ARGENDON Guardian 60

ARGENDON Guardian 60 Commercial Dehumidifier User Manual

Brand: ARGENDON | Model: Guardian 60

1. Introduction and Overview

This manual provides detailed instructions for the ARGENDON Guardian 60 Commercial Dehumidifier. Designed for effective moisture control in challenging environments such as crawl spaces, basements, and industrial sites, this unit offers robust performance and user-friendly operation. It is capable of removing up to 145 pints of moisture per day at 90°F and 90% humidity, covering areas up to 1,500 Sq.Ft. Key features include continuous drainage via a drain hose, a robust fan for efficient airflow, a MERV-1 filter for air purification, and versatile humidity control modes.



Figure 1: The ARGENDON Guardian 60 Dehumidifier in operation, illustrating its high efficiency in moisture removal.

Video 1: An overview of the ARGENDON Guardian 60 Dehumidifier, showcasing its features, internal components, and various installation options for effective humidity control.

2. Setup and Installation

2.1 Unboxing and Initial Inspection

Carefully remove the dehumidifier from its packaging. Inspect the unit for any signs of damage during transit. Ensure all accessories, including the drain hose and user manual, are present.

2.2 Placement

Place the dehumidifier on a stable, level surface in the desired location. Ensure there is adequate clearance around the

air inlet and outlet for optimal airflow. The compact design allows for flexible placement in tight spaces like crawl spaces or attics.

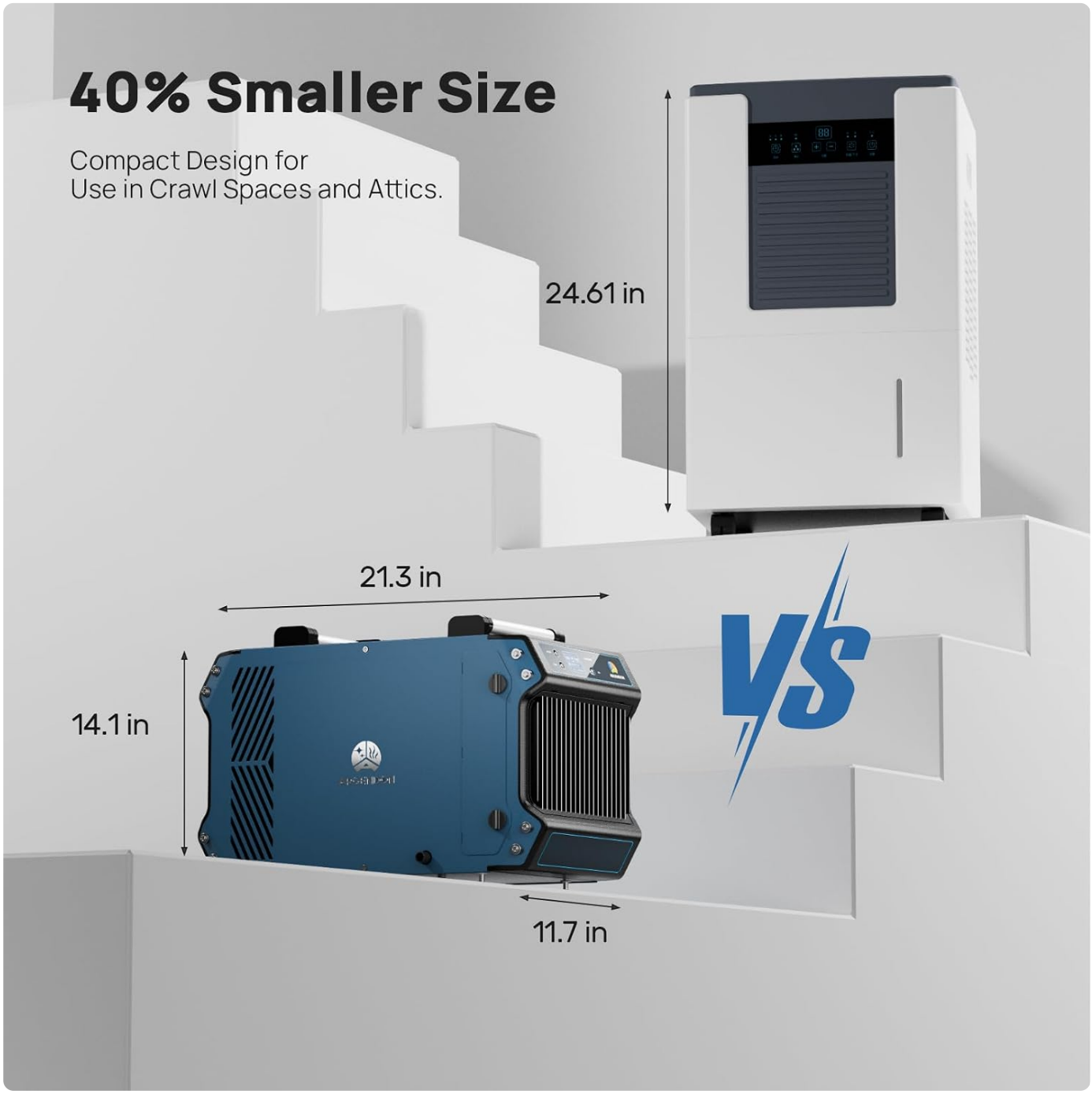


Figure 2: The compact size of the Guardian 60, ideal for installation in confined areas.

