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Wpsoert WP05

Wpsoert WP05 45 Pint Dehumidifier User Manual

Model: WP05

1. Introduction

Thank you for choosing the Wpsoert WP05 45 Pint Dehumidifier. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your appliance. Please read it thoroughly before use and retain it for future reference.

Important Safety Instructions

- Always operate the unit on a stable, level surface.
- Ensure the power supply matches the rating label on the unit.
- Do not block air inlets or outlets.
- Keep children and pets away from the appliance during operation.
- Unplug the unit before cleaning or maintenance.
- Do not use in areas with flammable or combustible materials.
- If the power cord is damaged, it must be replaced by the manufacturer or a qualified service agent.

2. Product Overview

The Wpsoert WP05 Dehumidifier is designed to efficiently remove excess moisture from indoor spaces up to 4000 sq.ft, helping to create a healthier and more comfortable environment. It features intelligent humidity control, multiple operating modes, and user-friendly design elements.

Key Features

- **High Efficiency:** Removes up to 45 pints of moisture per day (at 95°F/90% RH).
- **Wide Coverage:** Suitable for areas up to 4000 sq.ft.
- **Adjustable Humidity:** Maintain relative humidity between 30% and 80%.
- **Quiet Operation:** Operates at approximately 40dB.
- **Multiple Modes:** DEHU (Dehumidify), DRY (Clothes Drying), CONT (Continuous).
- **Convenient Drainage:** Includes a 6.56ft drain hose for continuous drainage or a 0.53-gallon (2-liter) removable water tank.
- **User-Friendly Controls:** Digital display, 24-hour timer, 2 fan speeds, auto defrost, child safety lock.

- **Portability:** Equipped with 360° wheels and side handles for easy movement.
- **Washable Filter:** For easy maintenance and improved air quality.

Component Identification



Figure 2.1: Front view of the Wpsoert WP05 Dehumidifier, showing the water tank and control panel.



Figure 2.2: Close-up of the dehumidifier's easy control panel with digital display and function buttons.



Figure 2.3: Diagram showing the internal premium compressor, powerful fan system, and auto defrost function.

3. Setup and Installation

3.1 Unpacking

Carefully remove the dehumidifier from its packaging. Inspect the unit for any shipping damage. Retain the packaging for future storage or transport.

3.2 Placement

- Place the dehumidifier on a firm, level surface capable of supporting its weight when the water tank is full.

- Ensure there is at least 8 inches (20 cm) of space around the unit for proper airflow. Do not place it against a wall or furniture that could obstruct air intake or exhaust.
- For optimal performance, close all doors and windows in the room where the dehumidifier is operating.
- Avoid placing the unit near heat sources or in direct sunlight.

3.3 Power Connection

Plug the 3-prong grounded power cord into a suitable electrical outlet. Ensure the outlet meets the electrical requirements specified on the unit's rating label.

4. Operating Instructions

4.1 Control Panel Overview

The control panel is located on the top of the unit. It includes a digital display and various buttons for controlling the dehumidifier's functions.



Figure 4.1: Detailed view of the control panel buttons and digital display.

- **Power Button:** Turns the unit ON/OFF.
- **Mode Button:** Cycles through DEHU, DRY, and CONT modes.
- **Humidity (HUMI) Button:** Adjusts the desired humidity level (35%-80% in DEHU mode).
- **Speed Button:** Selects fan speed (Low/High).
- **Timer Button:** Sets the auto ON/OFF timer (1-24 hours).
- **Lock Button:** Activates/deactivates the child safety lock.
- **Digital Display:** Shows current humidity, set humidity, or timer settings.

4.2 Operating Modes

- **DEHU Mode (Dehumidify):**
  This is the standard dehumidification mode. Press the "Mode" button until "DEHU" is displayed. Use the "HUMI" button to set your desired humidity level (e.g., 50%). The unit will operate until the set humidity is reached, then cycle ON/OFF to maintain it.
- **DRY Mode (Clothes Drying):**
  Designed for accelerated clothes drying. In this mode, the unit operates continuously at high fan speed, regardless of the ambient humidity. Press the "Mode" button until "DRY" is displayed.
- **CONT Mode (Continuous):**
  The unit will run continuously, removing moisture without regard to a set humidity level. This is ideal for very damp environments like basements or garages. Press the "Mode" button until "CONT" is displayed.



Figure 4.2: Visual representation of DEHU, DRY, and CONT operating modes.

4.3 Setting the Timer

To set the auto-off timer:

1. With the unit ON, press the "Timer" button.
2. Use the "HUMI" or "Speed" buttons to adjust the desired operating hours (1-24 hours).
3. The timer will start counting down, and the unit will turn off automatically when the set time expires.

To set the auto-on timer:

1. With the unit OFF, press the "Timer" button.
2. Use the "HUMI" or "Speed" buttons to adjust the desired delay before the unit turns on (1-24 hours).
3. The unit will turn on automatically after the set time.

