## Danby DDR050BJP2WDB

# Danby DDR050BJP2WDB 50 Pint Dehumidifier User Manual

Model: DDR050BJP2WDB

**Introduction**     **Safety**     **Overview**     **Setup**     **Operation**     **Maintenance**     **Troubleshooting**

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## 1. INTRODUCTION

Thank you for choosing the Danby DDR050BJP2WDB 50 Pint Dehumidifier. This appliance is designed to effectively control humidity levels in your home, creating a more comfortable and healthier environment. It removes up to 23.6 liters (50 pints) of moisture per day, suitable for areas up to 3,000 square feet.

This manual provides important information regarding the installation, operation, and maintenance of your dehumidifier. Please read it thoroughly before use and retain it for future reference.

## 2. IMPORTANT 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 appliance.
- Ensure the power supply matches the voltage requirements specified on the rating label.
- Do not operate the dehumidifier with a damaged cord or plug.
- Keep the appliance away from heat sources and direct sunlight.
- Do not block air inlets or outlets.
- Always unplug the unit before cleaning or performing any maintenance.
- This appliance is for residential use only.

**WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.**

# 3. Product Overview and Features

The Danby DDR050BJP2WDB dehumidifier is designed for efficient and convenient humidity control. Key features include:

- **50 Pint (23.6 L) Capacity:** Effectively removes moisture from spaces up to 3,000 sq. ft.
- **Electronic Controls with LED Display:** For easy operation and monitoring.
- **Smart Dehumidify:** Automatically adjusts humidity based on ambient temperature.
- **Vertical Pump:** Allows for continuous drainage into a sink or drain.
- **Direct Drain Feature:** Enables continuous operation without emptying the bucket.
- **Auto Restart:** Unit resumes operation after a power failure.
- **Auto De-icer:** Prevents frost build-up on coils.
- **24-Hour Timer:** Schedule operation to save energy.
- **Low Temp Function:** Operates efficiently in temperatures as low as 5°C (41°F).
- **Washable Filter:** Reusable filter for easy maintenance.
- **4 Castors:** For simple room-to-room transport.
- **Energy Star® Certified:** Ensures economical operation.

*Figure 1: Front view of the Danby DDR050BJP2WDB 50 Pint Dehumidifier. The unit is white with the Danby logo at the top and an Energy Star label at the bottom right.*

*Figure 2: Angled front view of the dehumidifier, showing the side air intake grille and the overall compact design.*

*Figure 3: Side view of the dehumidifier, highlighting the air exhaust and intake vents.*

# 4. SETUP INSTRUCTIONS

## 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, contact your retailer immediately.

## 4.2 Placement

- Place the dehumidifier on a level, stable surface.
- Ensure there is at least 8 inches (20 cm) of space around the unit for proper air circulation. Do not block air inlets or outlets.
- Avoid placing the unit near heat-generating appliances or in direct sunlight.
- The unit is equipped with 4 castors for easy movement.

## 4.3 Drainage Options

Your dehumidifier offers multiple drainage methods:

1. **Manual Drainage (Bucket):** The unit collects water in an internal bucket. When full, the unit will stop operating and an indicator light will illuminate. You must manually empty the bucket.



*Figure 4: A hand opening the front panel to access the water collection bucket.*

*Figure 5: A hand removing the water collection bucket from the dehumidifier for emptying.*

2. **Continuous Drainage (Gravity):** For continuous operation without emptying the bucket, attach a standard garden hose (not included) to the direct drain port on the back of the unit. Ensure the hose is sloped downwards to a floor drain or suitable receptacle.

3. **Vertical Pump Drainage:** The unit includes a built-in vertical pump. Connect the provided drain hose to the pump outlet and route it to a sink, drain, or other elevated location. This allows for continuous drainage even if the drain point is above the unit.

## 4.4 Power Connection

Plug the power cord into a grounded electrical outlet. Do not use extension cords or adapter plugs.

# 5. OPERATING INSTRUCTIONS

## 5.1 Control Panel

The dehumidifier features electronic controls with an LED display for easy operation.

*Figure 6: Close-up of the control panel, showing various buttons and the digital LED display.*



*Figure 7: Top view of the control panel, providing a clear layout of the buttons and indicators.*

Familiarize yourself with the buttons:

- **Power Button:** Turns the unit on or off.
- **Humidity Setting Buttons (Up/Down Arrows):** Adjusts the desired humidity level.
- **Fan Speed Button:** Cycles through available fan speeds (e.g., Low, High).
- **Timer Button:** Sets the 24-hour timer for delayed start or stop.
- **Mode Button:** Selects operating modes (e.g., Smart Dehumidify, Continuous).

## 5.2 Setting Desired Humidity

Press the humidity setting buttons to select your desired relative humidity level. The unit will operate until the room humidity reaches this set point, then cycle on and off to maintain it.

## 5.3 Smart Dehumidify Mode

Activate Smart Dehumidify mode for automatic humidity control. The unit will intelligently adjust its operation based on the ambient room temperature to optimize comfort and energy efficiency.

## 5.4 Timer Function

Use the 24-hour timer to program the unit to turn on or off automatically after a set period, helping to save energy.

## 5.5 Auto Restart and Auto De-icer

- **Auto Restart:** In case of a power outage, the unit will automatically restart with its previous settings once power is restored.
- **Auto De-icer:** The unit is equipped with an auto de-icer function that prevents frost from building up on the evaporator coils, ensuring efficient operation in cooler environments.

