSink 6.5 kW Instant Water Heater

## User Manual

### 1. INTRODUCTION

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Thank you for choosing the WARMTEC EcoSink 6.5 kW Instant Water Heater. This manual provides essential information for the safe installation, operation, and maintenance of your new appliance. Please read it thoroughly before use and keep it for future reference.

### 2. SAFETY INFORMATION

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- Ensure the appliance is installed by a qualified electrician and plumber in accordance with local regulations.
- Do not operate the water heater if it is damaged or malfunctioning.
- This appliance is designed for heating water only. Do not use it for other purposes.
- Protection against overheating: The unit includes an 80°C overheat protection.
- Protection against water leakage: The unit is designed with protection against water leakage.
- Heating element protection: The heating chamber will not activate in case of insufficient water flow.
- Always disconnect power before performing any maintenance or repairs.

### 3. PRODUCT FEATURES

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- **Digital Display:** Shows both the desired and current water temperature.
- **Durable Casing:** Made from resistant ABS plastic.
- **Stainless Steel Heating Element:** Ensures efficient and long-lasting performance.
- **Brass Connection:** For secure and reliable plumbing.
- **Flexible Installation:** Can be mounted below or above the sink/washbasin.
- **Temperature Adjustment:** User-adjustable from 27 °C to 55 °C.
- **Safety Features:** Overheat protection, water leakage protection, and heating element protection (prevents activation without water).
- **Protection Valve:** Included for enhanced safety.

- **Energy Class:** A-rated for energy efficiency.

## 4. COMPONENTS OVERVIEW

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**Figure 1:** Front view of the WARMTEC EcoSink 6.5 kW Instant Water Heater. The unit features a white ABS plastic casing, a central blue digital display showing temperature, and two control buttons below it. Red and blue water inlet/outlet connections are visible at the bottom.

The WARMTEC EcoSink instant water heater is a compact unit designed for under-sink or over-sink installation. Key components include:

- **Digital Display:** Located on the front panel, shows temperature.
- **Control Buttons:** Two buttons below the display for temperature adjustment.
- **Water Inlet/Outlet:** Standard G 1/2" brass connections at the bottom (typically red for hot, blue for cold).
- **Power Cable:** 90 cm long, pre-attached.

## 5. SETUP AND INSTALLATION

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Installation should be performed by a qualified professional. Ensure all local plumbing and electrical codes are followed.

1. **Mounting Location:** Choose a suitable location either below or above the sink/washbasin. Ensure there is enough space for connections and maintenance.
2. **Secure Mounting:** Securely mount the unit to a solid surface using appropriate fasteners (not included, consult installer).
3. **Water Connection:** Connect the water inlet (cold water supply) and outlet (to faucet) using G 1/2" brass connections. Ensure all connections are watertight.
4. **Electrical Connection:** Connect the 230 V power supply to the unit's pre-attached 90 cm power cable. This unit requires a 6.5 kW (6500 W) power supply, typically requiring a dedicated circuit.
5. **Initial Water Fill:** Before switching on the power, open the hot water tap at the faucet to allow the unit to fill with water and purge any air from the system. Wait until water flows smoothly from the tap.
6. **Check for Leaks:** Inspect all water connections for any signs of leakage.

## 6. OPERATING INSTRUCTIONS

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1. **Power On:** Once installed and filled with water, switch on the electrical power supply to the unit. The digital display

will illuminate.

2. **Temperature Display:** The digital display will show the current water temperature.
3. **Adjusting Temperature:** Use the control buttons below the display to set your desired water temperature. The temperature can be adjusted between 27 °C and 55 °C.
4. **Instant Hot Water:** When you open the hot water tap, the unit will instantly heat the water to your set temperature, provided the flow rate is within the operational limits (1.8 l/min activation flow).

## 7. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your water heater.

- **Cleaning:** Clean the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Check Connections:** Periodically inspect water and electrical connections for any signs of wear, corrosion, or leaks.
- **Descaling:** In areas with hard water, descaling may be necessary. This procedure should be performed by a qualified technician.
- **Winterization (if applicable):** If the unit is in an unheated area and there's a risk of freezing, ensure the unit is drained completely to prevent damage.

