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> Hisense 50 Pint Dehumidifier DH5023KP User Manual

Hisense DH5023KP

Hisense 50 Pint Dehumidifier User Manual

Model: DH5023KP

Brand: Hisense

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Hisense DH5023KP 50 Pint Dehumidifier. This appliance is designed to remove excess moisture from the air, helping to create a more comfortable and healthy indoor environment. It is particularly effective in areas up to 4500 sq. ft. and can operate in cool environments as low as 38°F, making it suitable for basements and garages. Please read this manual thoroughly before using the dehumidifier and retain it for future reference.



Figure 1.1: Front-side view of the Hisense DH5023KP Dehumidifier. This image shows the compact design and the Hisense branding on the front panel.

2. IMPORTANT SAFETY INFORMATION

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring instructions may cause harm or damage.

- **Electrical Safety:** Always plug the unit into a grounded 115V, 60Hz AC outlet. Do not use extension cords or adapter plugs. Do not operate the dehumidifier if the power cord or plug is damaged.
- **Placement:** Place the dehumidifier on a level, sturdy surface. Ensure there is at least 8 inches of space around the unit for

proper air circulation. Do not block air inlets or outlets.

- **Water Bucket:** Always ensure the water bucket is correctly installed before operation. Do not drink the collected water.
- **Children and Pets:** Keep children and pets away from the dehumidifier during operation. This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities unless they have been given supervision or instruction.
- **Maintenance:** Always unplug the dehumidifier before cleaning or performing any maintenance. Do not attempt to repair or modify the unit yourself. Refer all servicing to qualified personnel.
- **Operating Environment:** Do not use the dehumidifier in wet environments such as bathrooms or laundry rooms where it may come into contact with water. Do not use outdoors.

3. PRODUCT OVERVIEW

3.1 Components

Familiarize yourself with the main components of your dehumidifier:

- **Control Panel:** Located on the top of the unit, used to set and monitor operations.
- **Air Outlet:** Where dry air is expelled.
- **Air Inlet:** Where humid air is drawn in.
- **Water Bucket:** Collects condensed moisture. Features a slide-out design and easy-carry handle.
- **Continuous Drain Outlet:** For connecting a garden hose for continuous drainage.
- **Air Filter:** Washable and removable, located behind the air inlet grille.
- **Power Cord:** For electrical connection.



Figure 3.1: Top view of the dehumidifier, highlighting the control panel and the air outlet grille.



Figure 3.2: Rear view of the dehumidifier, showing the air inlet grille and the power cord storage.

3.2 Control Panel

The control panel allows you to manage all functions of the dehumidifier. Refer to the image below for button identification and their functions.

Model #	DH5023KP
Performance	
Dehumidification(Pints/ 24 hours)	50 pints
IEF (65 °F)	1.8
Coverage	Up to 4500 sq ft
Refrigerant	R-410A
Noise Level in dB	45-48 dB
Electrical	
Voltage / Freq / Amps	115V/ 60Hz/ 4.9A
General Features	
Unit Control Type	Electronic
Fan Control	Button
Adj. Humidity Control	YES
Display Type	YES
Continuous Run	YES
Auto Dry	YES
Manual Setting	30% - 80%
Timer-Clock	YES
Fan Speeds	3 Speeds (Lo, Hi, Auto)
Pump Mode	YES
Refrigeration Compartment	
Auto Bucket Shutoff	YES
Garden Hose Connection	Standard Garden Hose
Washable Filters	Yes, Easy Access
Max Pump Discharge Height	16 feet (head)
Accessories	
Quick Connect Hose	Yes, included (9mm dia.)
Approvals	
Safety	UL
Energy Star	YES

Product Dimensions	
Unit Dimension WxDxH (mm)	384 X 272 X 629
Net Weight (Kg)	18.9
Unit Dimension W x D x H (inch)	15.1 X 10.7 X 24.8
Net Weight (lbs)	41.7
Product	
Parts & Labor	2 years
UPC	819130029139

Note:

Product Images

Control Panel



Draining hose with Quick Connector (included)

Bucket conveniently located on front with handle for easy emptying



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Figure 3.3: Detailed view of the control panel. It features a digital display, mode indicators, fan speed settings, timer, power button, clean filter indicator, and pump button.

- **Display:** Shows current humidity level, timer settings, and error codes.
- **Power Button:** Turns the unit on or off.
- **Mode Button:** Cycles through operating modes: Auto Dry, Continuous, Manual Set.
- **Fan Button:** Adjusts fan speed: Low, High, Auto.
- **Timer Button:** Sets the auto-on or auto-off timer.
- **Clean Filter Indicator:** Illuminates when the filter needs cleaning.
- **Pump Button:** Activates the internal pump for continuous drainage (if applicable).
- **Humidity Up/Down Buttons (+/-):** Adjusts the desired humidity level in Manual Set mode.

4. SETUP

4.1 Unpacking

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

4.2 Placement

Proper placement is crucial for efficient operation:

- Place the dehumidifier on a firm, level surface 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.
- Do not place the unit near heat-generating appliances or in direct sunlight.
- For optimal performance, close all doors and windows in the room where the dehumidifier is operating.
- The unit dimensions are approximately 10.7"D x 15.1"W x 24.8"H. Consider these dimensions when choosing a location.

