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Keystone 50-Pint Portable Dehumidifier

MODEL: KSTAD504F - USER MANUAL

INTRODUCTION

The Keystone 50-Pint Portable Dehumidifier is an Energy Star certified appliance designed to efficiently remove up to 50 pints of moisture from the air per day. It is ideal for larger spaces up to 4,500 square feet, such as basements, garages, and living rooms, helping to improve air quality and reduce humidity, odor, and dampness. This unit combines powerful dehumidification with user-friendly features for optimal comfort and convenience.



Image: Front view of the Keystone 50-Pint Portable Dehumidifier, showcasing its sleek white and gray design.

KEY FEATURES

- **Powerful Dehumidification:** Removes up to 50 pints of moisture per day, suitable for areas up to 4,500

sq.ft.

- **Portable Design:** Equipped with four omni-directional caster wheels for easy movement between rooms.
- **Quiet Operation:** Operates at a low noise level of 51dB, minimizing disruption.
- **User-Friendly Controls:** Features electronic controls, an LED display, Full Bucket alert, and auto shut-off.
- **Easy Maintenance:** Includes a removable and washable mesh filter for optimal performance.
- **Continuous Drain Option:** Allows for hands-off operation by connecting a standard garden hose to a low-level drain.
- **Multiple Settings:** Offers normal, turbo, auto-defrost, and a 24-hour timer.

SETUP

1. Unpacking and Placement

Carefully remove the dehumidifier from its packaging. Place the unit upright on a level, stable surface in the desired location. Ensure there is at least 8 inches of space around the unit for proper air circulation. This dehumidifier is designed for residential use in areas like basements, garages, living rooms, bedrooms, bathrooms, attics, and laundry rooms.



Image: The dehumidifier positioned in a living room, demonstrating suitable placement.

2. Power Connection

Plug the dehumidifier into a standard 115V electrical outlet. Ensure the outlet is properly grounded and can support the unit's wattage (515 watts).

3. Water Drainage Options

The unit offers two primary methods for water removal:

- **Water Bucket (Manual Emptying):** The dehumidifier comes with a 1.8-gallon (14.4 pints) water tank. When the tank is full, the unit will alert you and automatically shut off to prevent overflow. Simply remove the bucket, empty the water, and reinsert it to resume operation.
- **Continuous Drain (Hose Connection):** For continuous, hands-off operation, you can connect a standard garden hose (not included) to the continuous drain port on the back of the unit. Ensure the hose leads to a low-level drain, such as a floor drain or sump pump, allowing gravity to remove the collected water. The unit includes a threaded adaptor with a small internal drain hose for this purpose.

