

## AMANA AMND501PAW

# Amana 50-Pint Portable Dehumidifier with Pump

Model: AMND501PAW

## INTRODUCTION

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This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Amana 50-Pint Portable Dehumidifier with Pump, Model AMND501PAW. Please read all instructions carefully before using the appliance and retain this manual for future reference.

## IMPORTANT SAFETY INFORMATION

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

- Always plug the unit into a grounded 115V, 60Hz electrical outlet. Do not use extension cords or adapter plugs.
- Do not operate the dehumidifier if the power cord or plug is damaged.
- Keep the unit away from heat sources and direct sunlight.
- Ensure the unit is placed on a level, stable surface to prevent tipping.
- Do not block air intake or exhaust vents. Maintain at least 8 inches (20 cm) of clearance around the unit.
- Unplug the dehumidifier before cleaning, servicing, or moving it.
- Do not immerse the unit, power cord, or plug in water or other liquids.
- This appliance is not intended for use by persons 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.

## PRODUCT OVERVIEW

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The Amana 50-Pint Portable Dehumidifier is designed to efficiently remove excess moisture from your indoor environment. Key features include:

- **Moisture Removal:** Up to 50 pints (23.6 liters) of moisture per day.

- **Adjustable Humidistat:** Customize humidity levels between 30% and 90%.
- **Integrated Pump:** Allows for continuous drainage to a higher elevation or distant drain.
- **Water Bucket:** 16.2-pint (7.6 liters) capacity with a full alert and automatic shut-off.
- **Washable Filter:** Reusable, easy-access filter for optimal air quality and efficiency.
- **Control Panel:** Touch controls with an LED display for easy operation.
- **Fan Speeds:** Three fan speed settings.
- **Timer:** 24-hour programmable on/off timer.
- **Portability:** Equipped with 4 easy-rolling caster wheels and integrated side handles.
- **Auto-Restart:** Unit automatically resumes operation with previous settings after a power outage.



Figure 1: Front view of the Amana 50-Pint Portable Dehumidifier in a typical room environment.



Figure 2: The unit features four caster wheels for easy mobility.

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Video 1: An overview of the Amana Dehumidifier's key features and portability.

## SETUP INSTRUCTIONS

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### 1. Placement

- Place the dehumidifier on a smooth, level floor strong enough to support the unit with a full bucket of water.
- Ensure there is at least 8 inches (20 cm) of air space on all sides of the unit for proper air circulation.
- Avoid placing the unit near heat-generating appliances or in direct sunlight.
- For optimal performance, operate the dehumidifier in an enclosed area. Close all doors and windows to the room.



Figure 3: Proper placement of the dehumidifier in a room, ensuring adequate clearance.

## 2. Power Connection

Plug the power cord into a grounded 115V, 60Hz electrical outlet. The unit is designed for a standard household electrical supply.

## 3. Drainage Options

Your dehumidifier offers three drainage methods:

- **Manual Drainage (Bucket):** Water collects in the internal 16.2-pint bucket. When full, the unit will automatically shut off and indicate that the bucket needs to be emptied.
- **Continuous Gravity Drainage:** For continuous operation without emptying the bucket, attach a standard garden hose (not included) to the continuous drain port on the back of the unit. Ensure the hose is sloped downwards to a floor drain.
- **Pump Drainage:** The built-in pump allows water to be drained upwards or to a more distant location. Connect the included drain hose to the pump drain port. Ensure the hose is securely attached and directed to a suitable drain.



Figure 4: Illustration of the built-in pump drainage system.

## OPERATING INSTRUCTIONS

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### Control Panel



## ADJUSTIBLE HUMIDISTAT

Set unit between 30-90%  
for full customizable comfort

Figure 5: The control panel with touch buttons and LED display.

The control panel features an LED display and touch-sensitive buttons for various functions:

- **Power Button:** Turns the unit on or off.
- **Humidity Setting Buttons (Up/Down Arrows):** Adjust the desired humidity level from 30% to 90% in 5% increments.
- **Fan Speed Button:** Cycles through Low, Medium, and High fan speeds.
- **Timer Button:** Sets the 24-hour on/off timer.
- **Pump Button:** Activates or deactivates the internal pump for continuous drainage.
- **Filter Reset Button:** Resets the filter cleaning reminder light after cleaning.

