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Hisense DH5020K

Hisense DH5020K Dehumidifier User Manual

35-Pint Capacity, 3000 sq. ft. coverage, 3-Speed Dehumidifier

1. INTRODUCTION

This user manual provides detailed instructions for the safe and efficient operation, maintenance, and troubleshooting of your Hisense DH5020K Dehumidifier. Please read this manual thoroughly before using the appliance and retain it for future reference.

The Hisense DH5020K is designed to remove excess moisture from the air, helping to prevent mold, mildew, and other humidity-related issues in spaces up to 3000 square feet. It features a 35-pint per day dehumidification capacity, three fan speeds, and multiple operating modes for optimal comfort.

2. SAFETY INFORMATION

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

- Read all instructions before using the dehumidifier.
- Ensure the power supply matches the voltage requirements specified on the unit's rating label.
- Do not operate the dehumidifier with a damaged cord or plug.
- Do not block air inlets or outlets. Maintain at least 8 inches (20 cm) of clearance around the unit.
- Do not use the appliance in wet areas such as bathrooms or laundry rooms where it may come into contact with water.
- Always unplug the unit before cleaning or performing any maintenance.
- Keep children and pets away from the unit during operation.
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel for repairs.

3. PRODUCT FEATURES

The Hisense DH5020K Dehumidifier is equipped with several features designed for efficient and convenient moisture removal:

- **35-Pint Capacity:** Removes up to 35 pints of moisture per day.
- **Coverage Area:** Effective for spaces up to 3000 square feet.
- **3-Speed Fan:** Offers Low, Medium, and High fan speeds for customized dehumidification.

- **Adjustable Humidistat:** Allows setting the desired humidity level.
- **Multiple Operating Modes:** Includes Manual, Continuous, and Auto-Dry modes.
- **24-Hour On/Off Timer:** Program the unit to turn on or off automatically.
- **Full-Tank Alert & Auto Shut-off:** The unit stops operating and alerts you when the water bucket is full.
- **Low Sound Level:** Designed for quiet operation.
- **Washable Filter:** Easy-to-clean air filter for improved air quality and unit efficiency.
- **Continuous Drain Option:** Allows for direct drainage using a garden hose (not included).



Figure 3.1: Angled view of the Hisense DH5020K Dehumidifier, showing the top control panel and side handles.

4. SETUP AND INSTALLATION

4.1 Unpacking

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

4.2 Placement

For optimal performance, place the dehumidifier in a central location within the area requiring dehumidification. Ensure proper air circulation around the unit.

- Place the unit on a firm, level surface that can support its weight when the water bucket is full.
- Maintain at least 8 inches (20 cm) of clearance from walls, furniture, or other objects to allow for proper airflow.

- Do not place the unit near heat sources or in direct sunlight.
- Ensure the room temperature is within the operating range (38°F - 90°F / 3°C - 32°C).



Figure 4.1: Front view of the Hisense DH5020K Dehumidifier, showing its compact design and integrated casters for easy movement.

4.3 Power Connection

Plug the power cord into a grounded 115V AC, 60Hz electrical outlet. Do not use extension cords or adapter plugs.

4.4 Water Drainage Options

The Hisense DH5020K offers two methods for water removal:

4.4.1 Manual Drainage (Water Bucket)

The dehumidifier collects water in an internal bucket. When the bucket is full, the unit will automatically shut off and illuminate the "Bucket Full" indicator. Carefully remove the bucket and empty the collected water. Reinsert the bucket firmly to resume operation.

4.4.2 Continuous Drainage

For continuous operation without emptying the bucket, you can connect a standard garden hose (not included) to the continuous drain port on the side of the unit. Ensure the hose is sloped downwards to allow gravity drainage to a floor drain or suitable receptacle.



Figure 4.2: Side view of the Hisense DH5020K Dehumidifier, highlighting the continuous drain port for hose connection.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview

TECHNICAL SPECIFICATIONS

Performance	
Model #	DH5020K
Dehumidification (Pints/24 hours)	35*
Heating Capacity	N/A
Coverage	Up to 1000 sq ft
Refrigerant	R-410A
Noise Level in dB(A)	47-49 dB(A)
Electrical	
Voltage / Freq / Amps	115V / 60Hz / 3.4A
General Features	
Unit Control Type	Electronic
Fan Control	Button
Adj. Humidity Control	Yes
Display Type	LED
Continuous Run	Yes
Auto Dry	Yes
Manual Setting	30% - 80%
Timer-Clock	Yes
Fan Speeds	3 Speeds (HIGH AUTO LOW)
Pump Mode	No
Refrigeration Compartment	
Auto Bucket Shutoff	Yes
Bucket Capacity	11.4 pints
Bucket Shutoff Capacity	9.1 pints
Garden Hose Connection	Yes - garden hose not included
Washable Filters	Yes
Max Pump Discharge Height	N/A
Accessories	
Quick Connect Hose	No
Approvals	
Safety	UL
Energy	Energy Star
Shipping	
Unit Dimension WxDxH (mm)	356 x 273 x 507
Carton Dimension WxDxH (mm)	405 x 335 x 535
Net Weight /Gross Weight (kg)	15.5 / 17.4

