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De'Longhi DDX250PEF

De'Longhi 50 Pint Dehumidifier with Pump - Instruction Manual

Model: DDX250PEF

1. Introduction

The De'Longhi 50 Pint Dehumidifier with Pump is designed to improve the air quality in your home by effectively reducing dampness, household odors, and humidity. This unit helps create an environment less hospitable to allergens like mold, mildew, and dust mites. It covers up to 4,500 sq.ft. and is equipped with convenient features for ease of use and efficient operation.

Key features include a 24-hour timer, two fan speeds, auto defrost function, an LCD panel, and a water level window. Its dual drainage option offers flexibility for continuous operation. This Energy Star 5.0 Certified unit is up to 10% more efficient than previous models, ensuring healthier breathing and optimal comfort.



Figure 1: Front view of the De'Longhi 50 Pint Dehumidifier.

2. Setup

Follow these steps for the initial setup of your dehumidifier:

1. **Unpacking:** Carefully remove the dehumidifier from its packaging. Remove all tape and packing materials.

2. **Placement:** Place the unit on a stable, level surface. Ensure there is at least 8 inches (20 cm) of space around the unit for proper airflow. The unit is portable with built-in wheels for easy movement.

Figure 2: Recommended placement for effective dehumidification.

3. **Filter Installation:** Locate the filter compartment, typically at the back or side. Insert the carbon filter and ensure the washable filter is properly seated.



Figure 3: Installing the air filter.

4. **Power Connection:** Plug the power cord into a grounded electrical outlet. Avoid using extension cords.

3. Operating Instructions

Your De'Longhi dehumidifier offers simple controls for effective operation.



Figure 4: Control panel and display.

3.1 Power On/Off

Press the **Power button** (⏻) to turn the unit on or off. The LCD panel will display the current humidity level.

3.2 Setting Desired Humidity

Use the **+** and **-** buttons to set your desired humidity level. The unit will operate until the set humidity is reached.

3.3 Fan Speed

Press the **Fan Speed button** (🌀) to toggle between two fan speeds: Low and High.

3.4 Timer Function

The 24-hour timer allows you to program the unit to turn on or off after a set number of hours.

3.5 Drainage Options

Your dehumidifier offers dual drainage options:

- **Manual Drainage:** When the 12.68-pint water bucket is full, an alert will sound and an indicator will flash. Simply pull out the bucket using its easy-carry handle and empty it.



Figure 5: Removing the water collection bucket.

- **Continuous Drainage with Pump:** For long periods of operation or if you cannot empty the tank regularly, use the included 13ft hose and pump system. Connect the hose to the pump outlet (located behind the front panel) and direct it

to a sink or vertically out a window. Press the **Pump button** () to activate the pump.

- **Gravity Drainage:** An additional 3ft draining hose is included for gravity drainage. This hose connects to a separate outlet at the back of the unit and requires the hose to be placed below the unit's water tank level for proper drainage.

4. Maintenance

Regular maintenance ensures the longevity and efficiency of your dehumidifier.

- **Cleaning the Air Filter:** The washable filter screens impurities. It is recommended to clean it monthly or more frequently depending on usage. Remove the filter, rinse it under running water, and allow it to air dry completely before reinserting.
- **Carbon Filter:** The carbon filter helps reduce odors. Replace it as needed, typically every 3-6 months, depending on air quality and usage.
- **Cleaning the Water Bucket:** Periodically clean the water bucket with mild soap and water to prevent mold and mildew buildup.
- **External Cleaning:** Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

5. Troubleshooting

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; Power cord unplugged; Water bucket full or incorrectly inserted.	Check power outlet; Ensure power cord is securely plugged in; Empty and reinsert water bucket correctly.
No water collected.	Humidity level is too low; Temperature is too low (Auto Defrost active); Air filter is clogged.	Adjust desired humidity setting; Ensure room temperature is above 41°F (5°C); Clean or replace air filter.
Unit is noisy.	Unit is on an uneven surface; Air filter is clogged; Fan speed is set to High.	Place unit on a level surface; Clean air filter; Select a lower fan speed.
Water leaks from the unit.	Water bucket is full or improperly seated; Drainage hose is kinked or blocked.	Empty and reinsert water bucket; Check drainage hose for obstructions or kinks.

6. Specifications

Feature	Detail
Brand	De'Longhi
Model Name	50 Pint Dehumidifier with Pump
Model Number	DDX250PEF
Dehumidification Capacity	50 Pints per Day (70 Pint 2012 DOE Standard)

Feature	Detail
Coverage Area	Up to 4,500 sq.ft.
Tank Volume	12.68 Pints
Fan Speeds	2
Included Components	13ft pump hose, 3ft gravity draining hose
Item Weight	47 Pounds
Product Dimensions	12.6 x 15.35 x 24.4 inches
Material	Electrical, Plastic, Refrigerant Gas, Stainless Steel
Energy Star Certified	Yes (5.0)



Figure 6: Product dimensions.

7. Warranty and Support

Warranty: This De'Longhi dehumidifier comes with a 2-year warranty.

Support: For technical assistance, troubleshooting beyond this manual, or warranty claims, please refer to the contact information provided in your product's packaging or visit the official De'Longhi website for customer service details.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

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