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De'Longhi DDX235PEF

De'Longhi 35 Pint Dehumidifier with Pump

Model: DDX235PEF User Manual

1. Introduction

This manual provides essential information for the safe and efficient operation of your De'Longhi 35 Pint Dehumidifier with Pump. This appliance is designed to reduce humidity levels in indoor environments, helping to prevent mold, mildew, and other moisture-related issues. Please read this manual thoroughly before using the dehumidifier and retain it for future reference.



Figure 1.1: Front view of the De'Longhi 35 Pint Dehumidifier.

The De'Longhi dehumidifier is suitable for areas up to 3000 square feet, effectively managing humidity in various spaces such as basements, living rooms, and bedrooms. Its integrated pump system offers flexible drainage options, allowing for continuous operation without manual bucket emptying.



Figure 1.2: Example areas for dehumidifier placement within a home.

2. Safety Information

Always adhere to the following safety precautions to prevent injury or damage to the appliance:

- Ensure the power supply matches the voltage specified on the unit's rating label.
- Do not operate the dehumidifier with a damaged power cord or plug.
- Keep the unit upright during operation and transport.
- Do not block air inlets or outlets. Maintain at least 8 inches (20 cm) clearance around the unit.
- Unplug the unit before cleaning, maintenance, or when not in use.
- Do not immerse the unit, power cord, or plug in water or other liquids.
- This appliance is for residential use only.

3. Product Overview

3.1 Components

- **Control Panel:** Digital display and buttons for settings.
- **Air Inlet Grille:** Where air enters the unit.
- **Air Outlet Grille:** Where dehumidified air exits.
- **Water Tank (Bucket):** Collects condensed water.

- **Continuous Drain Outlet:** For gravity drainage.
- **Pump Drain Outlet:** For pump-assisted drainage.
- **Air Filter:** Removable and washable filter.
- **Casters:** For easy mobility.

3.2 Control Panel



Figure 3.1: Detailed view of the control panel.

- **Power Button:** Turns the unit on or off.
- **Fan Speed Button:** Adjusts fan speed (Low, Medium, High).
- **Humidity Setting Buttons (+/-):** Adjusts desired humidity level.
- **Timer Button:** Sets auto-on/off timer.
- **Pump Button:** Activates or deactivates the internal pump for continuous drainage.
- **Display Screen:** Shows current humidity, set humidity, and other indicators.

4. Setup

4.1 Unpacking and Placement

1. Carefully remove the dehumidifier from its packaging.
2. Place the unit on a firm, level surface capable of supporting its weight when the water tank is full.
3. Ensure there is at least 8 inches (20 cm) of clear space around all sides of the unit for proper airflow.
4. Avoid placing the unit near heat sources, in direct sunlight, or in areas exposed to freezing temperatures.

4.2 Drainage Options

Your De'Longhi dehumidifier offers multiple ways to remove collected water:

4.2.1 Manual Drainage (Water Tank)

The unit will automatically stop operating when the water tank is full and an indicator light will illuminate. To empty:

1. Gently pull out the water tank from the front of the unit.
2. Empty the collected water into a sink or drain.
3. Slide the empty tank back into the unit until it clicks into place. The unit will resume operation.

4.2.2 Continuous Gravity Drainage

For continuous operation without emptying the tank, you can connect a hose for gravity drainage. This requires the hose outlet to be lower than the unit's drain port.

1. Locate the continuous drain outlet at the back of the unit.
2. Remove the rubber stopper (if present).
3. Connect a standard garden hose (not included) to the outlet. Ensure a tight connection to prevent leaks.
4. Direct the other end of the hose to a suitable drain (e.g., floor drain, large bucket). Ensure the hose is not kinked or elevated, as this will prevent proper drainage.

4.2.3 Pump Drainage

The integrated pump allows water to be drained upwards or over longer distances, providing greater flexibility in placement. A drain hose is typically included for this purpose.

1. Locate the pump drain outlet, usually at the bottom rear of the unit.
2. Connect the provided drain hose to the pump drain outlet.
3. Direct the other end of the hose to a sink, drain, or other suitable receptacle. The pump can lift water up to a certain height (refer to specifications for exact lift height).
4. Press the **Pump Button** on the control panel to activate the pump function. The pump indicator light will illuminate.