2.3 Drain Hose Connection

The unit is designed for continuous drainage. Connect the provided 6.5 ft (2M) drain hose to the drainage outlet on the side of the unit. Ensure the hose is routed downwards to a suitable drain or collection bucket, allowing for gravity drainage. Avoid kinks or obstructions in the hose.



Figure 3: Connecting the gravity drain hose for continuous operation.

2.4 Power Connection

Plug the power cord into a grounded electrical outlet. The unit is now ready for operation.

3. Operating Instructions

The Guardian 60 features an intuitive control panel for easy operation.

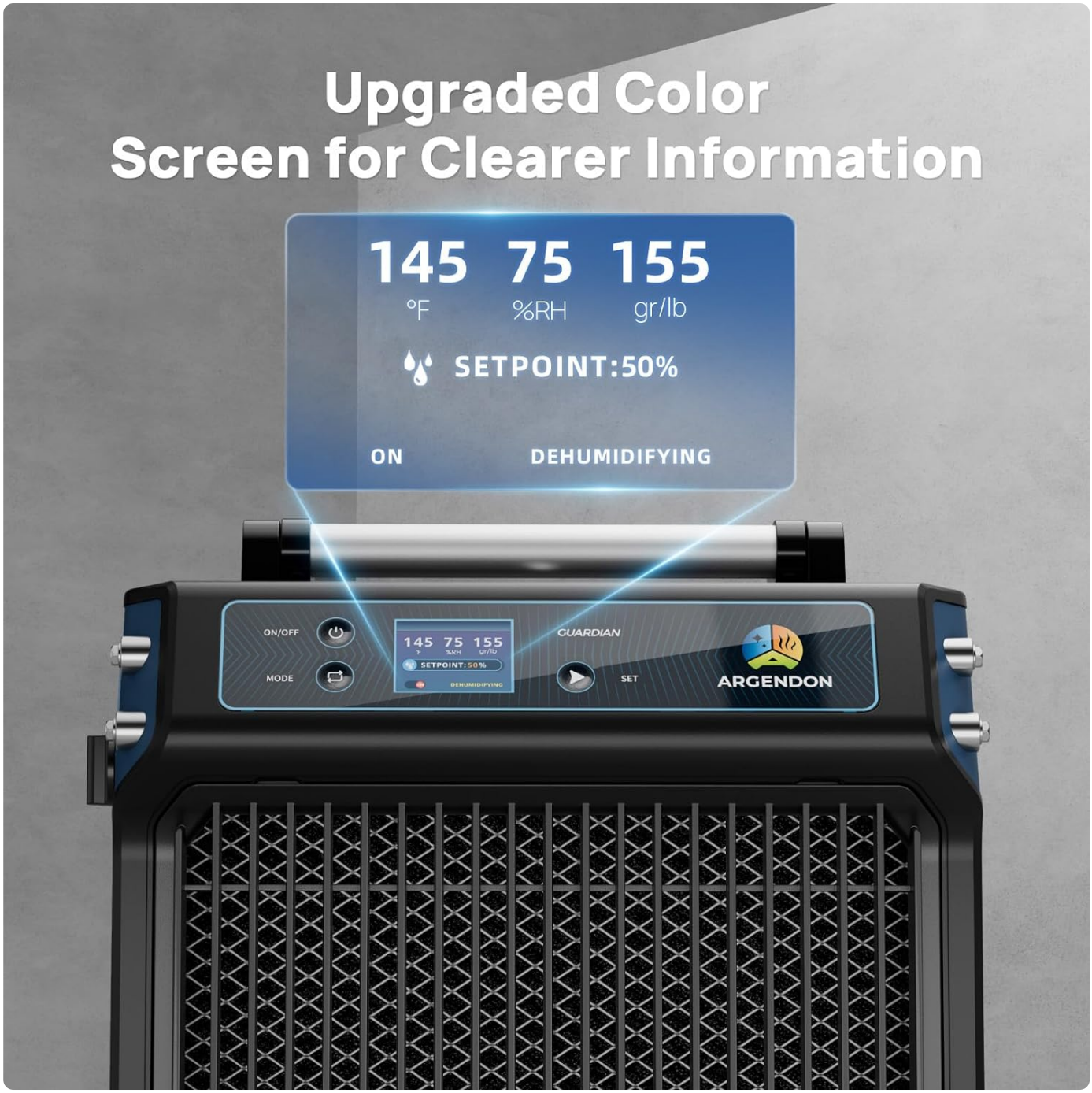


Figure 4: The upgraded color screen control panel for clear information display.

