

TROTEC TTK 171 ECO

TROTEC TTK 171 ECO Industrial Dehumidifier Instruction Manual

Model: TTK 171 ECO (1120001125)

1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your TROTEC TTK 171 ECO industrial dehumidifier. Please read this manual thoroughly before initial use and keep it for future reference. Proper use ensures optimal performance and extends the lifespan of the unit.

The TROTEC TTK 171 ECO is designed for professional dehumidification tasks in various environments, including construction sites, water damage restoration, and industrial applications. It effectively removes excess moisture from the air, preventing mold growth, corrosion, and other humidity-related issues.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury, damage to the unit, or property damage.

- Ensure the power supply matches the unit's requirements (230V, 50Hz).
- Do not operate the unit with a damaged power cord or plug. Contact qualified personnel for repairs.
- Keep the unit away from flammable materials, explosive substances, and open flames.
- Do not insert objects into the air inlet or outlet grilles.
- Always unplug the unit before cleaning, maintenance, or when not in use.
- Ensure the unit is placed on a stable, level surface to prevent tipping.
- Do not use the unit in areas where water might splash directly onto it.
- 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.
- Children should be supervised to ensure that they do not play with the appliance.

3. PRODUCT OVERVIEW

The TROTEC TTK 171 ECO is a robust and portable industrial dehumidifier. Familiarize yourself with its main components.



Figure 1: Side view of the TROTEC TTK 171 ECO dehumidifier, highlighting its robust construction, wheels, and handle for portability.



Figure 2: Front view of the TROTEC TTK 171 ECO dehumidifier, displaying the air intake grille and the control panel on top.



Figure 3: Rear view of the TROTEC TTK 171 ECO dehumidifier, showing the power cord storage bracket and the air outlet grille.

4. SETUP

4.1 Unpacking

1. Carefully remove the dehumidifier from its packaging.
2. Inspect the unit for any signs of damage during transit. If damage is found, do not operate the unit and contact your supplier.
3. Remove all packing materials and dispose of them responsibly.

4.2 Placement

- Place the dehumidifier on a firm, level surface.
- Ensure there is at least 20 cm (8 inches) of clear space around all sides of the unit for proper air circulation.
- Do not place the unit near heat sources or in direct sunlight.

- For optimal performance, close all doors and windows in the room where the dehumidifier is operating.

4.3 Power Connection

- Ensure the power switch is in the 'OFF' position before plugging in the unit.
- Connect the power plug to a properly grounded electrical outlet.

5. OPERATING INSTRUCTIONS

5.1 Control Panel

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



Figure 4: Close-up of the modern control panel for the TROTEC TTK 171 ECO dehumidifier, featuring a digital humidity display, power button, timer, and humidity adjustment controls.

Key functions on the control panel typically include:

- **Power Button:** Turns the unit ON/OFF.
- **Humidity Setting Buttons (+/-):** Adjusts the desired humidity level (e.g., 30% - 90% RH).
- **Timer Button:** Sets the operating time (e.g., 1-24 hours) or delay start.
- **Display:** Shows current humidity, set humidity, or timer settings.
- **Indicator Lights:** May include 'Tank Full', 'Continuous Operation', 'Defrost', and 'Timer' indicators.

5.2 Initial Operation

1. Plug in the unit.
2. Press the Power button to turn on the dehumidifier.
3. The display will show the current room humidity.
4. Use the humidity setting buttons to set your desired humidity level. The unit will operate until this level is

reached, then cycle on and off to maintain it.

5.3 Dehumidification Modes

- **Automatic Mode:** The unit operates until the set humidity level is reached, then pauses. It restarts automatically if the humidity rises above the set point.
- **Continuous Operation:** If available, select this mode for continuous dehumidification regardless of the humidity level. This is often used for severe moisture problems or during water damage restoration.
- **Timer Function:** Use the timer to set a specific operating duration (e.g., 2 hours) or to delay the start of operation.

5.4 Water Drainage

The TROTEC TTK 171 ECO offers two methods for water drainage:

- **Internal Water Tank:** Condensed water collects in the removable internal tank. When the tank is full, the unit will automatically shut off and an indicator light will illuminate. Empty the tank and reinsert it to resume operation.
- **Continuous Drainage:** For extended operation without manual emptying, a drainage hose can be connected to the unit to direct water to a floor drain or larger container. Refer to the unit's side panel for the drainage outlet.



Figure 5: Interior view of the TROTEC TTK 171 ECO dehumidifier with the front panel open, revealing the air filter, evaporator coils, and the removable water collection tank.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your dehumidifier.

6.1 Cleaning the Air Filter

The air filter should be cleaned regularly (e.g., every two weeks or more frequently in dusty environments) to prevent reduced airflow and efficiency.

