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› LUKO 2000 Sq. Ft Dehumidifiers for Large Room and Basements, 30 Pints Dehumidifier with Drain Hose, Auto or Manual Drainage, 0.528 Gallon Water Tank, Auto Defrost, Dry Clothes Function, 24H Timer User Manual

LUKO D010

LUKO 30 Pints Dehumidifier User Manual

Model: D010

1. INTRODUCTION

Thank you for choosing the LUKO 30 Pints Dehumidifier. This manual provides essential information for the safe and efficient operation of your new appliance. Please read it thoroughly before use and keep it for future reference.

This dehumidifier is designed to effectively remove excess moisture from the air, creating a more comfortable and healthy environment in spaces up to 2,000 square feet. It features multiple functions including auto defrost, dry clothes mode, and intelligent humidity control.

2. IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire, electric shock, or injury, observe the following:

- Read all instructions before using this appliance.
- Ensure the unit stands upright for at least 24 hours before initial use to allow refrigerant to settle.
- Do not operate the dehumidifier with a damaged cord or plug.
- Do not block air inlets or outlets.
- Keep the appliance away from heat sources and direct sunlight.
- Always unplug the unit before cleaning or performing any maintenance.
- This appliance is for residential use only.
- Do not use in areas where water is likely to accumulate.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- LUKO 30 Pints Dehumidifier Unit
- Drain Hose (3.3 ft long)

- User Manual (this document)

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your LUKO Dehumidifier.





Figure 4.1: Front view of the LUKO 30 Pints Dehumidifier, showing its compact design and casters.



Figure 4.2: Close-up of the intelligent control panel with LED digital display, showing humidity percentage and various function buttons.



Figure 4.3: Illustration highlighting the ergonomic grip for easy lifting and 360-degree universal wheels for convenient mobility.

3-Layer Patent Filter

for Long Lifetime
Better Air Quality



**3.2ft
Hose Included**
for Continuous Drain



**68oz
Water Tank**
Auto Shut Off When Full



Easy-glide Casters
Easy to Move from Room to Room



Figure 4.4: Key features including the 3-layer patent filter, 3.2ft continuous drain hose, 68oz water tank with auto shut-off, and easy-glide casters.

5. SETUP

5.1 Unpacking and Placement

1. Carefully remove the dehumidifier from its packaging.
2. Place the unit upright on a flat, stable surface. **Important: Allow the unit to stand upright for at least 24 hours before plugging it in and turning it on. This allows the refrigerant to settle after transit.**
3. Ensure there is at least 8 inches (20 cm) of space around all sides of the unit for proper airflow.
4. Avoid placing the unit near heat-generating appliances or in direct sunlight.

5.2 Installing Casters (Optional)

The dehumidifier comes with 360-degree rotatable wheels for easy movement. If not pre-installed, you may need to attach them.

- Locate the four caster wheels and the corresponding holes on the bottom of the unit. Some units may have

rubber foot pads covering these holes; gently remove them if present.

- Insert each caster stem firmly into its designated hole until it clicks into place.

5.3 Power Connection

- Plug the power cord into a grounded electrical outlet.

6. OPERATING INSTRUCTIONS

6.1 Control Panel Overview

The intelligent control panel allows for easy operation and monitoring.



Figure 6.1: Control panel showing Power, Timer, Full, Cont, Hum Set, and Speed buttons, along with the digital display.

- **Power Button:** Turns the unit On/Off.
- **Timer Button:** Sets the 24-hour auto On/Off timer.

- **Full Indicator:** Lights up when the water tank is full and the unit automatically shuts off.
- **CONT (Continuous) Mode:** Activates continuous dehumidification regardless of humidity level.
- **HUM SET Button:** Adjusts the desired humidity level (30% to 80%).
- **Speed Button:** Switches between two fan speeds (High/Low).

6.2 Initial Operation

1. Press the **Power** button to turn on the dehumidifier. The digital display will show the current room humidity.
2. Press the **HUM SET** button repeatedly to set your desired humidity level. The recommended range for comfort and mold prevention is 40-60%. The unit will operate until the set humidity is reached, then cycle on and off to maintain it.
3. Press the **Speed** button to select your preferred fan speed (High or Low). High speed provides faster dehumidification, while Low speed offers quieter operation.

6.3 Special Functions

6.3.1 Auto Defrost Function

The unit is equipped with an Auto Defrost function. If frost builds up on the evaporator coils, the compressor will automatically turn off, and the fan will continue to run until the frost melts. This ensures efficient operation in cooler environments.

TWO UPGRADED HUMANIZED DESIGN FUNCTIONS



Auto Defrost Function

When frost is detected, the dehumidifier will defrosts automatically without manual setting.



Dry Clothes Function

Quick-dry clothes and other damp - prone items.



Figure 6.2: Visual representation of the Auto Defrost function (snowflake icon) and Dry Clothes function (laundry icon).

6.3.2 Dry Clothes Function

This mode is specifically designed to quickly dry clothes and other damp items. When activated, the unit will operate continuously at high fan speed to remove moisture from the air, assisting in faster drying.

6.3.3 24-Hour Timer

Use the Timer button to set a specific time for the unit to turn on or off automatically. Press the Timer button, then use the HUM SET buttons to adjust the desired hours (1-24). The timer will activate after a few seconds.