3.1 Power On/Off

- Press the **ON/OFF** button to power the unit on or off.
- When powering off, the fan may continue to run for a short period to ensure proper drainage and prevent ice buildup. Do not unplug the unit during this time.

3.2 Mode Selection

Press the **MODE** button to cycle through available operating modes:

- **Continuous Dehumidifying Mode:** The unit will run continuously to remove moisture.
- **Humidity Control Mode (RH%):** Set a target relative humidity percentage. The unit will operate to maintain this level.
- **Humidity Control Mode (GPP):** Set a target grains per pound value. The unit will operate to maintain this level.

3.3 Setting Humidity Levels

- In Humidity Control Mode, use the **SET** buttons (up/down arrows) to adjust your desired humidity setpoint.
- The display will show the current temperature, relative humidity, and grains per pound.

3.4 Auto Defrost Function

The unit features an automatic defrost function, allowing it to operate effectively in low-temperature environments without manual intervention. If frost is detected on the coils, the unit will temporarily pause dehumidification and run the fan to melt the frost.

3.5 Fault Display

The control panel will display error codes if any operational issues are detected. Refer to the Troubleshooting section for guidance on resolving these issues.

4. Maintenance

Regular maintenance ensures optimal performance and longevity of your dehumidifier.

4.1 Filter Cleaning and Replacement

The Guardian 60 is equipped with a MERV-1 filter that removes dust and impurities from the air. The filter should be cleaned every 3-6 months, depending on air quality and usage.

- To access the filter, open the filter access panel on the side of the unit.
- Slide out the MERV-1 filter.
- Clean the filter by rinsing it under warm water or using a vacuum cleaner. Allow it to dry completely before reinserting.
- Replace the filter if it is damaged or excessively dirty and cannot be cleaned effectively.



Figure 5: The MERV-1 filter, drain hose, and user manual included with the dehumidifier.

4.2 Exterior Cleaning

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

5. Troubleshooting

If you encounter issues with your ARGENDON Guardian 60 Dehumidifier, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Unit does not power on	No power supply; Power button not pressed	Check power cord connection and outlet; Press ON/OFF button.
Dehumidifier not collecting water	Humidity setpoint too high; Ambient humidity too low; Drain hose kinked or blocked	Lower humidity setpoint; Check ambient conditions; Inspect and clear drain hose.
Unit displays an error code (e.g., E5)	Internal malfunction; Sensor error	Power cycle the unit (turn off, unplug, wait 5 minutes, plug in, turn on). If error persists, contact customer support.
Excessive noise during operation	Unit not level; Obstruction in fan; Loose components	Ensure unit is on a level surface; Check for and remove any obstructions; Contact customer support if noise persists.
Water leakage	Drain hose improperly connected or damaged; Unit not level	Verify drain hose connection and condition; Ensure unit is on a level surface.

For issues not listed or if troubleshooting steps do not resolve the problem, please contact ARGENDON customer support.

6. Specifications

Feature	Detail
Brand	ARGENDON
Model Name	Guardian 60 (Internal ID: 4e32c53e-3caf-4393-b3f1-0e5ee95f9dd2)
Capacity	145 Pints (at 90°F, 90% RH)
Coverage Area	Up to 1500 Sq.Ft.
Air Flow Capacity	165 Cubic Feet Per Minute (CFM) / 280 CMH
Operation Mode	Continuous
Product Dimensions (D x W x H)	21.3" x 11.7" x 14.1"
Item Weight	24.95 Kilograms
Material	Metal
Color	Blue
Special Feature	Portable
Filter Type	MERV-1
Certifications	Energy Star Certified, cETL Safety Standards
UPC	745278646702

7. Warranty and Support

The ARGENDON Guardian 60 Commercial Dehumidifier comes with a 5-year limited warranty, ensuring peace of mind and reliable performance. This warranty covers:

- **6 Month Parts and Labor:** Includes shipment charges for replacement parts or unit.
- **1 Year Parts and Labor:** Excludes shipment charges to send the defective product back for repair or replacement.
- **3-Year Parts and Labor:** Coverage for the refrigeration system only.
- **5-Year Compressor and Coil.**

For additional warranty information, technical assistance, or to inquire about protection plans, please contact our dedicated customer support team. We are committed to assisting you with all your needs.

Optional protection plans are available for extended coverage:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly billing)

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question