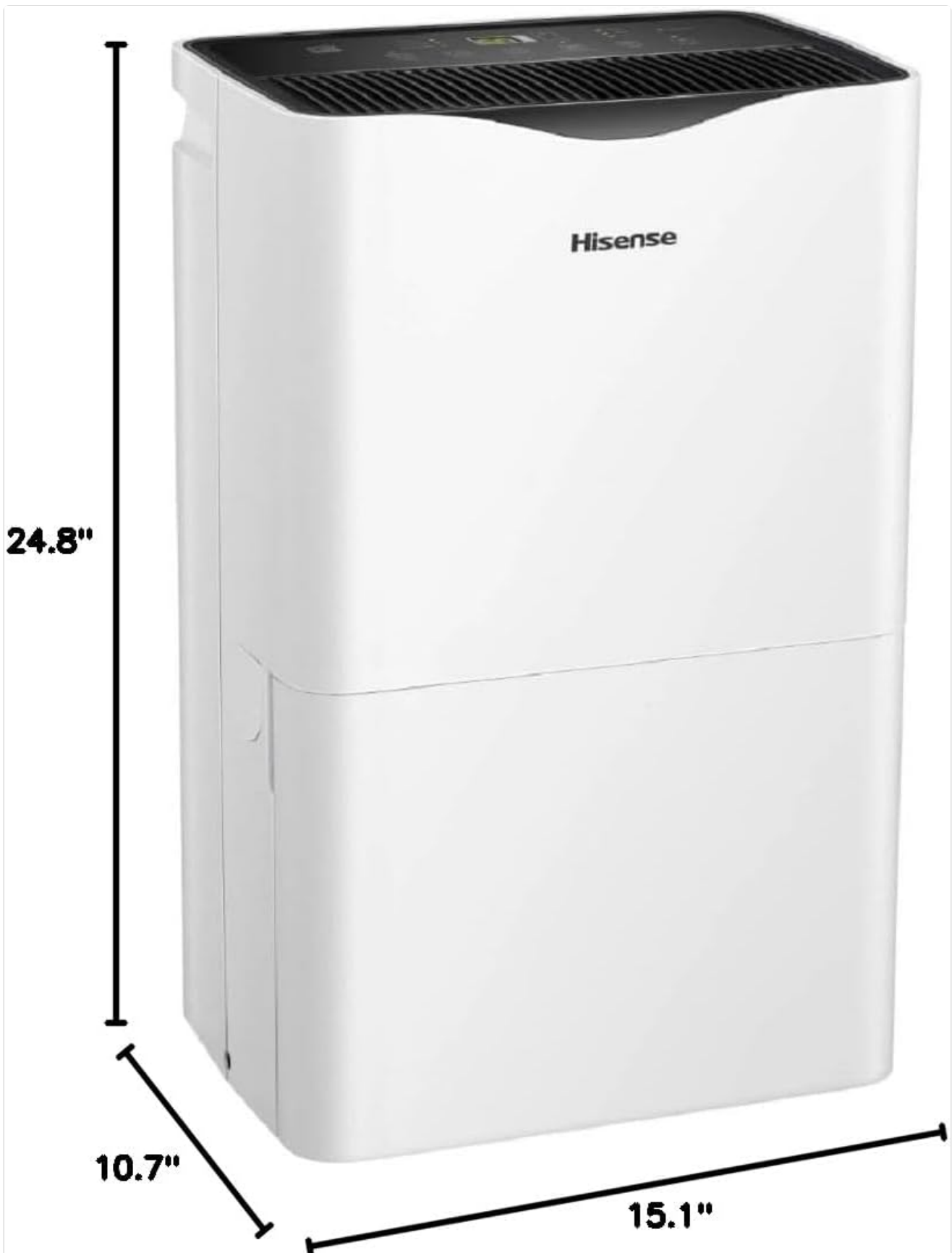


Figure 4.1: Dehumidifier dimensions: 10.7 inches deep, 15.1 inches wide, and 24.8 inches high.

4.3 Initial Setup

1. Ensure the water bucket is correctly seated in the unit.
2. Plug the power cord into a grounded 115V, 60Hz AC outlet.
3. The unit will beep once, and the display will show the current room humidity.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the **POWER** button to turn the dehumidifier on or off.

5.2 Setting Desired Humidity Level (Manual Set Mode)

1. Press the **MODE** button until "Manual Set" is selected.
2. Use the **+** or **-** buttons to set the desired humidity level between 30% and 80% relative humidity (RH) in 5% increments.
3. The unit will operate until the set humidity level is reached, then cycle on and off to maintain it.

5.3 Operating Modes

Press the **MODE** button to cycle through the following modes:

- **Auto Dry:** The unit automatically sets the humidity level to 50% RH and adjusts fan speed.
- **Continuous:** The unit operates continuously regardless of the humidity level. Ideal for very damp conditions or for drying clothes.
- **Manual Set:** Allows you to manually set the desired humidity level (as described in 5.2).