Unit Dimension WxDxH (inch)	14 x 10.7 x 20.0
Carton Dimension WxDxH (inch)	15.9 x 13.2 x 21.1
Net Weight /Gross Weight t (lbs)	34.1 / 38.3
Loading (40HQJ)	1020
Loading (53')	1008 (floor loaded)
Warranty/UPC	
Parts & Labor	2 Years
UPC	819130027081

Note:

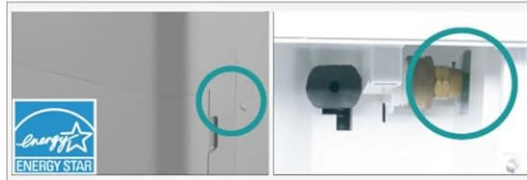
*: New DOE test procedure, equivalent to previous 50 Pints:

Product Images

Control Panel



Gravity draining with garden hose (not included)



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Figure 5.1: Diagram showing the control panel of the Hisense DH5020K Dehumidifier with various buttons and indicators. The control panel features an LED display and several buttons for controlling the dehumidifier's functions:

- **Power Button:** Turns the unit on or off.
- **Humidity Control Buttons (Up/Down Arrows):** Adjusts the desired humidity level.
- **Fan Speed Button:** Cycles through Low, Medium, and High fan speeds.
- **Mode Button:** Selects operating modes (Manual, Continuous, Auto-Dry).
- **Timer Button:** Sets the 24-hour on/off timer.
- **Display:** Shows current humidity, set humidity, or timer settings.
- **Indicators:** Lights for Bucket Full, Defrost, and Filter Clean.

5.2 Basic Operation

1. **Power On:** Press the Power button to turn on the unit. The display will show the current room humidity.

2. **Set Desired Humidity:** Use the Up/Down arrow buttons to set your desired humidity level (e.g., 40% - 60% relative humidity is generally recommended for comfort). The unit will operate until the set humidity is reached, then cycle on and off to maintain it.
3. **Select Fan Speed:** Press the Fan Speed button to choose between Low, Medium, or High fan speeds. Higher speeds provide faster dehumidification.
4. **Select Mode:** Press the Mode button to cycle through:
 - **Manual:** Operates based on the set humidity level and fan speed.
 - **Continuous:** Runs continuously regardless of humidity level, ideal for very damp conditions.
 - **Auto-Dry:** Automatically adjusts operation to maintain a comfortable humidity level.
5. **Timer Function:** Press the Timer button to set a delay for the unit to turn on or off (from 1 to 24 hours).
6. **Power Off:** Press the Power button again to turn off the unit.

6. MAINTENANCE

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

6.1 Cleaning the Air Filter

The air filter should be cleaned every two weeks or when the "Filter Clean" indicator illuminates.

1. Turn off the dehumidifier and unplug it from the power outlet.
2. Locate the air filter, typically on the back or side of the unit.
3. Remove the filter by sliding it out.
4. Wash the filter with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinstalling. Do not use a dishwasher.
5. Reinsert the dry filter into the unit.
6. Plug in the unit and press the Filter button (if available) or Power button to reset the filter indicator.

6.2 Cleaning the Water Bucket

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

1. Turn off and unplug the unit.
2. Remove the water bucket.
3. Wash the bucket with warm water and a mild detergent. Rinse thoroughly.
4. Dry the bucket completely before placing it back into the dehumidifier.

6.3 Unit Exterior Cleaning

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

6.4 Storage

If storing the dehumidifier for an extended period:

- Empty and clean the water bucket.
- Clean the air filter.
- Allow the unit to dry for at least 24 hours in a well-ventilated area.
- Store the unit upright in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Before contacting customer service, please refer to the following troubleshooting guide for common issues.

Problem	Possible Cause	Solution
Dehumidifier does not operate.	No power; Water bucket full or not properly inserted; Room temperature too low.	Check power connection; Empty and reinsert bucket correctly; Ensure room temperature is above 38°F (3°C).
Unit runs but does not dehumidify.	Air filter clogged; Air inlet/outlet blocked; Humidity setting too high.	Clean the air filter; Ensure proper clearance around the unit; Lower the desired humidity setting.
"Bucket Full" indicator is on, but bucket is not full.	Bucket not seated correctly; Float switch malfunction.	Remove and firmly reinsert the water bucket; If issue persists, contact customer service.
Unit is noisy.	Unit not on a level surface; Air filter clogged.	Place unit on a flat, stable surface; Clean the air filter.
Frost appears on coils.	Room temperature too low.	The unit has an auto-defrost function. If frost persists, increase room temperature or contact service.

8. SPECIFICATIONS

Specification	Value
Brand	Hisense
Model Name	DH5020K
Capacity	35 Pints per Day
Coverage Area	Up to 3000 Square Feet
Number of Speeds	3
Color	White
Material	Polypropylene (PP)
Item Weight	34.1 Pounds
Package Dimensions	21 x 15.5 x 13 inches
Power Supply	115V / 60Hz
Special Features	Timer, Automatic Shutoff, Adjustable Humidistat
Operation Mode	Manual, Continuous, Auto-Dry
UPC	819130027081

9. WARRANTY AND SUPPORT

Hisense products are manufactured to high-quality standards and are backed by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Hisense website.

If you require technical assistance, have questions about your dehumidifier, or need to arrange for service, please contact Hisense Customer Support. Have your model number (DH5020K) and serial number ready when contacting support.

Hisense Customer Support:

Website: www.hisense-usa.com

Phone: Refer to Hisense-USA website for current contact numbers.

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Model: DH5020K