# 6. MAINTENANCE

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

## 6.1 Cleaning the Air Filter

The reusable and washable air filter should be cleaned regularly (e.g., every two weeks or as needed) to maintain efficiency.

1. Turn off and unplug the dehumidifier.
2. Locate and remove the air filter (typically on the back or side of the unit).
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinstalling.
5. Do not operate the dehumidifier without the filter.

*Figure 8: Close-up view of the removable air filter grille, located on the side of the dehumidifier.*

## 6.2 Cleaning the Water Bucket

If using manual drainage, periodically clean the water bucket to prevent mold and mildew growth.

- Remove the bucket from the unit.
- Wash with warm water and a mild detergent.
- Rinse thoroughly and dry before replacing.

## 6.3 Exterior Cleaning

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

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## 7. TROUBLESHOOTING GUIDE

Before contacting customer service, please refer to the following common issues and solutions:

| Problem | Possible Cause | Solution |
| --- | --- | --- |
| Dehumidifier does not turn on. | No power; power cord unplugged; bucket full or not properly seated. | Check power connection; empty and re-seat bucket. |
| Unit runs but does not dehumidify. | Air filter clogged; room temperature too low; humidity setting too high. | Clean air filter; ensure room temperature is above 5°C; lower humidity setting. |

| Problem | Possible Cause | Solution |
|---|---|---|
| Water leaks from the unit. | Bucket not properly installed; continuous drain hose loose or clogged. | Re-seat bucket; check hose connections and clear any blockages. |
| Unit is noisy. | Unit not on a level surface; fan obstruction. | Place on a level surface; check for obstructions in fan area. |

# 8. PRODUCT SPECIFICATIONS

| Feature | Detail |
|---|---|
| Brand | Danby |
| Model Name | 50 Pint Dehumidifier |
| Item Model Number | DDR050BJP2WDB |
| Dehumidification Capacity | 50 Pints (23.6 Liters) per Day |
| Recommended Floor Area | Up to 3,000 Square Feet |
| Tank Volume | 6 Liters |
| Product Dimensions (D x W x H) | 11.81"D x 16.14"W x 24.25"H |
| Item Weight | 42.8 Pounds |
| Color | White |
| Number of Speeds | 2 |
| Operation Mode | Continuous |
| Refrigerant | R32 |
| Special Features | 4 castors, Washable Filter, Electronic controls with LED display, Smart Dehumidify, Vertical Pump, Direct Drain, Auto Restart, Auto De-icer, 24-hour Timer, Low Temp Function |
| Included Components | Dehumidifier, Castors, Owner Manual |
| UPC | 067638033114 |

*Figure 9: Dimensional diagram of the Danby DDR050BJP2WDB dehumidifier, indicating height (24.25"), width (16.14"), and depth (11.81").*

# 9. WARRANTY AND CUSTOMER SUPPORT

## 9.1 Warranty Information

Danby products are backed by a manufacturer's warranty. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official Danby website. Keep your proof of purchase for warranty claims.

*Note: Protection plans are available for purchase separately and are not part of the standard manufacturer's*

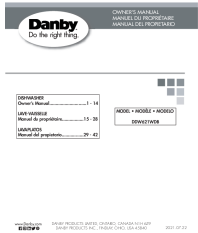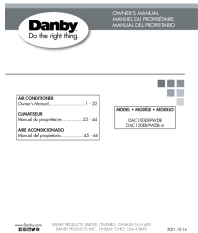*warranty.*

## 9.2 Customer Support
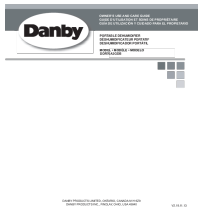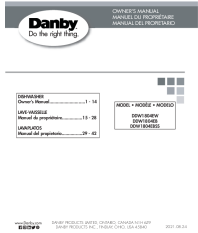
If you have any questions, require technical assistance, or need to report an issue, please contact Danby Customer Service:

- **Website:** Visit the official Danby website for support resources, FAQs, and contact information.
- **Phone:** Refer to your product documentation for the customer service phone number in your region.
- **Online Support:** Many issues can be resolved by visiting the Danby support page online.

When contacting support, please have your model number (DDR050BJP2WDB) and serial number ready.

## Related Documents - DDR050BJP2WDB



[Danby DDR70A3GDB Portable Dehumidifier Owner's Use and Care Guide](#)
This guide provides comprehensive instructions for the Danby DDR70A3GDB portable dehumidifier, covering setup, operation, safety precautions, maintenance, troubleshooting, and warranty information.



[Danby DDW1804EW/EB/EBSS Dishwasher Owner's Manual](#)
This owner's manual provides essential information for installing, operating, and maintaining your Danby DDW1804EW, DDW1804EB, or DDW1804EBSS dishwasher. It includes safety instructions, troubleshooting tips, and care guidelines.



[Danby DDW621WDB Dishwasher: Official Owner's Manual & Guide](#)
Get the most out of your Danby DDW621WDB dishwasher with this official owner's manual. Find detailed instructions on installation, operation, safety, maintenance, and troubleshooting for your Danby appliance.



[Danby Air Conditioner Owner's Manual](#)
This owner's manual provides essential information for the safe installation, operation, and maintenance of Danby air conditioners, including models DAC100EB9WDB and DAC120EB9WDB-6. Learn how to maximize the reliability and longevity of your Danby appliance.