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AEOCKY BOREAS-001

AEOCKY BOREAS-001 50-Pint Dehumidifier User Manual

Model: BOREAS-001

1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before operating the dehumidifier. Keep this manual for future reference.

- Ensure the unit is placed on a stable, level surface to prevent tipping.
- Allow the unit to stand upright for at least 24 hours after transport before plugging it in to allow the refrigerant to settle.
- Do not block the air inlet or outlet. Maintain at least 20 cm (8 inches) clearance around the unit.
- Do not operate the dehumidifier near flammable gases or combustible materials.
- Always unplug the unit before cleaning or performing any maintenance.
- Do not use the unit in temperatures below 6°C (43°F) as it may affect performance and cause freezing.
- Keep children and pets away from the unit during operation.

2. PRODUCT OVERVIEW

The AEOCKY BOREAS-001 is a high-efficiency 50-pint dehumidifier designed for spaces up to 3500 sq.ft. It features an intelligent humidistat, quiet operation, and multiple drainage options.





Front view of the AEOCKY BOREAS-001 50-Pint Dehumidifier.

Key Features:

- **High Dehumidification Capacity:** Removes up to 50 pints of moisture per day.
- **Quiet Operation:** Operates at a low noise level of 40 dB, suitable for bedrooms and living areas.
- **Energy Efficient:** Certified by Natural Resources Canada (NRCAN) for reduced electricity consumption.
- **Intelligent Humidistat:** Maintains precise humidity levels with a proprietary compensation algorithm.

- **Durable Components:** Features a Pro+ high-efficiency piston compressor and pure copper tubing for extended lifespan.
- **User-Friendly Design:** Includes 360° caster wheels, a hidden carry handle, and a transparent water tank with auto-stop.
- **Power-Off Memory:** Automatically resumes previous settings after a power outage.



Diagram illustrating the internal components, including the evaporator, motor, and Pro+ Piston Compressor.



Detailed view of user-centric features such as the gravity drain hose, washable nylon filter, 360° swivel wheels, garden hose adapter, four-color ambient light, and hidden handle.

3. SETUP INSTRUCTIONS

3.1 Unpacking and Initial Placement

1. Carefully remove the dehumidifier from its packaging.
2. Place the unit upright on a firm, level surface.
3. Allow the dehumidifier to stand in an upright position for at least 24 hours before plugging it into a power outlet. This ensures the compressor oil settles, preventing potential damage.
4. Ensure there is at least 20 cm (8 inches) of clear space around all sides of the unit for proper airflow. Do not place it against walls or furniture that could obstruct air circulation.

3.2 Drainage Options

The AEOCKY BOREAS-001 offers three drainage methods:

AEOCKY Proprietary High-Groove Inner-Threaded Pure Copper Tubes

Uses only high-purity, thick-wall copper, a costly and precision-demanding manufacturing system



Illustration of the three available drainage options for the dehumidifier.

- 1. Manual Drainage (Water Tank):** The unit collects water in its internal 2.7L water tank. When the tank is full, the unit will automatically shut off and an indicator light will illuminate. Carefully remove the tank and empty the collected water. Reinsert the tank securely to resume operation.
- 2. Continuous Drainage (Drain Hose):** For continuous operation without manual emptying, connect the included 2-meter (78.74 inch) drain hose to the continuous drainage port on the unit. Ensure the hose is sloped downwards to allow gravity to drain the water into a suitable floor drain or container.
- 3. Garden Hose Drainage (with Adapter):** For customized drainage length, use the included 5/8 inch (1.59 cm) garden hose adapter. Attach the adapter to the continuous drainage port, then connect a standard garden hose (not included). Ensure the garden hose is also sloped for gravity drainage. If there are gaps after connecting, use thread seal tape to reinforce the connection.

4. OPERATING INSTRUCTIONS

The control panel allows you to manage various settings and modes of your dehumidifier.



Overview of the control panel and available operating modes.

4.1 Power On/Off

Press the Power button to turn the unit on or off.

