Whynter RPD-561EGP

Whynter 50 Pint Portable Dehumidifier User Manual

Model: RPD-561EGP | Brand: Whynter

1. Introduction and Overview

The Whynter 50 Energy Star Pint High Capacity Portable Dehumidifier is designed to efficiently remove excess moisture from areas up to 4000 square feet, enhancing comfort and air quality. This manual provides essential information for the safe and effective use of your dehumidifier.





Figure 1: Front view of the Whynter 50 Pint Portable Dehumidifier.



Figure 2: The dehumidifier's sleek and modern design blends into various home environments.

2. Key Features

- **Energy Star Certified:** 50 pint (70 Pint 2012 DOE Standard) capacity dehumidifier, suitable for areas up to 4000 sq ft, ensuring cost-effective operation.



Figure 3: The Energy Star certification highlights the unit's energy efficiency.

- **High Capacity Moisture Removal:** Capable of extracting up to 50 pints of moisture daily, significantly improving indoor air quality.



Figure 4: The unit's high capacity ensures effective moisture removal for large spaces.

- **Integrated Condensate Pump:** Features a condensate pump that can push water up or over a longer distance, providing flexible drainage options. Includes a 16.5-foot drain hose for the pump and a 3-foot hose for gravity drainage.



Figure 5: The built-in pump allows for vertical and long-distance water drainage.

- **User-Friendly Controls:** Dual fan speeds and a 24-hour timer function, with an adjustable humidity range of 30% to 90% relative humidity.



Figure 6: The intuitive control panel provides easy access to all settings.

- **Quiet Operation:** Operates at a noise level below 55 dBA, ensuring minimal disturbance.



Figure 7: The dehumidifier is designed for ultra-quiet operation, suitable for bedrooms and living areas.

- **Portability:** Equipped with handles and caster wheels for easy movement between rooms.

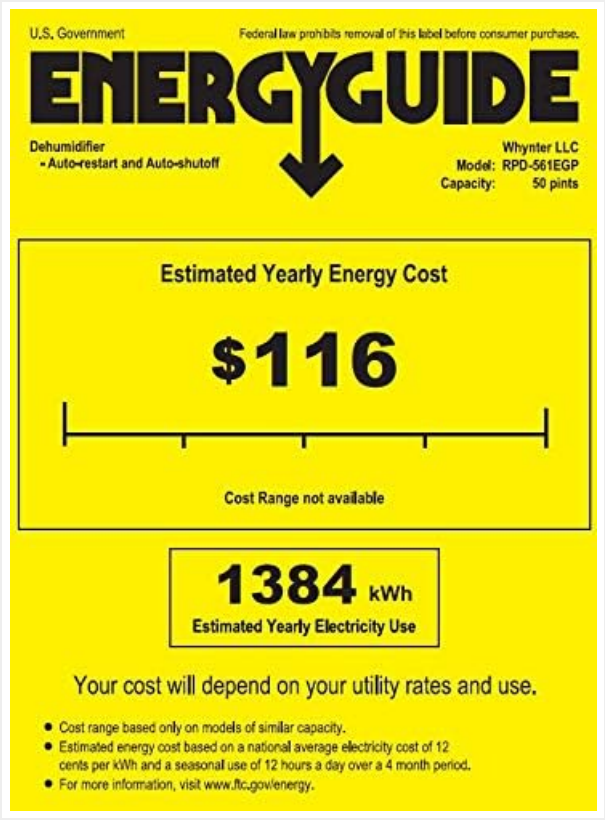


Figure 8: Convenient rolling wheels allow for easy transport of the unit.

- **Safety Features:** Includes low temperature operation (minimum ambient temperature 40°F), auto-restart, and auto-shutoff functions.
- **Eco-Friendly Refrigerant:** Uses non-ozone-depleting R410a refrigerant.

3. Setup

Proper setup is crucial for optimal performance and longevity of your dehumidifier. Please follow these steps carefully:

1. **Unpacking:** Carefully remove the dehumidifier from its packaging. Avoid tipping the unit more than 45 degrees during transport or unpacking. If the unit was tipped, allow it to stand upright for at least 2-4 hours before plugging it in to allow the refrigerant to settle.
2. **Placement:** Place the dehumidifier on a flat, stable surface in the area where moisture removal is desired. Ensure there is at least 8-12 inches of space around all sides of the unit for proper airflow.
3. **Power Connection:** Plug the unit into a grounded electrical outlet.
4. **Drainage Options:** Your dehumidifier offers two primary drainage methods:
    - **Manual Drainage (Water Bucket):** The unit comes with an 18-pint removable water bucket. When the bucket is full, the unit will automatically shut off and an indicator light will illuminate. Carefully remove and empty the bucket, then reinsert it securely.



