

Keystone KYSTD50PAE

Keystone 50-Pint Portable Dehumidifier Instruction Manual

Model: KYSTD50PAE

Brand: Keystone

1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before operating the dehumidifier. Keep this manual for future reference.

- Always connect to a grounded power outlet.
- Do not operate if the power cord or plug is damaged.
- Do not block air inlets or outlets.
- Ensure the unit is placed on a level, stable surface.
- Unplug the unit before cleaning or performing any maintenance.
- Do not use in areas where flammable gases or liquids are present.
- 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.

2. PRODUCT OVERVIEW

The Keystone 50-Pint Portable Dehumidifier is designed to efficiently remove excess moisture from the air, improving air quality and comfort in your home. It is suitable for rooms up to 4500 square feet.



Figure 2.1: Front view of the Keystone 50-Pint Portable Dehumidifier.

This image shows the main unit of the Keystone 50-Pint Portable Dehumidifier. It is white with a clean, rectangular design. The water tank is visible on the lower front with a transparent water level indicator. The control panel is located on the top surface.

Key Features:

- **50 Pints/Day Capacity:** Removes up to 50 pints of moisture per day.
- **15-Pint Water Tank:** Features a transparent water level indicator and a Full Bucket alert with auto shut-off.
- **Built-in Pump:** Allows for continuous upward draining.
- **Electronic Controls with LED Display:** Easy-to-use interface.
- **24-Hour Timer:** For scheduled operation.
- **Washable Filter:** Removable and easy to clean, with a Check Filter alert.
- **Omni-directional Caster Wheels:** For enhanced portability.
- **Energy Star Rated:** Efficient operation.



Figure 2.2: Key features of the dehumidifier.

This image highlights four key features of the dehumidifier: a 24-hour timer icon, a full-bucket alert icon, a check filter alert icon, and an Energy Star rated icon, all displayed next to the dehumidifier unit in a living room setting.

3. SETUP AND INSTALLATION

3.1 Unpacking

- Carefully remove the dehumidifier from its packaging.
- Remove all packing materials, including any tape or labels.
- Inspect the unit for any shipping damage. If damaged, do not operate and contact customer support.

3.2 Placement

For optimal performance, place the dehumidifier in a location where the humidity is highest and air circulation is good. Ensure there is at least 8 inches (20 cm) of space around the unit for proper airflow.



Figure 3.1: Dehumidifier placed in a room.

This image shows the white dehumidifier unit positioned on a light-colored wooden floor in a bright room with large windows and green plants, demonstrating a typical placement scenario.

- Place the unit on a firm, level surface that can support its weight when the water bucket is full.
- Avoid placing the unit near heat sources, such as radiators or ovens, or in direct sunlight.
- Do not place the unit in an area where the temperature will fall below 41°F (5°C) or rise above 90°F (32°C).

3.3 Initial Setup

- Plug the power cord into a grounded 115V AC outlet.
- Ensure the water bucket is properly seated in the unit.

4. OPERATING INSTRUCTIONS

4.1 Control Panel

The control panel is located on the top of the unit and features an LED display and various buttons for operation.

(Note: A detailed diagram of the control panel with button functions would typically be included here.)

4.2 Power On/Off

- Press the **POWER** button to turn the unit on or off.

4.3 Setting Desired Humidity Level

- Press the **HUMIDITY +/-** buttons to set the desired humidity level between 35% and 85% relative humidity (RH) in 5% increments.
- The unit will operate until the set humidity level is reached, then cycle on and off to maintain it.

4.4 Fan Speed Selection

- Press the **FAN SPEED** button to cycle through High, Medium, and Low fan speeds.
- Higher fan speeds result in faster dehumidification.

4.5 Timer Function

- Press the **TIMER** button to set a delay for the unit to turn on or off (from 1 to 24 hours).
- Use the **+/-** buttons to adjust the desired time.

4.6 Continuous Operation Mode

- To operate the unit continuously regardless of humidity level, set the humidity level to "CO" (Continuous Operation).

5. DRAINING OPTIONS

The dehumidifier offers two primary methods for water removal: manual bucket draining and continuous draining.

5.1 Manual Draining (Water Bucket)

- When the water bucket is full, the unit will automatically shut off, and the "Full Bucket" indicator will illuminate.
- Carefully pull out the water bucket from the front of the unit.
- Empty the collected water.
- Slide the empty bucket back into the unit until it clicks into place. The unit will resume operation.