4.4 Child Safety Lock

Press and hold the "Lock" button for 3 seconds to activate the child safety lock. This will disable all other buttons on the control panel. To deactivate, press and hold the "Lock" button again for 3 seconds.

5. Water Drainage

The Wpsoert WP05 Dehumidifier offers two drainage options: manual drainage using the water tank or continuous drainage with the included hose.

5.1 Manual Drainage (Water Tank)

- The unit has a 0.53-gallon (2-liter) removable water tank.
- When the tank is full, the dehumidifier will automatically shut off, and an indicator light will illuminate.
- Carefully pull out the water tank from the front of the unit.
- Empty the collected water.
- Slide the empty tank back into the unit until it clicks into place. The dehumidifier will resume operation.

5.2 Continuous Drainage (Drain Hose)

For continuous operation without needing to empty the water tank, use the included 6.56ft drain hose.

1. Locate the drain outlet on the back or side of the unit (refer to product diagrams).
2. Remove the rubber stopper from the drain outlet.
3. Connect one end of the drain hose to the outlet, ensuring a secure fit.
4. Direct the other end of the hose to a suitable drain (e.g., floor drain, large bucket, sink). Ensure the hose is sloped downwards to allow gravity drainage and is free of kinks.
5. Once connected, the unit will continuously drain water, bypassing the internal tank.



Figure 5.1: Illustration of the two drainage methods: manual tank emptying and continuous drainage via hose.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your dehumidifier.

6.1 Cleaning the Air Filter

The air filter should be cleaned every two weeks or more frequently depending on usage and air quality.

1. Unplug the dehumidifier from the power outlet.
2. Locate the air filter (usually on the back or side of the unit).
3. Gently remove the filter.

4. Wash the filter with warm, soapy water. Rinse thoroughly.
5. Allow the filter to air dry completely before reinstalling. Do not use a dryer or direct heat.
6. Reinsert the dry filter into the unit.



Figure 6.1: Image illustrating the removable and washable air filter.

6.2 Cleaning the Unit Exterior

- Wipe the exterior with a soft, damp cloth.
- Do not use harsh chemicals, abrasives, or solvents, as these can damage the surface.

6.3 Storage

If storing the unit for an extended period:

1. Unplug the unit and empty the water tank completely.
2. Clean the air filter and ensure it is dry.
3. Allow the unit to dry for at least 24 hours in a well-ventilated area.
4. Store the dehumidifier upright in a cool, dry place, away from direct sunlight and extreme temperatures.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Unit does not turn on.	No power; Water tank full or incorrectly installed; Child lock active.	Check power connection; Empty and reinsert water tank correctly; Deactivate child lock.
No water collected or low dehumidification.	Ambient humidity too low; Air filter clogged; Room temperature too low; Doors/windows open.	Check current humidity; Clean air filter; Ensure room temperature is above 41°F (5°C); Close doors/windows.
Unit is noisy.	Unit not on a level surface; Air filter clogged.	Place on a level surface; Clean air filter.

Problem	Possible Cause	Solution
Frost appears on coils.	Low room temperature.	The unit has an auto-defrost function. If frost persists, increase room temperature.
Water leaks from unit.	Water tank not properly seated; Drain hose connection loose or kinked.	Reinstall water tank correctly; Check drain hose for secure connection and kinks.

8. Specifications

Feature	Detail
Brand	Wpsoert
Model Name	WP05
Dehumidification Capacity	45 Pints per Day (at 95°F/90% RH)
Floor Area Coverage	Up to 4000 Square Feet
Tank Volume	2 Liters (0.53 Gallons)
Product Dimensions (D x W x H)	18"D x 8.98"W x 11.8"H
Item Weight	26.9 pounds
Wattage	145 watts
Number of Speeds	2 (Low, High)
Operation Modes	Continuous, Dry, Dehumidify
Material	Acrylonitrile Butadiene Styrene (ABS)
Included Components	Dehumidifier unit, 3-Prong Grounded Power Cord, Drain Hose, Removable Water Tank, User Manual
UPC	751757631831

9. Warranty and Support

Warranty Information

Wpsoert offers a **30-day exchange/refund policy** and a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
The warranty does not cover damage resulting from:

- Accident, misuse, abuse, or alteration.
- Use with unauthorized accessories or parts.
- Improper installation or operation not in accordance with this manual.
- Repairs performed by unauthorized service centers.

Please retain your proof of purchase for warranty claims.

Customer Support

If you have any questions regarding the operation, maintenance, or troubleshooting of your Wpsoert dehumidifier, or require technical support or after-sales service, please contact us. Our customer service team is available to assist you.
Contact Information: Please refer to the contact details provided on your product packaging or the official Wpsoert website for the most up-to-date support information.

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