Figure 6.3: Illustration of the 24-hour auto on/off timer function.

6.3.4 Humidity Level Indicator Lights

The control panel features intelligent 3-color humidity level display lights:

- **Red:** 20%-49% humidity
- **Blue:** 50%-67% humidity
- **Green:** 68%-81% humidity



Figure 6.4: The humidity ring indicator displaying different colors based on the ambient humidity level.

6.4 Drainage Options

Your dehumidifier offers two methods for water removal:

6.4.1 Manual Drainage (Water Tank)

The unit is equipped with a large detachable 68oz (0.528 Gallon) water tank. When the tank is full, the unit will automatically shut off, and the "Full" indicator light will illuminate to prevent overflow.

1. When the tank is full, 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 water tank back into the unit until it is securely in place. The unit will resume operation.

2 OPTIONAL DRAINING METHODS

Manual Drainage

Auto shut off when the 2L large water tank is full

Continuous Drainage

Drain automatically and continuously by gravity.



Figure 6.5: Comparison of manual drainage (removing the water tank) and continuous drainage (using the drain hose).



Figure 6.6: The "FULL" indicator light on the control panel, signaling that the water tank needs to be emptied.

6.4.2 Continuous Drainage

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

1. Locate the continuous drain outlet on the back or side of the dehumidifier.
2. Remove the rubber stopper from the drain outlet.
3. Connect the provided 3.3ft 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 for gravity drainage and is free of kinks or blockages.

7. MAINTENANCE

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

7.1 Cleaning the Air Filter

The dehumidifier features a detachable and washable 3-layer filter to maintain air quality. Clean the filter 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 cover, usually on the back or side of the unit. Open or remove it.
3. Carefully pull out the air filter.
4. Wash the filter with warm, soapy water. Rinse thoroughly and allow it to air dry completely before re-installing. Do not use a dishwasher or expose to direct sunlight for drying.
5. Once dry, re-insert the filter and close the cover.



Figure 7.1: Steps for removing and washing the dehumidifier's air filter.

7.2 Cleaning the Water Tank

Clean the water tank periodically to prevent mold and mildew growth.

- Remove the water tank as described in the "Manual Drainage" section.
- Wash the tank with mild detergent and warm water. Rinse thoroughly.
- Dry the tank completely before placing it back into the unit.

7.3 Cleaning the Exterior

Wipe the exterior of the dehumidifier with a soft, damp cloth. Do not use harsh chemicals, abrasives, or solvents.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; Power cord not plugged in; Water tank full or not properly seated; Unit not upright for 24 hours.	Check power outlet; Plug in power cord securely; Empty and re-seat water tank; Allow unit to stand upright for 24 hours before use.
No water collected or low dehumidification.	Humidity level already low; Room temperature too low; Air filter clogged; Air inlets/outlets blocked; Unit size too small for area.	Check current humidity; Ensure room temperature is above 41°F (5°C); Clean air filter; Clear obstructions; Consider a larger capacity unit for the space.
Unit is noisy.	Unit not on a level surface; Air filter clogged; Loose parts.	Place on a flat, stable surface; Clean air filter; Contact customer support if noise persists.
Frost on coils.	Room temperature too low.	This is normal. The unit has an auto-defrost function that will activate. If frost persists, increase room temperature.
Water leaking.	Water tank not properly seated; Drain hose not connected securely or kinked/blocked.	Re-seat water tank; Check drain hose connection and ensure it's clear and sloped downwards.

9. SPECIFICATIONS

Technical details for the LUKO 30 Pints Dehumidifier:

Feature	Detail
Model Name	30 Pints Dehumidifier (D010)
Dehumidification Capacity	30 Pints/Day (at 95°F, 90% RH)
Coverage Area	Up to 2,000 sq ft
Water Tank Capacity	68 oz (0.528 Gallons)
Humidity Setting Range	30% - 80%
Working Temperature	41°F - 95°F (5°C - 35°C)
Noise Level	≤45dB(A)
Power Consumption	270 Watts
Product Dimensions (D x W x H)	8.78"D x 10.16"W x 17.9"H
Item Weight	4.25 pounds (68 ounces)
Material	Acrylonitrile Butadiene Styrene (ABS)

Feature	Detail
Included Components	Dehumidifier, Drain Hose

Luko 30 Pints Dehumidifier



Moisture Removal Rate: 30 Pints/Day
(90°F, 90%)

Working Temperature: 41-95°F

Humidity Setting Range: 20-80%

Auto Defrost: Yes

Auto Restart: Yes

Washable Filter: Yes

Noise: ≤45dB(A)

Water container Capacity: 68oz

Drain House Included: Yes

Warranty: 2-Years

Figure 9.1: Visual summary of key specifications and dimensions.

10. WARRANTY AND CUSTOMER SUPPORT

10.1 Warranty Information

LUKO provides a 2-year warranty for this dehumidifier, covering defects in materials and workmanship from the date of purchase. This warranty does not cover damage caused by misuse, accident, unauthorized modifications, or normal wear and tear.

10.2 Customer Support

If you have any questions, require technical assistance, or need to claim warranty service, please contact LUKO customer support. Refer to the contact information provided on the product packaging or the official LUKO website.

For the most up-to-date support information, please visit the [LUKO Store on Amazon](#).