### Setting Desired Humidity

Press the Up or Down arrow buttons to set your desired humidity level. The unit will operate until the room's humidity reaches the set level, then cycle on and off to maintain it. A typical comfortable humidity range is between 45% and 55%.

### Fan Speed Selection

Press the Fan Speed button to select your preferred fan speed: Low, Medium, or High. Higher fan speeds will remove moisture more quickly but may produce more noise.

## Timer Function

Use the Timer button to program the unit to turn on or off automatically after a set number of hours (1-24 hours).

- **To set Auto-Off:** With the unit running, press the Timer button and use the Up/Down arrows to select the desired off-time.
- **To set Auto-On:** With the unit off, press the Timer button and use the Up/Down arrows to select the desired on-time.

## Auto Shut-Off and Bucket Full Alert

The dehumidifier is equipped with an automatic shut-off feature. When the water bucket is full, the unit will stop operating, and an indicator light will illuminate to alert you to empty the bucket.



**MAXIMUM SAVINGS** | Minimal Noise

Figure 6: Visual representation of the auto shut-off, built-in pump, and bucket full alert functions.

## MAINTENANCE

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

## 1. Cleaning the Air Filter

The washable air filter should be cleaned every two weeks or more frequently depending on usage and air quality. A dirty filter can reduce efficiency and cause the unit to work harder.

1. Turn off and unplug the dehumidifier.
2. Remove the filter from the back of the unit.
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinstalling. Do not use a dryer or direct heat.
5. Once reinstalled, press the Filter Reset button on the control panel.



Figure 7: The removable, washable filter being cleaned under running water.

## 2. Emptying and Cleaning the Water Bucket

When the bucket is full, carefully remove it from the unit. Empty the collected water. Periodically clean the bucket with mild detergent and water to prevent mold and mildew growth. Rinse thoroughly before replacing.



Figure 8: Removing the water collection bucket for emptying.

### 3. Storage

If storing the unit for an extended period:

- Unplug the unit and empty the water bucket.
- Clean the air filter.
- Allow the unit to dry for 24 hours before storing to prevent mold.
- Store the dehumidifier in an upright position in a cool, dry place.

### TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
Dehumidifier does not turn on.	No power; Power cord loose; Bucket full; Temperature too low.	Ensure unit is plugged in; Check circuit breaker; Empty bucket; Operate in temperatures above 41°F (5°C).
Unit runs but does not collect water.	Air filter clogged; Room temperature too low; Humidity setting too high; Room too large or leaky.	Clean air filter; Ensure room temperature is adequate; Lower humidity setting; Close doors/windows.
Unit is noisy.	Unit not level; Air filter clogged; Fan speed too high.	Place on a level surface; Clean air filter; Select a lower fan speed.
Water leaks from the unit.	Bucket not properly seated; Drain hose loose or clogged.	Ensure bucket is fully inserted; Check drain hose connections and clear any blockages.
Frost appears on coils.	Room temperature too low.	The unit has an auto-defrost function. If frost persists, increase room temperature.

## SPECIFICATIONS

<b>Feature</b>	<b>Detail</b>
Brand	AMANA
Model Number	AMND501PAW
Dehumidification Capacity	50 Pints per Day
Water Bucket Capacity	16.2 Pints
Product Dimensions (D x W x H)	10.68" x 15.1" x 24.01" (27.1 cm x 38.4 cm x 61.0 cm)
Item Weight	40.7 Pounds (18.5 kg)
Power Supply	115V, 60Hz
Number of Fan Speeds	3
Air Flow Capacity	232 Cubic Feet Per Minute (CFM)
Operating Temperature Range	41°F - 89.6°F (5°C - 32°C)
Material	Plastic
Special Features	Automatic Shutoff, Built-In Pump, Timer, Washable Filter, Auto-Restart
UPC	840148728714



Figure 9: Product dimensions for the Amana 50-Pint Portable Dehumidifier.

## WARRANTY AND SUPPORT

This product comes with a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms, conditions, and duration. For technical support, replacement parts, or warranty claims, please contact Amana customer service.

**Customer Service:** Refer to the contact information provided in your product packaging or visit the official Amana website.