Wpsoert CA-TZ04

Wpsoert 30-Pint Dehumidifier (Model CA-TZ04) User Manual

Model: CA-TZ04 | Brand: Wpsoert

1. Introduction

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your Wpsoert 30-Pint Dehumidifier, Model CA-TZ04. Please read this manual thoroughly before using the appliance and retain it for future reference.

The Wpsoert 30-Pint Dehumidifier is designed to remove excess moisture from the air in medium to large spaces, up to 2500 sq.ft., helping to create a more comfortable and healthy indoor environment. It features smart humidity control, multiple operating modes, and convenient drainage options.

2. Product Overview

Familiarize yourself with the components and features of your dehumidifier.



Figure 2.1: Front view of the Wpsoert 30-Pint Dehumidifier, showing its compact white design with side vents and bottom wheels.



Figure 2.2: Diagram illustrating the dehumidifier's approximate dimensions (41cm height, 26.5cm width, 27cm depth) and key design features including 360° rotatable wheels, built-in handle, washable filter, and auto defrost function.

Key Features:

- **High Capacity:** Removes up to 30 pints (34 pints at 95°F, 90%RH) of moisture per day, suitable for areas up to 2500 sq.ft.
- **Smart Humidity Control:** Adjustable humidity range from 30% to 80% with automatic operation.
- **Multiple Operating Modes:** DEHU (Dehumidification), DRY (Clothes Drying), and CONT (Continuous) modes.
- **Two Drainage Options:** 0.52-gallon (2L) removable water tank with auto shut-off, or continuous drainage via included hose.
- **User-Friendly Design:** Smart touch control panel, built-in handles, 360° universal wheels for easy mobility.
- **Safety Features:** 24-hour timer, automatic defrost, child lock, full water protection, power-off memory.
- **Quiet Operation:** Designed for low noise levels, suitable for bedrooms and living areas.

3. Setup and Installation

3.1 Unpacking

1. Carefully remove the dehumidifier from its packaging.
2. Remove all packing materials, including any tape or protective films.
3. Inspect the unit for any signs of damage. If damaged, do not operate and contact customer support.

3.2 Placement

- Place the dehumidifier on a flat, stable surface.
- Ensure there is at least 8 inches (20 cm) of space around the unit for proper airflow.
- Avoid placing the unit near heat sources, in direct sunlight, or in areas where it may be exposed to splashing water.
- For optimal performance, close all doors and windows in the room where the dehumidifier is operating.

3.3 Power Connection

- Plug the power cord into a grounded electrical outlet.
- Ensure the voltage matches the specifications of the unit.

4. Operation

The dehumidifier features a smart touch control panel for easy operation.



Figure 4.1: Detailed view of the smart touch control panel, indicating buttons for Lock (3s), Speed, Timer, Humidity Setting (HUMI), Mode Switching, and Power ON/OFF, along with a digital display for live humidity and a Water Full Reminder icon.

4.1 Power ON/OFF

- Press the **POWER** button to turn the unit ON or OFF.

4.2 Setting Humidity Level (DEHU Mode)



Figure 4.2: Graph illustrating smart dehumidification, where the unit automatically starts and stops to maintain a target humidity level, shown as a fluctuating line around a set point.

1. Press the **MODE** button until **DEHU** mode is selected.
2. Press the **HUMI** button to adjust the desired humidity level between 30% and 80% in 5% increments.
3. The unit will automatically operate to maintain the set humidity level, turning on when humidity rises above the set point and off when it falls below.

4.3 Operating Modes



Figure 4.3: Visual representation of the three operating modes: DEHU (Dehumidification) for general room humidity control, DRY (Clothes Drying) for efficient garment drying, and CONT (Continuous) for rapid humidity reduction in basements or highly damp areas.

- **DEHU Mode:** Standard dehumidification. Set your desired humidity level (30%-80%). The unit will cycle on/off to maintain this level.
- **DRY Mode:** Designed for drying clothes. The unit operates continuously at high fan speed to quickly remove moisture from the air, assisting in drying laundry.
- **CONT Mode:** Continuous operation. The dehumidifier runs continuously at a high fan speed, aiming to reduce indoor humidity to approximately 30%. This mode is suitable for very damp environments requiring rapid moisture removal.

4.4 Fan Speed Adjustment

- Press the **SPEED** button to toggle between low and high fan speeds.

4.5 Timer Function



Figure 4.4: Image showing the dehumidifier operating in a living room with an overlay indicating a "24 HOURS" timer function, allowing scheduled operation for optimized moisture control.

- Press the **TIMER** button to set a delay for the unit to turn ON or OFF (1-24 hours).
- Press the button repeatedly to adjust the desired time. The timer will activate after a few seconds of inactivity.

4.6 Child Lock



Figure 4.5: Image depicting a child playing in a living room with the dehumidifier, highlighting the Child Lock feature to prevent accidental button presses.

- Press and hold the **LOCK (3S)** button for 3 seconds to activate or deactivate the child lock.
- When activated, all other buttons on the control panel will be unresponsive.

4.7 Automatic Defrost

- The unit is equipped with an automatic defrost function to prevent ice buildup on the evaporator coils, ensuring efficient operation in cooler environments.
- During defrost, the compressor will temporarily turn off, and the fan will continue to run to melt any ice.