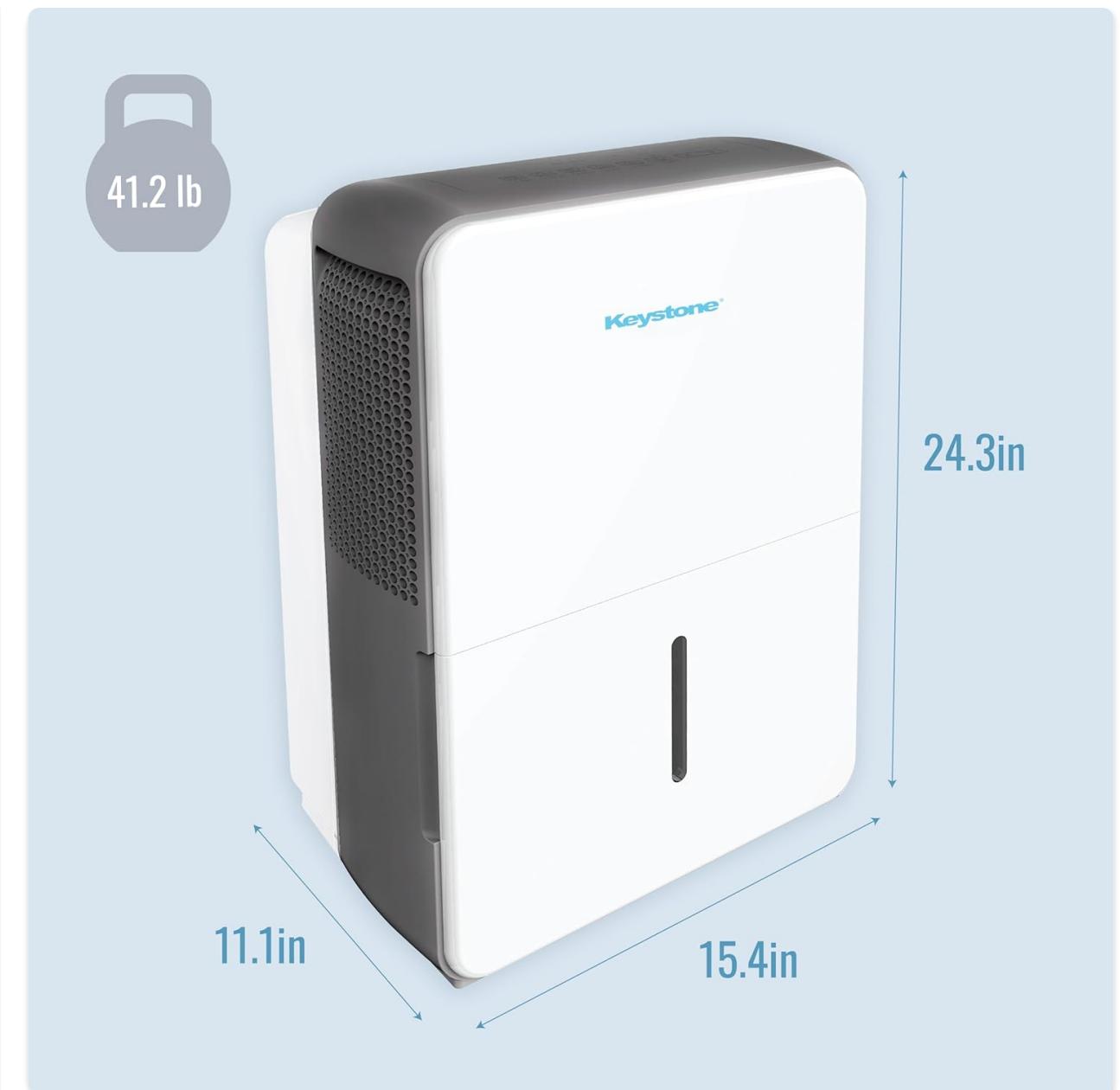


Image: Diagram illustrating the continuous drain option with a hose connected to the dehumidifier.

4. Portability

The dehumidifier is equipped with four durable, omni-directional caster wheels. To move the unit, simply push or pull it to the desired location. Always ensure the unit is unplugged before moving it over long distances or uneven surfaces.



FULL BUCKET ALERT

Auto Shut-Off When Full



Image: A close-up view of the durable omni-directional caster wheels for easy movement.

OPERATING INSTRUCTIONS

1. Control Panel Overview

The dehumidifier features an intuitive electronic control panel with an LED display located on the top of the unit. This panel allows you to adjust settings and monitor the unit's status.



Image: Top view of the dehumidifier's control panel, showing buttons for various functions and the digital display.

2. Power On/Off

Press the **Power** button to turn the unit on or off.

3. Setting Desired Humidity Level

Use the **Up** and **Down** arrow buttons to set your desired humidity level. The unit will operate until the ambient humidity reaches the set level, then cycle on and off to maintain it.

4. Operating Modes

- **Normal Mode:** Standard dehumidification operation.
- **Turbo Mode:** Increases fan speed for faster moisture removal.
- **Auto-Defrost:** The unit automatically performs a defrost cycle if frost builds up on the evaporator coils, ensuring efficient operation in cooler environments.

5. Timer Function

Press the **Timer** button to set a 24-hour on/off timer. This allows you to program the unit to turn on or off automatically after a set period.

6. Full Bucket Alert and Auto Shut-Off

The dehumidifier is equipped with a Full Bucket alert. When the water tank reaches its capacity, an indicator light will illuminate, and the unit will automatically shut off to prevent spills and overflowing. Empty the water bucket and reinsert it to resume operation.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your dehumidifier.

1. Cleaning the Mesh Filter

The dehumidifier has a removable and washable mesh filter. A