

Inofia HD161A

Inofia 30 Pint Dehumidifier User Manual

Model: HD161A

1. INTRODUCTION AND OVERVIEW

The Inofia HD161A Dehumidifier is designed to efficiently remove excess moisture from your indoor environment, creating a more comfortable and healthier living space. This portable unit is suitable for various areas up to 1500 square feet, including basements, bathrooms, attics, garages, campers, and RVs. It features intelligent controls, multiple drainage options, and low-temperature operation capabilities.



Figure 1: Front view of the Inofia 30 Pint Dehumidifier.

2. SAFETY INSTRUCTIONS

- Always place the dehumidifier on a stable, level surface to prevent tipping and water spillage.
- Ensure proper clearance around the unit (at least 8 inches) for optimal airflow and performance.

- Do not block air inlets or outlets.
- Do not operate the unit with a damaged power cord or plug. If damaged, contact qualified service personnel.
- Unplug the dehumidifier before cleaning, performing maintenance, or when not in use for extended periods.
- Keep the unit away from heat sources, direct sunlight, and flammable materials.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

3. PRODUCT FEATURES

- **High Dehumidification Capacity:** Removes up to 30 pints of moisture per day, covering areas up to 1500 sq ft.
- **Intelligent Control Panel:** Features a digital display for current humidity levels, fan speed settings (High/Low), a 1-24 hour timer, and humidity level adjustment.
- **Auto Shut-off & Restart:** Automatically stops when the set humidity level is reached or the water tank is full, and restarts when humidity rises or after a power interruption.
- **Continuous Drainage Option:** Includes a 6.56-ft drain hose for continuous gravity drainage, eliminating the need for manual tank emptying.
- **Removable Water Tank:** Equipped with a 4-pint (0.5-gallon) water reservoir with an audible alert when full.
- **Auto Defrost Function:** Operates efficiently in low-temperature environments down to 41°F (5°C).
- **Portable Design:** Compact size (12.2 x 8.2 x 17.3 inches) and a recessed handle for easy relocation.
- **Quiet Operation:** Operates at a peak noise level of 46 dB(A).

CONTROL PANEL



HIGH/LOW SPEED



24H TIMER



HUMIDITY



ON/OFF



Figure 2: Detailed view of the intelligent control panel.

4. SETUP

1. **Unpacking:** Carefully remove the dehumidifier from its packaging. Retain packaging materials for future storage or transport.
2. **Placement:** Place the unit upright on a firm, level surface in the desired location. Ensure there is at least 8 inches of space around all sides for proper air circulation. Avoid placing it near heat sources, in direct sunlight, or in areas where it might be exposed to freezing temperatures (below 41°F / 5°C) for prolonged periods without the auto-defrost function active.
3. **Power Connection:** Plug the power cord into a grounded electrical outlet. Ensure the voltage matches the unit's requirements.



Figure 3: Proper placement of the dehumidifier in a room.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview

The control panel on top of the unit allows you to manage all functions. It includes a digital display, power button, setting button, timer button, and fan speed button.

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Video 1: An overview of the Inofia dehumidifier's features, including the control panel and drainage options.

5.2 Basic Operation

1. **Power On/Off:** Press the **POWER** button to turn the unit on or off. The digital display will show the current humidity level.
2. **Setting Humidity:** Press the **SETTING** button repeatedly to cycle through desired humidity levels (e.g., 35%, 40%, 45%, 50%, 55%, 60%, 65%, 70%, 75%, 80%). The unit will operate until the set humidity is reached, then automatically shut off. It will restart when the humidity rises above the set level.

3. **Fan Speed:** Press the **SPEED** button to switch between High and Low fan speeds. High speed provides faster dehumidification, while Low speed offers quieter operation.
4. **Timer Function:** Press the **TIMER** button to set an auto-on or auto-off time (1-24 hours). Each press increases the time by one hour. The unit will automatically turn on or off after the set time.

6. DRAINAGE OPTIONS

The Inofia dehumidifier offers two methods for water removal:

6.1 Manual Drainage (Water Tank)

- When the 4-pint water tank is full, the unit will automatically shut off and emit an audible alert. The "Full" indicator light on the control panel will illuminate.
- Carefully pull out the water tank from the back of the unit.
- Empty the collected water into a sink or drain.
- Slide the empty water tank back into the unit until it clicks into place. The unit will resume operation if the humidity is above the set level.

6.2 Continuous Drainage (Hose)

For continuous operation without manual emptying, use the included 6.56-ft drain hose.

1. Locate the continuous drain outlet at the back of the unit, above the water tank.
2. Remove the rubber stopper from the drain outlet.
3. Firmly attach one end of the drain hose to the outlet.
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 prevent kinks or blockages.
5. Once connected, the unit will continuously drain water, bypassing the internal tank.



Figure 4: Back view illustrating the water tank removal and continuous drain hose connection point.

7. MAINTENANCE

7.1 Cleaning the Air Filter

A clean air filter is crucial for efficient operation. Clean the filter every two weeks or more frequently if the unit is used in a dusty environment.

1. Turn off the dehumidifier and unplug it from the power outlet.
2. Locate the air filter at the back of the unit (behind the air intake grille).
3. Gently pull out the filter.
4. Wash the filter with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinserting. Do not use a dishwasher.
5. Once dry, slide the filter back into its slot.

7.2 Cleaning the Unit

- Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals, abrasives, or solvents.
- Clean the water tank regularly to prevent mold and mildew growth. Rinse it with clean water and a mild detergent, then dry thoroughly before reinserting.

7.3 Storage

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

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on.	No power, power cord loose, water tank full or not properly inserted.	Check power connection. Empty and reinsert water tank correctly.
No water collected or low dehumidification.	Humidity level too low, air filter clogged, room temperature too low, unit size too small for area.	Adjust humidity setting lower. Clean air filter. Ensure room temperature is above 41°F (5°C). Consider unit capacity for room size.
Unit is noisy.	Fan speed set to High, unit not on a level surface, internal components vibrating.	Switch to Low fan speed. Place unit on a level surface. Contact support if noise persists.
Water leaks from unit.	Water tank not properly inserted, continuous drain hose kinked or blocked, unit tilted.	Reinsert water tank. Check and straighten drain hose. Ensure unit is level.

9. SPECIFICATIONS

Specification	Value
Brand	Inofia
Model Name	30 Pints Dehumidifier Mid-Size Portable For (HD161A)
Dehumidification Capacity	30 Pints per Day
Coverage Area	Up to 1500 Square Feet
Water Tank Capacity	4 Pints (0.5 Gallons / 1.89 Liters)
Dimensions (L x W x H)	12.2 x 8.2 x 17.3 inches
Item Weight	24.9 Pounds
Material	Plastic
Wattage	200 watts
Operation Mode	Auto Defrost
Air Flow Capacity	190 CMPH

Specification	Value
UPC	738447510072

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Inofia website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Visit the Inofia Store: [Inofia Official Store](#)