## 8. TROUBLESHOOTING

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If you encounter issues, refer to the following common troubleshooting steps:

- **No Hot Water:**
  - Check if the power supply to the unit is on.
  - Ensure there is sufficient water pressure and flow (activation flow is 1.8 l/min).
  - Verify that the temperature setting is above the current water temperature.
  - Check for tripped circuit breakers.
- **Water Not Hot Enough:**
  - Increase the set temperature on the digital display.
  - Reduce the water flow rate at the tap.
  - Ensure the incoming cold water temperature is not excessively low.
- **Water Leakage:**
  - Immediately turn off the water supply and electrical power to the unit.
  - Inspect all connections for loose fittings or damaged seals. Tighten or replace as necessary.
  - If the leak persists, contact a qualified plumber.
- **Unit Not Turning On:**
  - Check the main power supply and circuit breaker.
  - Ensure the unit is properly filled with water; the heating element protection prevents activation without water.
- For any issues not listed or if troubleshooting steps do not resolve the problem, contact customer support.

## 9. SPECIFICATIONS

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|                                                                                          |                         |
|------------------------------------------------------------------------------------------|-------------------------|
| <u>Puissance:</u>                                                                        | 6,5 kW, 6500 W          |
| <u>Tension nominale:</u>                                                                 | ~ 230 V, 50 Hz          |
| <u>Réglage de la température:</u>                                                        | 27-55°C                 |
| <u>Câble d'alimentation:</u>                                                             | 3 x 2.5 mm <sup>2</sup> |
| <u>Courant nominal:</u>                                                                  | 23 A                    |
| <u>Filetage:</u>                                                                         | G 1/2"                  |
| <u>Pression de l'eau entrante:</u>                                                       | 0,02~0,6MPa             |
| <u>Débit activant le chauffage :</u>                                                     | 1.8 l/min               |
| <u>Classe énergétique</u>                                                                | A                       |
| <u>Protection contre la surchauffe:</u>                                                  | 80°C                    |
| <u>Débit d'eau (litre/minute) pour la temp. <math>\Delta t=30^{\circ}\text{C}</math></u> | 3,2 l/min               |
| <u>Indice de protection:</u>                                                             | IP25                    |
| <u>Poids:</u>                                                                            | 1,5kg                   |
| <u>Dimensions (largeur x hauteur x profondeur):</u>                                      | 198mm / 160mm / 98mm    |
| <u>Longueur du câble:</u>                                                                | ~ 90cm                  |
| <u>Garantie:</u>                                                                         | 2 ans                   |

**Figure 2:** Technical specifications table for the WARMTEC EcoSink 6.5 kW Instant Water Heater.

| Feature                                              | Specification   |
|------------------------------------------------------|-----------------|
| Manufacturer                                         | WARMTEC         |
| Model Identifier                                     | ECOSINK-6.5     |
| Power                                                | 6.5 kW (6500 W) |
| Rated Voltage                                        | 230 V, 50 Hz    |
| Rated Current                                        | 23 A            |
| Temperature Range                                    | 27 °C – 55 °C   |
| Water Connection                                     | G 1/2"          |
| Inlet Water Pressure                                 | 0.02 ~ 0.6 MPa  |
| Activation Flow Rate                                 | 1.8 l/min       |
| Hot Water Output (at $\Delta T=30^{\circ}\text{C}$ ) | 3.2 l/min       |
| Energy Class                                         | A               |
| Overheat Protection                                  | 80 °C           |

| Feature                | Specification           |
|------------------------|-------------------------|
| Protection Index       | IP25                    |
| Weight                 | 1.5 kg                  |
| Dimensions (W x H x D) | 198 mm x 160 mm x 98 mm |
| Power Cable Length     | 90 cm                   |

## 10. WARRANTY AND SUPPORT

The WARMTEC EcoSink 6.5 kW Instant Water Heater comes with a **2-year warranty** from the date of purchase, covering manufacturing defects.

For technical support, warranty claims, or service inquiries, please contact your retailer or the WARMTEC customer service department. Please have your model number (ECOSINK-6.5) and proof of purchase ready.

**Online Resources:** For additional information and FAQs, please visit the official WARMTEC website (if available).

### ASK A QUESTION ABOUT THIS MANUAL

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**Name**

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**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

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