Figure 5.1: Dehumidifier with water tank capacity information.

This image displays the dehumidifier in a room setting, with text overlays indicating "50 PINTS PER DAY" and "15 pints tank capacity," illustrating the unit's water removal and storage capabilities.

5.2 Continuous Draining with Built-in Pump

This unit features a built-in pump for continuous upward draining, eliminating the need to manually empty the bucket.

- Locate the pump drain outlet on the back of the unit.
- Connect the provided drain hose to the pump drain outlet. Ensure a secure connection.
- Route the other end of the hose to a suitable drain location (e.g., sink, floor drain, or out a window) ensuring the hose is not kinked or blocked. The pump can lift water up to a certain height (refer to specifications for exact lift height).
- Once connected, the unit will automatically pump out collected water when the bucket is full.



Figure 5.2: Continuous draining setup.

This image shows a close-up of the continuous draining option, highlighting the built-in pump connection point on the dehumidifier, with text indicating "CONTINUOUS DRAINING OPTION With Built-In Pump for Continuous Upward Draining."

5.3 Gravity Draining (Optional, using garden hose)

For continuous gravity draining to a lower-level drain, a standard garden hose (not included) can be used.

- Locate the gravity drain outlet on the back of the unit (separate from the pump outlet).
- Remove the plastic cap from the gravity drain outlet.
- Thread a standard garden hose onto the outlet. Ensure a tight seal to prevent leaks.
- Route the hose downwards to a floor drain or suitable receptacle, ensuring there are no kinks or upward bends in the hose that would impede water flow.

6. MAINTENANCE

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

6.1 Cleaning the Air Filter

The "Check Filter" alert will illuminate after 250 hours of operation, reminding you to clean the filter. Clean the filter every two weeks or more often if necessary.

1. Turn off the unit and unplug it from the power outlet.
2. Remove the air 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 dishwasher or hot water.
5. Reinstall the filter.
6. Plug in the unit and press the "Filter" button (or corresponding button) to reset the filter timer.

6.2 Cleaning the Water Bucket

Clean the water bucket periodically to prevent mold and mildew growth.

- Remove the water bucket.
- Wash the bucket with warm water and a mild detergent.
- Rinse thoroughly and dry completely before placing it back into the unit.

6.3 Cleaning the Unit Exterior

- Wipe the exterior of the unit with a soft, damp cloth.
- Do not use harsh chemicals, abrasives, or solvents.

6.4 Storage

If storing the unit for an extended period:

- Empty the water bucket and ensure it is completely dry.
- 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.

7. TROUBLESHOOTING

Before contacting customer support, please refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power; Power cord not plugged in; Full bucket; Temperature too low/high.	Check power outlet; Plug in unit securely; Empty water bucket; Ensure room temperature is within operating range (41°F-90°F).
No water collected.	Humidity level set too high; Air filter clogged; Room temperature too low; Unit in fan-only mode.	Lower desired humidity setting; Clean air filter; Ensure room temperature is above 41°F; Select dehumidification mode.

Problem	Possible Cause	Solution
Unit runs constantly.	Humidity level set too low; Room size too large; Doors/windows open.	Increase desired humidity setting; Ensure unit is sized appropriately for the room; Close doors and windows.
Unit is noisy.	Unit not on level surface; Air filter clogged; Obstruction in fan.	Place on a level surface; Clean air filter; Check for and remove any obstructions.
Water leaks from unit.	Water bucket not properly seated; Drain hose not connected securely or kinked.	Re-seat water bucket; Check drain hose connections and ensure it is not kinked.

8. SPECIFICATIONS

Feature	Detail
Model Number	KYSTD50PAE
Dehumidification Capacity	50 Pints per Day
Water Tank Volume	15 Pints
Recommended Room Size	Up to 4500 Sq.Ft
Power Supply	115V
Wattage	505 watts
Product Dimensions (D x W x H)	11.4"D x 14.4"W x 24.1"H
Item Weight	46.5 Pounds
Number of Speeds	3 (High, Medium, Low)
Special Features	Automatic Shutoff, Built-In Pump, Washable Filter, 24-Hour Timer



Figure 8.1: Dimensions of the dehumidifier.

This image provides a visual representation of the dehumidifier's dimensions, showing its height (24.1 inches), width (14.4 inches), and depth (11.4 inches), along with its weight (46.5 lbs).

