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› BLACK+DECKER 50-Pint Portable Dehumidifier User Manual

BLACK+DECKER BD50PMWSA

BLACK+DECKER 50-Pint Portable Dehumidifier User Manual

MODEL: BD50PMWSA

1. Important Safety Information

Please read all instructions carefully before operating this dehumidifier. Failure to follow these instructions may result in electric shock, fire, or serious personal injury.

- This appliance is for indoor residential use only.
- Always plug the unit into a grounded 3-prong outlet. Do not remove the grounding prong.
- Do not operate the unit with a damaged cord or plug.
- Keep children and pets away from the unit.
- Ensure the unit is placed on a level, stable surface to prevent tipping.
- Do not block air inlets or outlets. Maintain at least 8 inches of clearance around the unit.
- Unplug the unit before cleaning or performing any maintenance.
- **WARNING:** This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2. Product Overview

The BLACK+DECKER 50-Pint Portable Dehumidifier is designed to efficiently remove excess moisture from your home or large spaces, improving air quality and comfort. It features a built-in pump for continuous drainage, an adjustable humidistat, and easy-to-use controls.



Figure 2.1: Front view of the BLACK+DECKER 50-Pint Portable Dehumidifier, highlighting its compact design and the 'Built-in Pump' and 'ENERGY STAR' labels.

Extracts up to 50 pints

Powerful dehumidification

2012 DOE STANDARDS

4,500
sq ft



Figure 2.2: Diagram illustrating the dehumidifier's powerful airflow and its capacity to extract up to 50 pints of moisture, covering areas up to 4500 sq. ft. (2012 DOE standards).

Electronic Control Panel

with adjustable humidistat

(relative humidity from 35-85%)



Figure 2.3: Close-up of the top-mounted electronic control panel with an LED digital display, showing controls for timer, mode, fan speed, and pump.

Overflow Protection + Audible Alert

Auto shut off when water tank is full



Figure 2.4: Image showing the dehumidifier's 12.68-pint water collection bucket and the overall dimensions (18.8"W x 9.92"D x 20"H), emphasizing overflow protection and audible alert features.

3. Setup and Installation

3.1 Unpacking

Carefully remove the dehumidifier from its packaging. Inspect the unit for any shipping damage. Retain the

packaging for future storage or transport.

3.2 Placement

Place the dehumidifier in an area where the humidity is highest. Ensure the unit is on a firm, level surface. For optimal performance, close all doors and windows in the room where the unit is operating.



Figure 3.1: Illustration of the dehumidifier's easy-to-use design, featuring a side-mounted bucket, recessed handles, and smooth-rolling casters for convenient movement.

3.3 Power Connection

Plug the power cord into a grounded 120V AC, 60Hz electrical outlet. The unit is designed for standard household electrical systems.

3.4 Drainage Options

The dehumidifier offers two drainage methods:

1. **Manual Drainage (Bucket):** The unit will collect water in its internal 12.68-pint bucket. When the bucket is full, the unit will automatically shut off, an indicator light will illuminate, and an audible alert will sound. Empty the bucket and reinsert it to resume operation.
2. **Continuous Drainage (Built-in Pump):** For continuous operation without manual emptying, connect the included 16 ft pump hose to the pump drain port on the back of the unit. Route the hose to a suitable drain location (e.g., sink, floor drain, or out a window). The built-in pump will automatically discharge collected water.
3. **Continuous Gravity Feed (Optional):** A 1.64 ft gravity feed drain hose is also included for continuous drainage to a lower-level drain. This method does not use the internal pump.

Built-in Pump for Continuous Drainage

includes 16 ft pump drain hose



Figure 3.2: The dehumidifier connected to a sink via its 16 ft pump drain hose, demonstrating the continuous drainage capability with the built-in pump.

4. Operating Instructions

4.1 Control Panel Functions

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

operation.