4.8 Power Outage Restart



Figure 4.6: Diagram illustrating the Power Outage Restart function, showing the sequence from shutdown due to power loss to automatic restart with previous settings once power is restored.

- In the event of a power interruption, the dehumidifier will automatically resume operation with its previous settings once power is restored.

5. Drainage Options

Your dehumidifier offers two methods for water removal: manual tank emptying or continuous drainage.



Figure 5.1: Comparison of the two drainage methods: a dehumidifier with its 1.7L manual water tank removed for emptying, and another unit connected to a 3.4 ft hose for continuous auto drainage.

5.1 Manual Drainage (Water Tank)



Figure 5.2: Image illustrating the Full Water Protection feature, where the dehumidifier emits a beep and automatically shuts off when the water tank is full, preventing overflow.

- The dehumidifier has a 0.52-gallon (2L) water tank.
- When the tank is full, the unit will automatically shut off, and the "Water Full" indicator light will flash.
- Carefully pull out the water tank using its handle.
- Empty the collected water.
- Reinsert the water tank firmly into the unit. The dehumidifier will resume operation.

5.2 Continuous Drainage

- For continuous operation without manual emptying, use the included 1.4-meter (4.6 ft) drain hose.
- Locate the drain port on the back of the dehumidifier.
- Connect one end of the drain hose to the port.
- Route the other end of the hose to a suitable drain (e.g., floor drain, sink) ensuring it is sloped downwards to allow gravity drainage.
- Ensure the hose is not kinked or blocked.
- If the included hose is not long enough, a standard garden hose can be used as an alternative.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your dehumidifier.



Figure 6.1: Image highlighting the dehumidifier's easy maintenance and portability features, including a built-in handle, 360° rotatable wheels, a washable filter being removed, and the auto defrost function icon.

6.1 Cleaning the Air Filter

- It is recommended to clean the air filter every two weeks or more frequently depending on usage and air quality.
- Turn off and unplug the dehumidifier.
- Locate the air filter cover (usually on the back or side of the unit).
- Remove the filter.
- Wash the filter with warm, soapy water. Rinse thoroughly.
- Allow the filter to air dry completely before reinserting it. Do not use a dryer or direct heat.
- Reinstall the dry filter and close the cover.

6.2 Cleaning the Water Tank

- Clean the water tank periodically to prevent mold and mildew growth.
- Remove the water tank and empty any remaining water.
- Wash the tank with warm water and a mild detergent.
- Rinse thoroughly and dry before placing it back into the unit.

6.3 Exterior Cleaning

- Wipe the exterior of the dehumidifier with a soft, damp cloth.
- Do not use harsh chemicals, abrasive cleaners, or solvents, as these may damage the surface.

6.4 Storage

- If storing the unit for an extended period, ensure the water tank is empty and clean, and the filter is clean and dry.
- Wrap the power cord neatly.
- Store the dehumidifier in an upright position in a cool, dry place, away from direct sunlight and extreme temperatures.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	• No power supply. • Water tank is full or not properly inserted. • Child lock is activated.	• Check power cord connection and wall outlet. • Empty water tank and ensure it is securely in place. • Deactivate child lock by pressing and holding the LOCK button for 3 seconds.
Unit is running but not removing moisture.	• Air filter is clogged. • Room temperature is too low (below 5°C/41°F). • Humidity setting is too high. • Doors/windows are open.	• Clean the air filter. • Dehumidifiers are less effective in very cold conditions. • Lower the desired humidity setting. • Close all doors and windows in the operating area.
Unit is noisy.	• Unit is not on a level surface. • Air filter is dirty.	• Ensure the unit is on a flat, stable surface. • Clean the air filter.
Water leaks from the unit.	• Water tank is not properly inserted. • Drain hose is improperly connected or blocked (if using continuous drainage).	• Reinsert the water tank securely. • Check drain hose connection and ensure it is not kinked or blocked.

8. Specifications

Feature	Detail
Brand	Wpsoert
Model Number	CA-TZ04
Dehumidification Capacity	30 Pints (34 Pints at 95°F, 90%RH)
Coverage Area	Up to 2500 Sq.Ft.
Water Tank Capacity	0.52 Gallons (2 Liters)
Adjustable Humidity Range	30% - 80%
Power/Wattage	480 watts
Product Dimensions (L x W x H)	35.05 x 50.04 x 50.04 cm (approx. 13.8 x 19.7 x 19.7 inches)
Item Weight	8.76 kg (approx. 19.3 lbs)
Material	Plastic

Feature	Detail
Special Features	Continuous Drainage, DEHU/DRY/CONT Modes, Automatic Dehumidification, Removable Water Tank, Power Off Memory, Silent Operation, 24H Timer, Automatic Shutdown, Automatic Defrost, Washable Filter, Full Water Protection, Digital Display, Child Lock.

9. Warranty and Support

For warranty information, technical support, or service inquiries, please contact Wpsoert customer service. Details are typically provided with your product packaging or on the official Wpsoert website.
Please have your model number (CA-TZ04) and purchase date available when contacting support.

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