AIRPLUS AP20-1905EE

AIRPLUS 70 Pint Dehumidifier User Manual

Model: AP20-1905EE

1. INTRODUCTION

Thank you for choosing the AIRPLUS 70 Pint Dehumidifier. This appliance is designed to efficiently remove excess moisture from your indoor environment, creating a more comfortable and healthier living space. It is ideal for basements, large rooms, and other areas prone to high humidity. This manual provides essential information for the safe operation, installation, maintenance, and troubleshooting of your dehumidifier. Please read it thoroughly before use and retain it for future reference.

2. SAFETY INFORMATION

To ensure safe operation, always adhere to the following precautions:

- Read all instructions before using the appliance.
- Ensure the power supply matches the voltage specified on the rating label.
- Do not operate the dehumidifier with a damaged cord or plug.
- Always unplug the unit before cleaning, servicing, or moving it.
- Do not block air inlets or outlets. Maintain at least 8 inches (20 cm) clearance around the unit.
- Do not use the appliance in wet or damp environments where water may splash onto it.
- Keep children and pets away from the unit during operation.
- Do not attempt to repair or disassemble the unit yourself. Contact qualified service personnel.
- If the unit has been tilted, allow it to stand upright for at least 24 hours before plugging it in.

3. PRODUCT OVERVIEW

The AIRPLUS 70 Pint Dehumidifier is designed for effective moisture removal and air quality improvement. It features a user-friendly control panel and various smart functions.

Figure 3.1: Front view of the AIRPLUS 70 Pint Dehumidifier.

Key features include:

- **Defrost Function:** Intelligent detection of room temperature; automatically enters defrost mode below 45°F (7°C).

- **Compressor Protection:** Prevents immediate restart after compressor stops, ensuring longevity.
- **Automatic Memory:** Retains the last operating mode after a power interruption.
- **Child Lock:** Disables control panel to prevent accidental changes.
- **Portable Design:** Equipped with a convenient handle and universal wheels for easy mobility.
- **Washable Filter:** Easily removable and washable for simple maintenance.

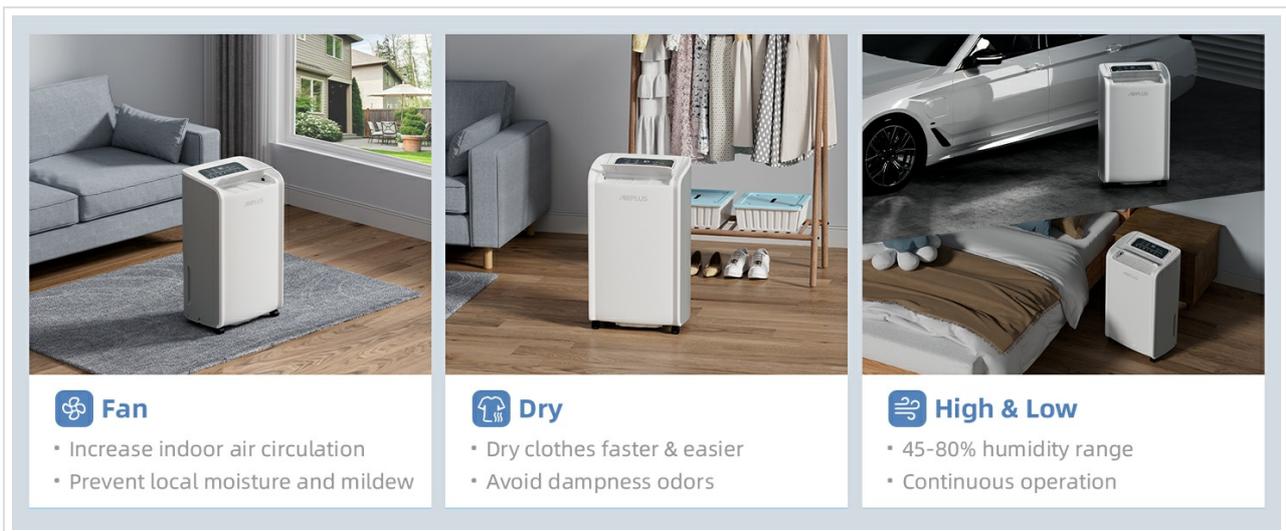Figure 3.2: Overview of intelligent features including Child Lock and Defrost.

