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Oyajia BD029A

Oyajia BD029A 25L/D Dehumidifier User Manual

Model: BD029A

1. IMPORTANT SAFETY INFORMATION AND INITIAL SETUP

Before using your new Oyajia BD029A dehumidifier for the first time, it is recommended to allow it to rest upright for 4-6 hours, or sometimes longer. This allows the refrigerant in the compressor to settle correctly. During transportation, the dehumidifier may have been tilted, which can displace the refrigerant. Operating the unit immediately after transport without this resting period may result in reduced dehumidification efficiency, improper function, or increased noise levels. Ensuring the compressor functions correctly from the start contributes to the machine's performance and longevity.

Always place the dehumidifier on a stable, level surface. Ensure adequate clearance around the unit for proper airflow.

2. PRODUCT OVERVIEW

The Oyajia BD029A is a compressor-based dehumidifier designed to reduce indoor humidity. It features a 4-liter water tank and offers a dehumidification capacity of 25 liters per 24 hours.



Figure 2.1: Overall view of the Oyajia BD029A Dehumidifier, showing its compact design and a mobile app interface for remote control.

Key Features:

- **Efficient Dehumidification:** Utilizes advanced compressor technology for stable and effective moisture removal.
- **Large Water Tank:** Equipped with a 4-liter water tank to minimize the frequency of emptying.
- **Smart Control Panel:** Features a high-sensitivity touch control panel for intuitive operation.
- **Wi-Fi Connectivity:** Allows remote control via a smartphone app (2.4G WiFi).
- **Adjustable Humidity Control:** Integrated high-precision humidity sensor monitors and adjusts dehumidification intensity.
- **Multiple Operating Modes:** Includes Dehumidification, Continuous, Sleep, and Laundry modes.
- **Negative Ion Function:** Releases negative ions to improve air quality.
- **Timer Function:** Programmable timer for up to 12 hours of operation.
- **Child Lock:** Prevents accidental changes to settings.
- **Automatic Features:** Includes automatic defrost, automatic humidity removal, and automatic shut-off.

- **Quiet Operation:** Designed for low noise levels, especially in Sleep mode (≈ 45 dB).
- **Washable Filter:** For easy maintenance and improved air quality.
- **Continuous Drainage Option:** Includes a drain hose for continuous water removal.



Figure 2.2: Product dimensions (23.5 x 35 x 58 cm) and design elements including a carry handle, washable filter, and 360-degree universal wheels for portability.

3. SETUP

3.1 Unpacking

Carefully remove the dehumidifier from its packaging. Retain packaging materials for future storage or transport.

3.2 Placement

Place the unit on a firm, level surface in the area where dehumidification is desired. Ensure there is at least 20 cm (8 inches) of space around the air inlet and outlet for optimal airflow.

3.3 Power Connection

Connect the power cord to a grounded electrical outlet (220-240V/50Hz).

3.4 Water Tank Installation

Ensure the 4-liter water tank is correctly inserted into the unit. The unit will not operate if the tank is full or improperly seated.



Figure 3.1: The dehumidifier features a removable 4-liter water tank and an optional drain hose for continuous drainage. The humidity sensor allows for relaxed operation.

3.5 Continuous Drainage (Optional)

For continuous operation without needing to empty the water tank, attach the provided drain hose to the continuous drainage outlet on the unit. Ensure the hose is directed downwards to a suitable drain, allowing gravity to facilitate water flow.

4. OPERATING INSTRUCTIONS

The dehumidifier features a touch control panel for easy operation.

INTELLIGENTE LUFTENTFEUCHTUNG

Das moderne LED-Display mit Feuchtigkeitsanzeigeleuchten sorgt für eine einfache Bedienung.



Figure 4.1: The intelligent LED display and control panel for easy operation and monitoring of humidity levels.