5. Operating Instructions

5.1 Turning On/Off

- To turn on: Press the **Power Button**. The unit will start in its last used settings or default mode.
- To turn off: Press the **Power Button** again.

5.2 Setting Desired Humidity

The recommended humidity level for comfort and health is typically between 40% and 60% relative humidity.

1. With the unit on, use the **Humidity Setting Buttons (+/-)** to adjust the desired humidity level.
2. The display will show the set humidity percentage. After a few seconds, it will revert to showing the current room humidity.
3. The dehumidifier will operate until the set humidity level is reached, then cycle on and off to maintain it.

5.3 Adjusting Fan Speed

Press the **Fan Speed Button** to cycle through available fan speeds: Low, Medium, and High. Higher fan speeds will dehumidify faster but may produce more noise.

5.4 Timer Function

The timer allows you to set a specific duration for the unit to turn on or off automatically.

- **Auto-Off:** While the unit is running, press the **Timer Button** repeatedly to select the desired number of hours (e.g., 2H, 4H, 8H) until the unit turns off.
- **Auto-On:** While the unit is off, press the **Timer Button** repeatedly to select the desired number of hours until the unit turns on.



Figure 5.1: Digital display showing humidity and operational settings.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life 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.





Figure 6.1: Removing the air filter for cleaning.

1. Turn off the dehumidifier and unplug it from the power outlet.
2. Locate the filter access panel (usually at the front or side).
3. Gently pull out the air filter.
4. Clean the filter using a vacuum cleaner to remove dust and debris. For heavy dirt, wash the filter with warm, soapy water.
5. Rinse thoroughly and allow the filter to air dry completely before reinserting.
6. Reinsert the dry filter and close the access panel.

6.2 Cleaning the Water Tank

Clean the water tank periodically to prevent mold or bacterial growth.

1. Remove the water tank from the unit.
2. Wash the tank with mild detergent and warm water.
3. Rinse thoroughly and dry before placing it back into the unit.

6.3 Storage

If storing the dehumidifier for an extended period:

1. Empty and clean the water tank.
2. Clean the air filter.
3. Ensure the unit is completely dry inside by running the fan-only mode for a few hours.
4. Coil the power cord neatly.
5. Store the unit in an upright position in a cool, dry place, away from direct sunlight and extreme temperatures.

7. Troubleshooting

Before contacting customer service, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; Water tank full or not properly inserted.	Check power connection; Empty and reinsert water tank correctly.
No water collected.	Room humidity is too low; Air filter is clogged; Temperature is too low.	Check current humidity; Clean air filter; Ensure room temperature is above 41°F (5°C).
Unit runs continuously.	Set humidity is too low; Room is too large or very humid.	Increase set humidity; Consider using multiple units for very large spaces.
Noisy operation.	Unit not on a level surface; Air filter clogged.	Place on a flat, stable surface; Clean air filter.
Pump not draining water.	Pump function not activated; Drain hose kinked or blocked.	Press the Pump button; Check and clear any obstructions in the drain hose.

8. Specifications

Feature	Specification
Model Name	DDX235PEF
Dehumidification Capacity	35 Pints per Day
Recommended Floor Area	Up to 3000 Square Feet
Water Tank Volume	12.68 Pints
Power Consumption	382 watts
Air Flow Capacity	169 Cubic Feet Per Minute
Operating Temperature Range	Up to 89.6 Degrees Fahrenheit (Optimal performance above 41°F / 5°C)
Product Dimensions (W x D x H)	12.6 x 15.35 x 24.4 inches
Item Weight	41 Pounds
UPC	044387332354

9. Warranty and Support

For warranty information and customer support, please refer to the warranty card included with your product or visit the official De'Longhi website. Keep your purchase receipt as proof of purchase for any warranty claims.
If you encounter issues not covered in the troubleshooting section, or require further assistance, please contact De'Longhi customer service. Contact details can typically be found on the product packaging or the official brand website.

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