9. WARRANTY AND CUSTOMER SUPPORT

9.1 Warranty Information

This Keystone dehumidifier comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, alteration, or unauthorized repair.

Please retain your proof of purchase for warranty claims.

9.2 Customer Support

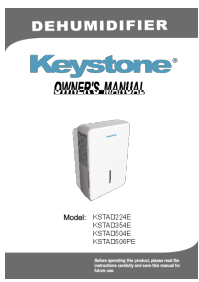

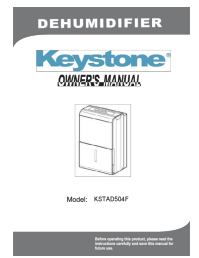

If you have any questions, require assistance, or need to make a warranty claim, please contact Keystone customer

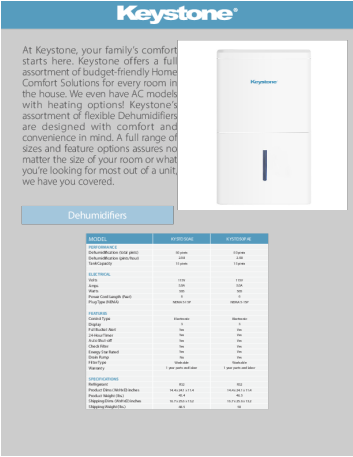
support. Refer to the contact information provided on the product packaging or the official Keystone website.

For more information, you may visit the official[Keystone Store on Amazon](#).

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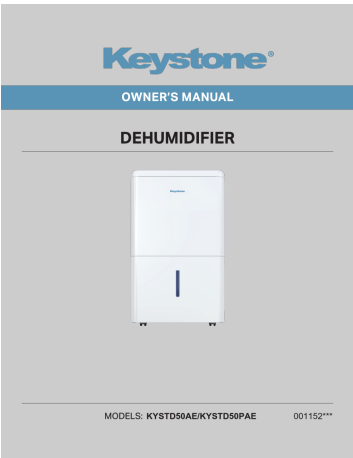
Related Documents

	<p>Keystone KSTAD Series Dehumidifier: Product Registration, Warranty, and Pump Operation</p> <p>Official product registration and warranty details for Keystone KSTAD series dehumidifiers, including model numbers KSTAD224E, KSTAD354E, KSTAD504E, and KSTAD506PE. Information on pump operation and customer service contact details.</p>
	<p>Keystone Portable Air Conditioner KSTAP05PHA & KSTAP07PHA Owner's Manual</p> <p>Comprehensive owner's manual for Keystone portable air conditioners, models KSTAP05PHA and KSTAP07PHA. Includes safety precautions, installation guides, operation instructions, maintenance tips, and troubleshooting.</p>
	<p>Keystone KSTAD504F Dehumidifier Owner's Manual</p> <p>Comprehensive owner's manual for the Keystone KSTAD504F dehumidifier, covering setup, operation, maintenance, and troubleshooting for optimal home humidity control.</p>
	<p>Keystone KSTAD354D Dehumidifier Owner's Manual</p> <p>Comprehensive owner's manual for the Keystone KSTAD354D dehumidifier, covering safety precautions, operation, maintenance, troubleshooting, and warranty information.</p>



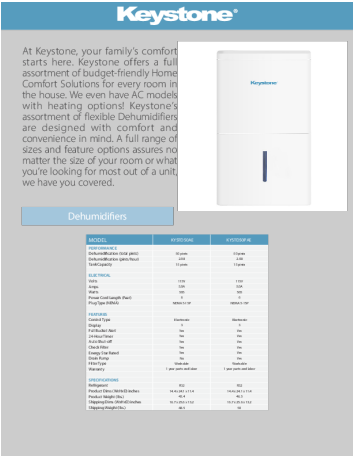
[pdf] Specifications Warranty Catalog

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[pdf] User Manual Warranty Catalog

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Dehumidifier Rebate List - Enervee

A comprehensive list of dehumidifiers eligible for rebates, including product IDs, brands, models, rebate amounts, and validity dates.

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Dehumidifier Rebate Information - Enervee

A comprehensive list of dehumidifier models eligible for rebates, including product IDs, brands, models, rebate amounts, and validity dates.

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Enervae Product Rebate List

A comprehensive list of Enervee products with associated rebate details, including product IDs, brands, models, rebate amounts, and validity periods.

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