Figure 9: The front panel includes a visible water level indicator for the removable bucket.



Figure 10: The 18-pint water bucket features a handle for easy removal and emptying.

- **Continuous Drainage (Gravity):** For continuous operation without emptying the bucket, attach the included 3-foot drain hose to the gravity drain port on the unit. Ensure the hose is sloped downwards to a suitable drain (e.g., floor drain, large basin) to allow water to flow by gravity.
- **Continuous Drainage (Pump):** For draining water to a higher or more distant location, connect the included 16.5-foot drain hose to the condensate pump outlet. Route the hose to a sink, larger drain, or other suitable receptacle. The pump will automatically activate when needed.

4. Operating Instructions

Familiarize yourself with the control panel for efficient operation.



Figure 11: The control panel features a digital display and various function buttons.

1. **Power On/Off:** Press the Power button ( ) to turn the unit on or off.
2. **Setting Humidity Level:** Use the Up (▲) and Down (▼) arrows to set your desired humidity level between 30% and 90% relative humidity. The unit will operate until the set humidity is reached, then cycle on and off to maintain it.
3. **Fan Speed:** Press the Fan Speed button ( ) to toggle between high and low fan speeds.
4. **Timer Function:** Press the Timer button ( ) to set a delayed start or stop time (up to 24 hours).
5. **Auto-Restart:** In case of a power outage, the unit will automatically restart with the previous settings once power is restored.
6. **Auto-Shutoff:** The unit will automatically shut off when the water bucket is full or the set humidity level is reached.
7. **Low Temperature Operation:** The dehumidifier is designed to operate effectively in temperatures as low as 40°F (4.4°C).

5. Maintenance

Regular maintenance ensures efficient operation and extends the lifespan of your dehumidifier.

1. **Emptying the Water Bucket:** If not using continuous drainage, regularly empty the 18-pint water bucket when the "Bucket Full" indicator illuminates. Always turn off the unit before removing the bucket.
2. **Cleaning the Air Filter:** The air filter should be cleaned regularly (e.g., every two weeks or as needed, depending on usage and air quality). A dirty filter can reduce efficiency.
    - Locate the air filter (usually behind the front grille or on the side).
    - Remove the filter and clean it with a vacuum cleaner or wash it with warm, soapy water.
    - Rinse thoroughly and allow it to air dry completely before reinserting.
3. **Cleaning the Unit Exterior:** Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
4. **Storage:** If storing the unit for an extended period, ensure the water bucket is empty and the unit is clean and dry. Store it in an upright position in a cool, dry place.

6. Troubleshooting

If you encounter issues with your dehumidifier, refer to the common problems and solutions below. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, power cord unplugged, full water bucket.	Check power connection, ensure outlet is functional, empty water bucket.
Unit runs but does not collect water.	Humidity level set too high, room temperature too low, dirty air filter, internal component issue (e.g., fan wheel).	Lower desired humidity setting, ensure room temperature is above 40°F, clean air filter. If problem persists, contact customer support.
Unit is noisy.	Unit not on a level surface, dirty air filter, internal fan obstruction.	Ensure unit is on a level surface, clean air filter, check for obstructions.
Water leaks from the unit.	Water bucket not properly seated, continuous drain hose kinked or clogged, unit tilted.	Reinsert water bucket correctly, check drain hose for kinks/clogs, ensure unit is level.

7. Specifications

Feature	Detail
Brand	Whynter
Model Name	50 Pint High Capacity up to 4000 sq ft Portable Dehumidifier with Pump – Gray
Model Number	RPD-561EGP
Dehumidification Capacity	50 Pints per Day (70 Pint 2012 DOE Standard)
Coverage Area	Up to 4000 Square Feet
Water Tank Volume	18 Pints
Fan Speeds	2
Included Components	16.5’ drain hose for condensate pump, 3’ drain hose for gravity drainage

Feature	Detail
Item Weight	41 Pounds
Product Dimensions	12 x 15 x 23.25 inches (W x D x H)
Refrigerant	R410a (Non ozone-depleting)
Operation Mode	Continuous
Noise Level	Below 55 dBA

8. Warranty and Support

Whynter products are designed for reliability and performance. This dehumidifier typically comes with a one-year limited warranty from the date of purchase. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Whynter website.

For technical assistance, troubleshooting beyond this manual, or to inquire about parts and service, please contact Whynter Customer Service. Their team is known for providing excellent support.

Contact Information:

Website: www.whynter.com

Phone: Refer to Whynter's official website for current contact numbers.

Email: Refer to Whynter's official website for current email support.

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Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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