

Tornado TEEE-30MW

Tornado Electric Water Heater 30 Liter

Model: TEEE-30MW

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1. PRODUCT OVERVIEW

The Tornado Electric Water Heater Model TEEE-30MW is designed to provide efficient and reliable hot water for your household needs. This 30-liter capacity water heater features a durable enameled inner tank, advanced safety mechanisms, and an intuitive LED indicator for heating status. Its compact design and robust construction ensure long-lasting performance.



Figure 1: Front view of the Tornado Electric Water Heater.

Key Features:

- **Capacity:** 30 Liters
- **Power:** 1500 Watts
- **LED Indicator:** Illuminates during the water heating process.
- **Inner Tank:** Enameled and anti-rust for extended durability.
- **Safety Features:** Equipped with an overheat sensor, dry heating sensor, and a non-return safety

valve.

- **Heating Element:** Copper heating element with magnesium anodes for corrosion protection.
- **Body Material:** Specially treated to resist water vapor and humidity.
- **Control Panel:** Convenient front-mounted control panel.
- **Insulation:** High-density insulating foam for energy efficiency.
- **Auto-Restart:** Automatic restart function.

2. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your water heater. It is highly recommended that installation be performed by a qualified professional.

2.1 Mounting the Water Heater

1. Select a suitable wall location capable of supporting the water heater's weight when full (approximately 45 kg for the 30-liter model).
2. Mark the positions for the mounting brackets on the wall. Ensure the marks are level and correctly spaced according to the unit's dimensions.
3. Drill holes and securely fasten the mounting brackets to the wall using appropriate hardware (not included).
4. Carefully lift and hang the water heater onto the installed brackets, ensuring it is stable and level.



Figure 2: Side view with mounting brackets and connections.

2.2 Water Connections

1. Identify the cold water inlet (usually marked blue or with a blue ring) and the hot water outlet (usually marked red or with a red ring). Both connections are 1/2 G.
2. Install the non-return safety valve on the cold water inlet pipe. This valve prevents water backflow and excessive pressure buildup.
3. Connect the cold water supply line to the inlet and the hot water output line to the outlet. Use appropriate plumbing fittings and ensure all connections are watertight.
4. Open the main water supply and check for any leaks. Allow the tank to fill completely before proceeding to electrical connection.

2.3 Electrical Connection

1. Ensure the water heater is properly grounded to prevent electrical hazards.
2. Connect the water heater to a dedicated electrical circuit with appropriate voltage and current ratings (1500W).
3. Verify that all electrical connections are secure and comply with local electrical codes.

3. OPERATING INSTRUCTIONS

Once installed and filled with water, your Tornado Electric Water Heater is ready for operation.

3.1 Powering On and Off

- To turn on the water heater, ensure it is plugged into a suitable power outlet and the main power switch (if applicable) is in the 'ON' position.
- The 'Power On' indicator light will illuminate, indicating the unit is receiving power.
- To turn off the water heater, switch off the main power or unplug the unit.



Figure 3: Power On and Heating indicators.

3.2 Temperature Adjustment

- The water heater features a temperature dial on the front panel, ranging from 'MIN' to 'MAX'.
- Rotate the dial to your desired temperature setting. Turning towards 'MAX' will increase the water temperature.
- The 'Heating' indicator light will illuminate when the water heater is actively heating water and will turn off once the set temperature is reached.



Figure 4: Temperature adjustment dial.

4. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your water heater.

4.1 General Cleaning

- Periodically wipe the exterior of the water heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the area around the water heater is kept clean and free from obstructions.

4.2 Anode Rod Inspection and Replacement

- The water heater is equipped with magnesium anodes to protect the inner tank from corrosion.

- These anode rods should be inspected annually by a qualified technician and replaced if significantly depleted.

4.3 Draining the Tank

- If the water heater will be out of use for an extended period or in areas prone to freezing, the tank should be drained.
- Turn off the power supply to the water heater.
- Close the cold water inlet valve.
- Open a hot water faucet in your home to relieve pressure.
- Connect a hose to the drain valve at the bottom of the water heater and direct it to a suitable drain.
- Open the drain valve and allow all water to empty from the tank.

4.4 Safety Valve Check

- Periodically check the non-return safety valve for proper operation. Refer to the safety valve manufacturer's instructions for specific testing procedures.

5. TROUBLESHOOTING

Before contacting customer service, please refer to the following troubleshooting guide for common issues.

Problem	Possible Cause	Solution
No hot water	No power supply Thermostat set too low Heating element failure	Check power connection and circuit breaker Adjust thermostat to a higher setting Contact service technician
Insufficient hot water	Thermostat set too low High hot water demand Sediment buildup in tank	Increase temperature setting Allow more time for reheating Drain and flush the tank (professional service recommended)
Water is too hot	Thermostat set too high	Decrease temperature setting
Water leak	Loose connections Faulty safety valve Tank corrosion	Tighten connections Inspect and replace safety valve Contact service technician
Heating indicator not lighting up	Water already at set temperature Heating element issue	This is normal if water is hot enough Contact service technician

Safety Features: The water heater is equipped with an overheat sensor and a dry heating sensor. If these sensors detect abnormal conditions, the heater may automatically shut off to prevent damage. If this occurs, turn off the power, wait for the unit to cool, and then restart. If the problem persists, contact customer support.

6. PRODUCT SPECIFICATIONS

Detailed technical specifications for the Tornado Electric Water Heater Model TEEE-30MW.



Figure 5: Product Dimensions.

Feature	Detail
Model Number	TEEE-30MW
Capacity	30 Liters
Electrical Power	1500 Watts
Color	White
Inner Tank Material	Enameled, Anti-rust
Safety Features	Overheat Sensor, Dry Heating Sensor, Non-return Safety Valve
Heating Element	Copper with Magnesium Anodes
Body Material	Special treated material, resistant to water vapor and humidity
Insulation	High-density foam
Cold Water Inlet	1/2 G
Hot Water Outlet	1/2 G
Dimensions (H x W x D)	450 x 450 x 490 mm
Net Weight	15.6 kg
Gross Weight	18.2 kg
Country of Origin	Egypt

7. WARRANTY AND SUPPORT

7.1 Warranty Information

This Tornado Electric Water Heater Model TEEE-30MW comes with a **5-year full free warranty** provided by the manufacturer/brand from the date of purchase. Please retain your purchase receipt as proof of purchase for warranty claims.

7.2 Customer Support

For any technical assistance, warranty claims, or further inquiries, please contact Tornado customer service. Refer to your product packaging or the manufacturer's official website for the most current contact information.