- **Power Button:** Turns the unit On or Off.
- **Mode Button:** Cycles through different operating modes (e.g., Continuous, Comfort, Manual Set).
- **Timer Button:** Sets the 24-hour on/off timer.
- **Fan Speed Button:** Adjusts the fan speed (High/Low).
- **Humidity Adjustment Buttons (Up/Down Arrows):** Used to set the desired humidity level (adjustable humidistat).
- **Pump Button:** Activates or deactivates the built-in pump for continuous drainage.
- **Filter Reset Button:** Press and hold to reset the filter indicator after cleaning.

4.2 Setting Desired Humidity

Press the humidity adjustment buttons (up/down arrows) to set your desired relative humidity level. The unit will operate until the set humidity is reached, then cycle on and off to maintain it.

4.3 Timer Function

The 24-hour timer allows you to program the unit to turn on or off automatically. Refer to the detailed instructions in the full user manual for specific timer programming steps.

4.4 Quiet Operation

The dehumidifier operates at approximately 51 dB, providing effective moisture removal with minimal noise disruption, suitable for various living spaces.

5. Maintenance and Cleaning

Regular maintenance ensures optimal performance and longevity of your dehumidifier.

5.1 Emptying the Water Bucket

When the water bucket is full, the unit will stop operating and alert you. Carefully pull out the bucket using the recessed handles, empty the collected water, and slide the bucket back into place until it clicks securely.

5.2 Cleaning the Washable Filter

The dehumidifier is equipped with a washable mesh filter located at the rear of the unit. It is recommended to clean the filter every two weeks or more frequently depending on usage and air quality.

1. Turn off and unplug the dehumidifier.
2. Gently pull out the filter from its slot.
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinserting it.
5. Once the filter is reinserted, press and hold the Filter Reset button on the control panel for 3 seconds to clear the filter indicator light.

Washable Filter

easily remove for cleaning



Figure 5.1: View of the rear of the dehumidifier, showing the easily removable and washable mesh filter for simple maintenance.

5.3 General Cleaning

Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the unit is dry before plugging it back in.

6. Troubleshooting

If you experience issues with your dehumidifier, refer to the common problems and solutions below. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Unit does not turn on.	No power; Water bucket full or not properly seated; Temperature too low.	Check power connection; Empty and reinsert bucket; Ensure room temperature is above 41°F (5°C).
Unit is running but not collecting water.	Humidity level already low; Air filter clogged; Room temperature too low.	Check current humidity setting; Clean air filter; Ensure room temperature is suitable.
Unit is noisy.	Unit not on a level surface; Air filter clogged.	Place unit on a level surface; Clean air filter.
Water leaks from the unit.	Water bucket not properly seated; Drain hose not securely connected (if using continuous drainage).	Reinsert water bucket correctly; Check drain hose connections.

7. Specifications

Feature	Detail
Brand	BLACK+DECKER
Model Name	BLACK+DECKER 50-Pint Portable Dehumidifier with Built-in Pump
Model Number	BD50PMWSA
Dehumidification Capacity	50 Pints per Day
Coverage Area (2019 DOE)	650 Square Feet
Coverage Area (2012 DOE)	4500 Square Feet
Tank Volume	1.6 Gallons (12.68 Pints)
Product Dimensions (D x W x H)	9.92"D x 18.8"W x 20"H
Item Weight	42.8 Pounds
Wattage	515 watts
Number of Speeds	2
Refrigerant	R-32
ENERGY STAR Certified	Yes
UPC	810064691478

8. Warranty and Support

8.1 Product Warranty

This BLACK+DECKER dehumidifier comes with a 1-year warranty covering labor and parts for manufacturing defects only. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For further assistance, troubleshooting, or warranty inquiries, please refer to the official BLACK+DECKER support channels or the complete User Manual PDF available at

<https://manuals.plus/m/e915518b24b7d1c539b5ec2b5084109a72abb08fed1ec3ac04d9987e4d22bee9>.