4.1 Control Panel Functions

- **Power Button:** Touch to turn the device On/Off.
- **Mode Button:** Touch to cycle through operating modes: Dehumidification Mode, Continuous Dehumidification Mode, Sleep Mode.
- **Fan Speed Button:** Touch to select fan speed (2 speeds available).
- **Up Button (+):** In non-timed state, increases the dehumidification setting. In timed state, increases the timer duration.
- **Down Button (-):** In non-timed state, reduces the dehumidification setting. In timed state, reduces the timer duration.
- **Timer Button:** Activates/deactivates the timer function.
- **Child Lock Button:** Press and hold for 3 seconds to activate/deactivate the child lock function.
- **Negative Ion Switch:** Activates the negative ion function.

4.2 Operating Modes

The dehumidifier offers various modes to suit different needs:

- **Dehumidification Mode:** Standard operation to reduce ambient humidity to a set level.
- **Continuous Dehumidification Mode:** Operates continuously regardless of humidity levels, suitable for very damp environments or laundry drying.
- **Sleep Mode:** Reduces fan speed and dims display lights for quiet operation during sleep.
- **Automatic Mode:** The unit intelligently adjusts operation based on detected humidity levels.
- **Laundry Drying Function:** Specifically designed to assist in drying clothes by continuously removing moisture from the air.

3 Leistungsstarke Modi 1 Intelligenter Luftentfeuchter

Eine Anti-Feuchtigkeitslösung mit 3vielseitigen Modi für alle Ihre Bedürfnisse.