1. Unplug the dehumidifier from the power outlet.
2. Open the front panel of the unit to access the air filter.

3. Remove the air filter.
4. Clean the filter using a vacuum cleaner or wash it gently with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinserting.
5. Reinsert the dry filter and close the front panel.



Figure 6: Interior view of the TROTEC TTK 171 ECO dehumidifier with the front panel open and the water collection tank partially removed, illustrating access for cleaning or continuous drainage setup.

6.2 Cleaning the Unit

- Unplug the unit before cleaning.
- Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure no water enters the electrical components.

6.3 Storage

- If storing the unit for an extended period, ensure it is clean and dry.
- Empty the water tank and clean the filter.
- Store the unit upright in a dry, dust-free environment.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Power cord damaged; Full water tank; Room temperature too low.	Check power connection; Inspect power cord; Empty water tank; Ensure room temperature is above 5°C (41°F).
Dehumidifier runs but no water collects	Room humidity is already low; Room temperature too low; Air filter clogged; Unit too small for the room.	Check current humidity level; Ensure room temperature is adequate; Clean air filter; Consider a larger capacity unit if needed.
Unit is noisy	Unit not on a level surface; Obstruction in fan; Loose parts.	Place on a level surface; Check for and remove any obstructions; Contact service if noise persists.
Water leaks from unit	Water tank not properly inserted; Drainage hose improperly connected or blocked.	Ensure water tank is correctly seated; Check drainage hose for kinks or blockages and secure connection.

8. SPECIFICATIONS

Technical data for the TROTEC TTK 171 ECO dehumidifier.

Feature	Specification
Brand	TROTEC
Model Number	1120001125
Dehumidification Capacity (max.)	52 Liters/day
Power Consumption	0.65 kW
Recommended Floor Area	Up to 80 m ² (230 m ³ volume)
Dimensions (L x W x H)	24 x 69 x 2.5 cm (Product dimensions from spec, actual unit is larger, likely 24 x 69 x ~40-50cm)
Weight	25 Kilograms
Material	Alloy Steel

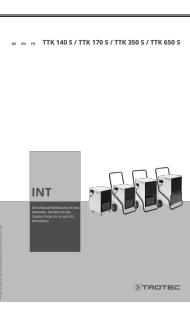
Feature	Specification
Number of Speeds	2
Energy Class	A to G
Special Features	Digital display, Timer
Internal Water Tank Capacity	Approx. 5-7 liters (with continuous drainage option)
Color	White with black accents (Note: Product specification lists 'Black')

9. WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts, please refer to the documentation provided with your purchase or contact TROTEC customer service directly. Keep your proof of purchase for warranty claims.

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Related Documents - TTK 171 ECO

 <p>TTK 166 ECO</p>	<p>TROTEC TTK 166 ECO Dehumidifier User Manual Features, Operation, Maintenance</p> <p>Comprehensive user manual for the TROTEC TTK 166 ECO dehumidifier. Learn about its features, installation, operation, maintenance, troubleshooting, and technical specifications. Keep your environment dry and healthy.</p>
 <p>TTK 30 E</p>	<p>TROTEC TTK 30 E Dehumidifier: Features, Specifications, and Operation Guide</p> <p>Comprehensive guide to the TROTEC TTK 30 E dehumidifier, detailing its technical specifications, operational instructions, features, and safety guidelines for effective moisture control in indoor environments.</p>
 <p>TTK 140 S / TTK 170 S / TTK 350 S / TTK 650 S</p>	<p>TROTEC TTK 140 S / TTK 170 S / TTK 350 S / TTK 650 S Dehumidifier User Manual</p> <p>Comprehensive user manual for the TROTEC TTK 140 S, TTK 170 S, TTK 350 S, and TTK 650 S dehumidifiers. This guide provides detailed instructions on operation, safety, maintenance, and troubleshooting.</p>



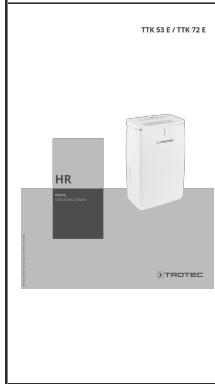
[Trotec Dehumidifier Guide: Understanding Humidity and Choosing the Right Device](#)

A comprehensive practical knowledge guide from Trotec on understanding humidity, the principles of dehumidification (condensation and desiccation), different dehumidifier technologies (compressor, Peltier, desiccant), and how to select the right device for your needs.



[Manual de Instruções TROTEC TTK 166 ECO](#)

Guia completo para o desumidificador TROTEC TTK 166 ECO, cobrindo instalação, operação segura, manutenção e solução de problemas para garantir o desempenho ideal.



[TROTEC TTK 53 E / TTK 72 E Dehumidifier User Manual](#)

Comprehensive user manual for the TROTEC TTK 53 E and TTK 72 E dehumidifiers, covering operation, safety, maintenance, and technical specifications. Includes troubleshooting and disposal information.