Figure 3.3: Design elements for portability and easy maintenance.

4. SETUP

Follow these steps for initial setup of your dehumidifier:

1. **Unpacking:** Carefully remove the dehumidifier from its packaging. Retain the packaging for future storage or transport.
2. **Placement:** Place the unit on a flat, stable surface in the desired location. Ensure there is at least 8 inches (20 cm) of clear space around all sides of the dehumidifier for proper airflow. Avoid placing it near heat sources or in direct sunlight.
3. **Initial Standby:** If the unit was tilted during transport, allow it to stand upright for a minimum of 24 hours before plugging it in. This allows the refrigerant to settle.
4. **Drainage Options:** Your dehumidifier offers two drainage methods:

- **Manual Drainage (Water Tank):** The unit comes with a 0.7-gallon (2.65L) water tank. When the tank is full, the unit will automatically shut off and an indicator light will illuminate. Empty the tank and reinsert it to resume operation.
- **Continuous Drainage (Drain Hose):** For continuous operation without emptying the tank, attach the included 3.9 ft (1.2 m) drain hose to the continuous drainage port on the back of the unit. Ensure the hose is sloped downwards to allow gravity drainage into a suitable drain or container.

Figure 4.1: Drainage options and unit dimensions.

Figure 4.2: Visual representation of the two drainage methods.

5. OPERATING INSTRUCTIONS

Your AIRPLUS dehumidifier features an intuitive control panel for easy operation. Plug the unit into a grounded electrical outlet.

Control Panel Overview

The digital display shows current humidity, temperature, timer settings, and active mode indicators.

Operating Modes

The dehumidifier offers 4 smart modes to suit various needs:

- **Standard Mode (RH=40-80% / Co):** Allows you to set your desired humidity level between 40% and 80%. The unit will operate to maintain this level.
- **Raining Mode (RH=45%):** Optimized for very humid conditions, aiming for a 45% relative humidity.
- **Sleep Mode (RH=50%):** Operates at a quieter level, targeting 50% relative humidity, ideal for nighttime use.
- **Continuous DRY Mode:** The unit runs continuously regardless of the humidity level, providing maximum dehumidification.
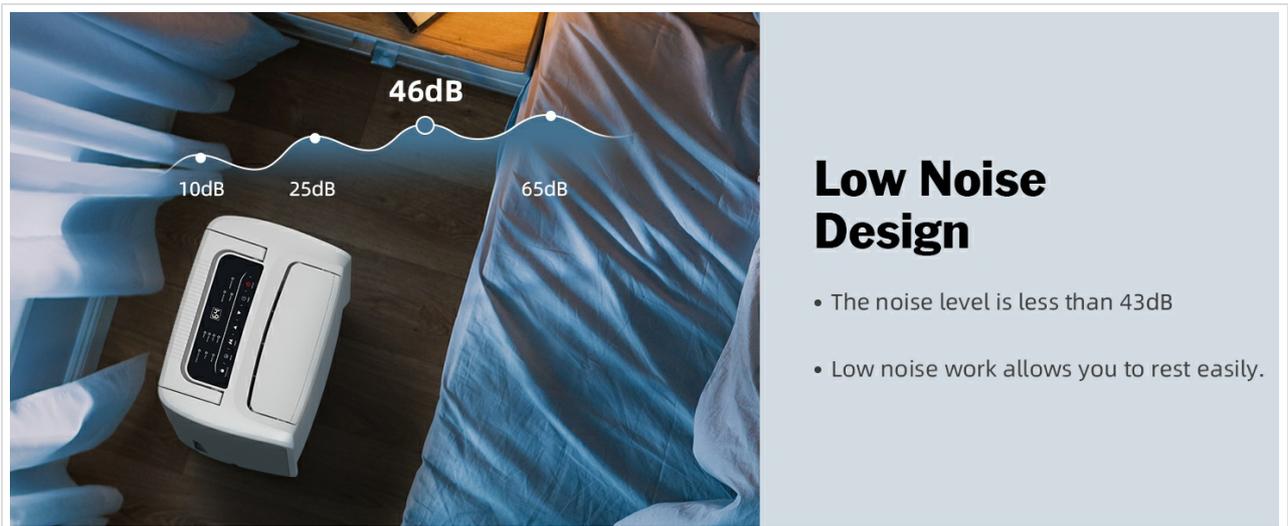
Figure 5.1: Humidity setting and mode options.

