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> Gasbye DryPrime Dehumidifier User Manual

Gasbye DryPrime-50-B

Gasbye DryPrime Dehumidifier User Manual

Model: DryPrime-50-B

INTRODUCTION

Thank you for choosing the Gasbye DryPrime Dehumidifier. This appliance is designed to efficiently remove excess moisture from your indoor environment, improving air quality and comfort. With its Energy Star 2025 certification and powerful performance, it is an ideal solution for spaces up to 4500 square feet, such as basements, large rooms, and garages.

Please read this manual thoroughly before operation to ensure proper use, maintenance, and safety.

SAFETY INFORMATION

Important: Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury to persons.

- Ensure the dehumidifier is placed on a stable, level surface.
- Do not block air inlets or outlets. Maintain at least 8 inches (20 cm) clearance from walls or furniture.
- Due to its 43-pound weight, exercise caution when lifting or moving the unit. Utilize the built-in handle and wheels for easy portability.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

SETUP

Unboxing and Initial Placement

Carefully remove the dehumidifier from its packaging. The unit is protected by sturdy foam and plastic sheeting. Once unboxed, place the dehumidifier upright on a flat, stable surface. Allow the unit to stand upright for at least 24 hours before its first use. This allows the refrigerant to settle, ensuring optimal performance and preventing potential damage to the compressor.



Figure 1: Gasbye DryPrime Dehumidifier (Model DryPrime-50-B) with drain hose connected. Dimensions and Energy Star rating are visible.

The Gasbye DryPrime Dehumidifier is designed for efficient operation in large areas. Its compact dimensions (11"D x 15"W x 24"H) allow for flexible placement. Ensure adequate air circulation around the unit for optimal performance.

Most Efficient 2025 ENERGY STAR Dehumidifier

80% Before

40% After

Most Efficient 2025
ENERGY STAR www.energystar.gov

Category	Saving
Energy Star 2024 Most Efficient	30% Saving
Energy Star 2023 Most Efficient	20% Saving
No-energy Star	0% Saving

Gasbye

UL US LISTED DEHUMIDIFIER SA44764

Dimensions: 15.1" (width) x 11.1" (depth) x 24" (height)

Figure 2: The Gasbye DryPrime Dehumidifier, highlighting its compact dimensions (11"D x 15"W x 24"H) and Energy Star 2025 certification. This model is suitable for areas up to 4500 Sq.Ft.

Portability

The dehumidifier features a built-in top handle and four 360-degree swivel wheels, making it easy to move between rooms or for repositioning. This design enhances convenience, especially when emptying the water tank.

Perfect for Multi-Story Living

4 Wheels & Top Handle for Easy Movement



Figure 3: The Gasbye DryPrime Dehumidifier being carried up stairs using its top handle, demonstrating its portability with built-in wheels.

OPERATING INSTRUCTIONS

Control Panel Overview

The intuitive touch control panel on top of the unit allows for easy operation and monitoring of humidity levels. It features various buttons for different modes and settings.



Figure 4: Close-up of the Gasbye DryPrime Dehumidifier's touch control panel, displaying icons for Normal, Turbo, Comfort, Continuous modes, Timer, Child Lock, Bucket Full indicator, and Auto Defrost.

Operating Modes

- **Normal Mode:** Operates at a low fan speed. Humidity can be adjusted manually between 35% and 80% RH.
- **Turbo Mode:** Operates at a high fan speed for rapid dehumidification. Humidity can be adjusted manually between 35% and 80% RH.
- **Comfort Mode:** Fan speed is low. Humidity is automatically adjusted based on the ambient temperature for optimal comfort. Manual humidity adjustment is not available in this mode.
- **Continuous Mode:** Fan speed is low. The dehumidifier runs continuously and only stops when the water bucket is full. Manual humidity adjustment is not available.

Smart Humidity Control & Auto-Restart

The dehumidifier features smart humidity control. If your target is 50% RH, the compressor stops when the internal sensor reads 47% RH. The fan runs briefly to use leftover coil cooling, boosting efficiency and reducing waste. When humidity rises to 53% RH, the compressor restarts.

In case of a power outage during operation, the unit will automatically resume its previous settings once power is restored, ensuring continuous operation without manual intervention.

How to Verify if Your Dehumidifier is ENERGY STAR Most Efficient 2025

Step 1

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Step 2

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- Portable Dehumidifier (788)
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ENERGY STAR Most Efficient

- Most Efficient (37)

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Sort by: Water Removal Capacity (pts/day)

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Gasbye - DryPrime-50-B Compare

Dehumidifier Type: Portable Dehumidifier

Dehumidifier Efficiency (Integrated Energy Factor - L/kWh) **2.01**

Dehumidifier Water Removal Capacity (pints/day) **49.7**

CLICK FOR PRODUCT DETAILS



Gasbye - DryPrime-50-W Compare

Dehumidifier Type: Portable Dehumidifier

Dehumidifier Efficiency (Integrated Energy Factor - L/kWh) **2.01**

Dehumidifier Water Removal Capacity (pints/day) **49.7**

CLICK FOR PRODUCT DETAILS




Figure 5: Illustration of the dehumidifier's smart humidity control, showing how it maintains desired humidity levels and its auto shut-off and auto-restart capabilities.

MAINTENANCE

Water Drainage Options

The Gasbye DryPrime offers three flexible drainage methods to suit your needs:

- **Manual Drainage:** The unit features a spacious 1.72-gallon (115 pints/D) water tank. When the tank is full, the