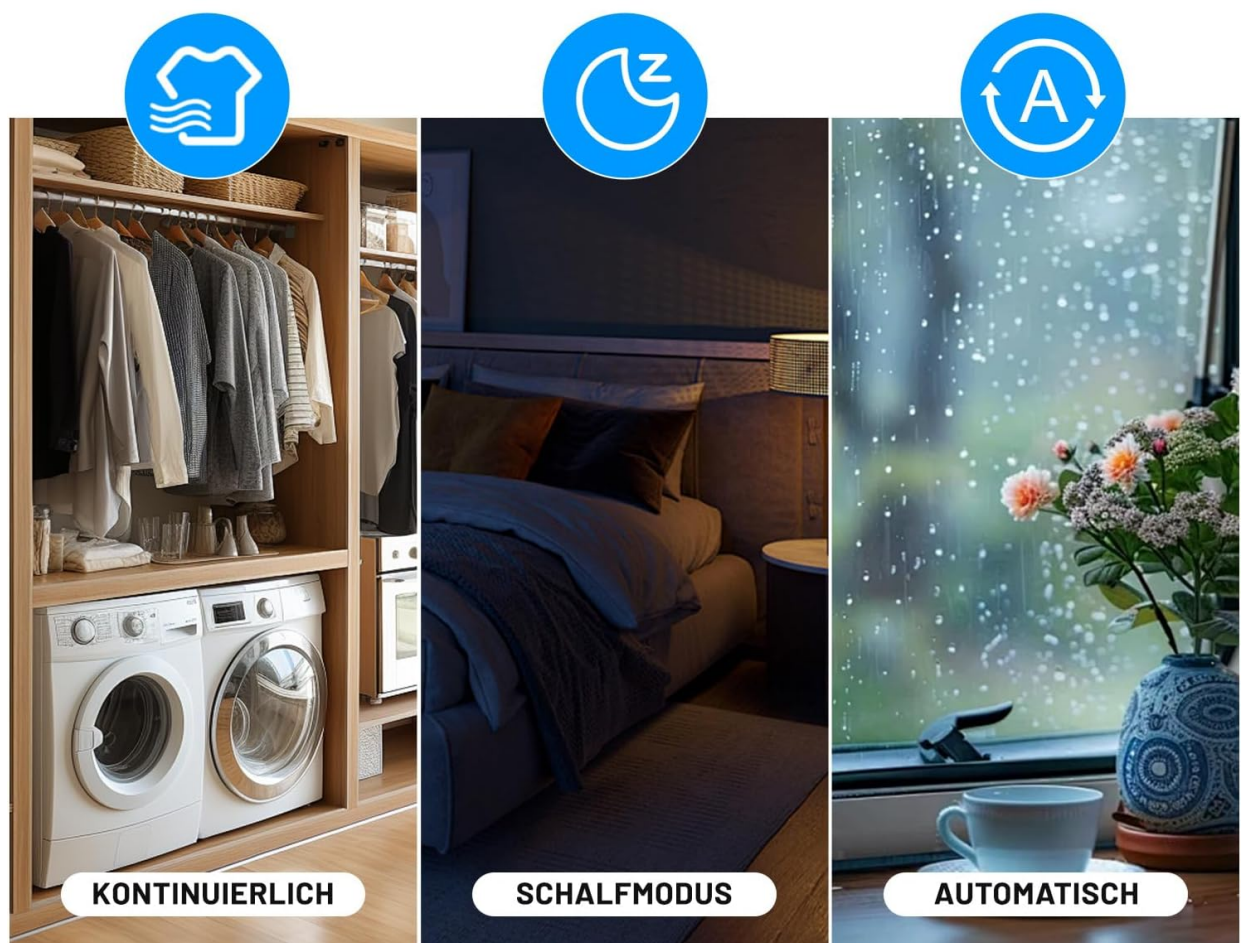


Figure 4.2: Illustration of the three primary operating modes: Continuous, Sleep, and Automatic, providing versatile humidity control.

4.3 Wi-Fi App Control

The dehumidifier can be controlled remotely using a smartphone or other device with Wi-Fi connectivity. Download the dedicated app to adjust working mode, humidity settings, fan speed, and other parameters from anywhere. The device is compatible with Amazon Alexa and Google Home.

SmartApp-Bedienung

Bedienen Sie Ihren Luftentfeuchter von überall aus über die App oder per Sprachbefehl.



Figure 4.3: Smart App operation allows control of the dehumidifier from anywhere via the app or voice command, compatible with Amazon Alexa and Google Home.

5. MAINTENANCE

5.1 Emptying the Water Tank

When the water tank is full, the unit will automatically stop operating and a full water reminder will activate. Carefully remove the water tank from the unit and empty the collected water. Reinsert the tank securely to resume operation.

5.2 Cleaning the Washable Filter

The dehumidifier is equipped with a washable filter. Regularly check and clean the filter to maintain optimal performance and air quality. Remove the filter, wash it with clean water, and ensure it is completely dry before reinserting.

5.3 Storage

If storing the unit for an extended period, ensure the water tank is empty and clean, and the filter is clean and dry. Store the unit upright in a cool, dry place.

6. TROUBLESHOOTING

If the dehumidifier is not operating as expected, please check the following:

- **Unit not turning on:** Ensure the power cord is securely plugged into a working outlet. Check if the water tank is full or improperly seated.
- **No dehumidification:** Verify that the unit has rested for 4-6 hours after transport before initial use. Ensure the air inlet and outlet are not blocked. Check the set humidity level; if it is higher than the current room humidity, the unit may not operate.
- **Unusual noise:** Ensure the unit is on a stable, level surface. Check for any obstructions in the fan area.
- **Water tank full indicator remains on after emptying:** Ensure the water tank is correctly and fully reinserted into the unit.

For issues not resolved by these steps, please contact customer support.

7. SPECIFICATIONS

Specification	Value
Brand	Oyajia
Model	BD029A
Color	White
Dehumidification Method	Compressor R290
Dehumidification Capacity	25L/24h
Water Tank Capacity	4 Liters
Power Supply	220-240V/50Hz
Noise Level	≤ 45 dB
Product Dimensions (L x W x H)	23.5 x 35 x 58 cm
Weight	13.8 kg
Number of Speeds	2
Automatic Shut-off	Yes
Special Features	Adjustable Humidity Control, Leak Protection, Water Full Reminder, Bucket Storage, Built-in Pump, Continuous Drain, Removable Tank, Overheating Protection, Portable, Washable Filter, Digital Display, Child Lock, 2 Wind Speeds, Quiet Operation, Environmental Detection, Negative Ions, Air Purification, 2.4G WiFi Phone Control, Automatic Defrost, Automatic Humidity Removal, Automatic Shut-off, Sleep Mode, Timer

8. WARRANTY AND SUPPORT

Oyajia offers 24-hour customer service to address any questions or concerns you may have regarding your dehumidifier. Please refer to your purchase documentation for specific warranty details.