4.2 Operating Modes

- **Auto Mode (AI Control):** This mode automatically adjusts operation to maintain a comfortable humidity range for human comfort.
- **Continuous Mode:** The unit will operate continuously to remove moisture, regardless of the set humidity level. This is ideal for very damp conditions or for drying clothes.
- **Constant Humidity Mode:** Allows you to set a desired humidity level between 40% and 80%. The unit will cycle on and off to maintain this level.
- **Smart Drying Mode:** Designed for drying clothes, this mode provides continuous and powerful dehumidification.

4.3 Humidity Setting

In Constant Humidity Mode, use the Up/Down arrows to adjust the desired humidity level (40%-80% Relative Humidity).

4.4 Fan Speed Control

Select between two fan speeds (Low/High) to control the rate of dehumidification and noise level.

4.5 Timer Function

Set the timer for automatic shut-off or delayed start, typically from 1 to 24 hours.

4.6 Child Lock

Activate the Child Lock feature to prevent accidental changes to settings.

4.7 Ambient Light

The multicolor ambient light indicates the current humidity level:

- **Blue:** Humidity < 45%
- **Green:** Humidity 45%-65%
- **Orange:** Humidity > 65%
- **Red:** Water tank full

5. MAINTENANCE

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

5.1 Cleaning the Air Filter

The unit is equipped with a washable nylon filter. A clean filter improves air quality and dehumidification efficiency.

1. Unplug the dehumidifier from the power outlet.
2. Locate and remove the air filter from 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 reinserting it into the unit.
5. Reinsert the dry filter and plug the unit back in.



Image showing the premium ABS nylon filter and the lab-grade PVC drain hose.

5.2 Cleaning the Water Tank

Regularly clean the water tank to prevent mold and mildew growth.

1. Unplug the dehumidifier.
2. Remove the water tank and empty any remaining water.
3. Wash the tank with mild detergent and warm water.
4. Rinse thoroughly and dry before placing it back into the unit.

5.3 Exterior Cleaning

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

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power, water tank full or not properly inserted.	Check power connection. Empty and reinsert water tank securely.
Unit is running but not removing moisture.	Air filter clogged, room temperature too low, humidity setting too high, unit size too small for space.	Clean air filter. Ensure room temperature is above 6°C (43°F). Lower humidity setting. Ensure unit is appropriately sized for the area.
Unit is noisy.	Unit not on a level surface, air filter clogged, internal components vibrating.	Place unit on a level surface. Clean air filter. If noise persists, contact support.
Water leaks from the unit.	Water tank not properly inserted, continuous drain hose loose or clogged.	Ensure water tank is fully seated. Check continuous drain hose connection and clear any blockages.

Problem	Possible Cause	Solution
Ambient light is red.	Water tank is full.	Empty the water tank and reinsert it.

7. SPECIFICATIONS

Feature	Detail
Brand	AEOCKY
Model Number	BOREAS-001
Colour	Beige
Product Dimensions	33.5 x 45.69 x 22 cm
Item Weight	13.1 kg
Capacity	50 Pints/Day
Power/Wattage	380 watts
Floor Area Coverage	Up to 3500 Square Feet
Special Features	Adjustable Humidity Control (40%-80%), Child Lock, Fan Speed Control, Timer, Power-Off Memory, Intelligent Auto Defrost
Water Tank Capacity	2.7 Liters

8. WARRANTY AND SUPPORT

AEOCKY products are designed for reliability and performance. This dehumidifier comes with a **3-year warranty** on the unit and an additional **2-year warranty** specifically for the compressor.

The product is certified by various authorities, including ETL, NRCAN, RoHS, and REACH, ensuring compliance with safety and environmental standards.



Certifications from leading authorities such as Natural Resources Canada.

Customer Support:

For technical assistance, warranty claims, or any questions regarding your AEOCKY dehumidifier, please contact our customer support team. Refer to the contact information provided with your purchase or visit the official AEOCKY website.