5.4 Fan Speed

Press the **FAN** button to select the desired fan speed:

- **Low:** Quieter operation, suitable for maintaining humidity.
- **High:** Maximum moisture removal, faster drying.
- **Auto:** Fan speed adjusts automatically based on the humidity level.

5.5 Timer Function

The timer function allows you to set the unit to automatically turn on or off after a set period (1-24 hours).

- **Auto-Off:** While the unit is running, press the **TIMER** button. Use **+** or **-** to set the desired off-time.
- **Auto-On:** While the unit is off, press the **TIMER** button. Use **+** or **-** to set the desired on-time.

5.6 Continuous Drainage

For continuous operation without emptying the bucket, you can connect a standard garden hose (not included) to the continuous drain outlet.

1. Ensure the unit is off and unplugged.
2. Locate the continuous drain outlet on the back of the unit.
3. Remove the plastic cap (if present).
4. Thread a standard garden hose onto the outlet. Ensure a tight connection to prevent leaks.
5. Direct the other end of the hose to a floor drain or suitable receptacle, ensuring the hose is sloped downwards to allow gravity drainage.
6. If your model has a pump function, press the **PUMP** button to activate it for upward drainage.



Figure 5.1: The continuous drain outlet, designed for connection with a standard garden hose for uninterrupted operation.

5.7 Emptying the Water Bucket

When the water bucket is full, the unit will automatically shut off, and the "Bucket Full" indicator will illuminate. To empty:

1. Gently pull the water bucket out from the front of the unit using the easy-carry handle.
2. Carefully carry the bucket to a sink or drain.
3. Pour out the collected water.
4. Slide the empty bucket back into the dehumidifier until it clicks into place. The unit will resume operation.



Figure 5.2: The slide-out water bucket with its easy-carry handle, making it convenient to remove and empty.

6. MAINTENANCE

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

6.1 Cleaning the Air Filter

The "Clean Filter" indicator light will illuminate after approximately 250 hours of operation. Clean the filter regularly to prevent reduced airflow and efficiency.

1. Turn off the dehumidifier and unplug it from the power outlet.

2. Locate the air filter behind the air inlet grille (typically on the back or side).
3. Gently pull out the filter.
4. Wash the filter with warm, soapy water. Rinse thoroughly.
5. Allow the filter to air dry completely before reinserting it. Do not use a dryer or direct heat.
6. Once the filter is reinserted, plug in the unit and press the **CLEAN FILTER** button for 3 seconds to reset the filter timer.

6.2 Cleaning the Dehumidifier Body

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

6.3 Storage

If you plan to store the dehumidifier for an extended period:

1. Empty the water bucket and ensure it is completely dry.
2. Clean the air filter.
3. Disconnect any continuous drain hose.
4. Wrap the power cord neatly.
5. 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 supply. Power cord not plugged in. Circuit breaker tripped.	Ensure unit is plugged into a live outlet. Check household fuse/circuit breaker.
Unit runs but does not dehumidify.	Air filter is dirty. Room temperature is too low. Humidity setting is too high. Doors/windows are open.	Clean the air filter. Unit operates best above 41°F (5°C). Lower the desired humidity setting. Close all doors and windows.
"Bucket Full" light is on, but bucket is not full.	Bucket is not properly seated. Float switch is stuck.	Remove and reinsert the bucket firmly. Check the float switch for obstructions.
Unit is noisy.	Unit is not on a level surface. Air filter is dirty.	Place unit on a flat, stable surface. Clean the air filter.
Water leaking from the unit.	Continuous drain hose is loose or clogged. Water bucket is cracked or improperly installed.	Check hose connection and ensure it's not kinked. Inspect bucket for damage and ensure it's seated correctly.

8. SPECIFICATIONS

Key technical specifications for the Hisense DH5023KP Dehumidifier:

Feature	Detail
Model Name	DH5023KP

Feature	Detail
Dehumidification Capacity	50 Pints per Day (at 65°F, 60% RH)
Coverage Area	Up to 4500 sq ft (300 sq ft for 50 pint rating)
Operating Temperature	Effective in rooms as cool as 38°F
Product Dimensions (DxWxH)	10.7"D x 15.1"W x 24.8"H
Item Weight	40 Pounds
Tank Volume	50 Pints (bucket capacity not specified, but unit is 50 pint rated)
Number of Speeds	3 (Lo, Hi, Auto)
Noise Level	Quiet 48 dB (typical operation)
Voltage / Frequency	115V / 60Hz
Material	Plastic
Special Features	Energy Efficient, Low-temperature Operation (38°F), Quiet Operation, Slide-out Bucket with Easy-carry Handle, Washable/Removable Filter, Auto Shut-off, Continuous Drain Option

9. WARRANTY AND SUPPORT

This Hisense dehumidifier is designed for reliable performance. While specific warranty details are not provided in this manual, please refer to the warranty card included with your product or visit the official Hisense website for detailed warranty information and registration.

For technical assistance, troubleshooting beyond this manual, or to inquire about parts and service, please contact Hisense customer support. Keep your purchase receipt and model number (DH5023KP) readily available when contacting support.

Included Components: User Manual