Figure 5.2: Fan, Dry, and High/Low mode applications.

24-Hour Timer

Use the timer function to set the unit to turn on or off automatically after a specified period (1-24 hours). This feature helps conserve energy and allows for convenient scheduling.

Figure 5.3: 24-hour timer setting for automated operation.

Noise Level

The dehumidifier operates with a low noise design, typically less than 43dB, ensuring minimal disturbance, especially in Sleep Mode.

Figure 5.4: Low noise operation for quiet environments.

6. MAINTENANCE

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

Cleaning the Air Filter

The dehumidifier is equipped with a removable and washable filter to capture dust, lint, and pet fur. A clean filter improves efficiency and air quality.

1. Turn off the unit and unplug it from the power outlet.
2. Remove the water tank.
3. Locate the filter access panel (usually at the back or side) and remove the filter.
4. Wash the filter under running water (warm, soapy water if heavily soiled).
5. Allow the filter to air dry completely before reinserting it.
6. Reinstall the filter and replace the water tank.

Figure 6.1: Location of the washable filter.

Emptying the Water Tank

If you are using manual drainage, the water tank will need to be emptied regularly. The unit will automatically shut off when the tank is full.

1. Gently pull out the water tank from the front of the unit.
2. Carefully carry the tank to a sink or drain.
3. Empty the collected water.
4. Slide the empty tank back into the unit until it clicks into place. The unit will resume operation.

Cleaning the Unit Exterior

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

Long-Term Storage

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

7. TROUBLESHOOTING

Before contacting customer support, please refer to the following troubleshooting guide for common issues:

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power supply; Power cord not plugged in; Water tank full or not properly inserted; Temperature too low.	Check power outlet and plug; Empty and reinsert water tank correctly; Ensure room temperature is above 41°F (5°C).
No water collected.	Humidity level too low; Air filter clogged; Room temperature too low; Unit in Fan Only mode.	Increase target humidity or select Continuous mode; Clean the air filter; Ensure room temperature is adequate; Select a dehumidification mode.
Unit is noisy.	Unit not on a level surface; Air filter clogged; Obstruction in fan.	Place unit on a flat, stable surface; Clean the air filter; Check for and remove any obstructions.
Airflow is weak.	Air filter clogged; Air inlet/outlet blocked.	Clean the air filter; Ensure proper clearance around the unit.
Frost on coils.	Room temperature too low.	The unit has an automatic defrost function. Allow it to complete the defrost cycle. If persistent, increase room temperature.

8. SPECIFICATIONS

Attribute	Specification
Brand	AIRPLUS
Model Name	AP20-1905EE
Dehumidification Capacity	70 Pints per Day
Coverage Area	Up to 4,500 Sq Ft
Water Tank Volume	0.7 Gallons (2.65 Liters)
Product Dimensions (D x W x H)	8.7" x 12.6" x 22.2"
Item Weight	28 Pounds
Wattage	300 watts
Number of Speeds	4

Attribute	Specification
Special Features	Automatic Moisture Removal, Automatic Defrost, Automatic Restart, Automatic Shutoff, Anti-Spill, Continuous Draining, Water Level Indicator, Child Lock, Overheat Protection, Timer, Automatic Memory, Removable Tank, Washable Filter, Portable, Adjustable Humidity Control, Digital Display, LED Power Indicator
Included Components	Washable filter, drain hose

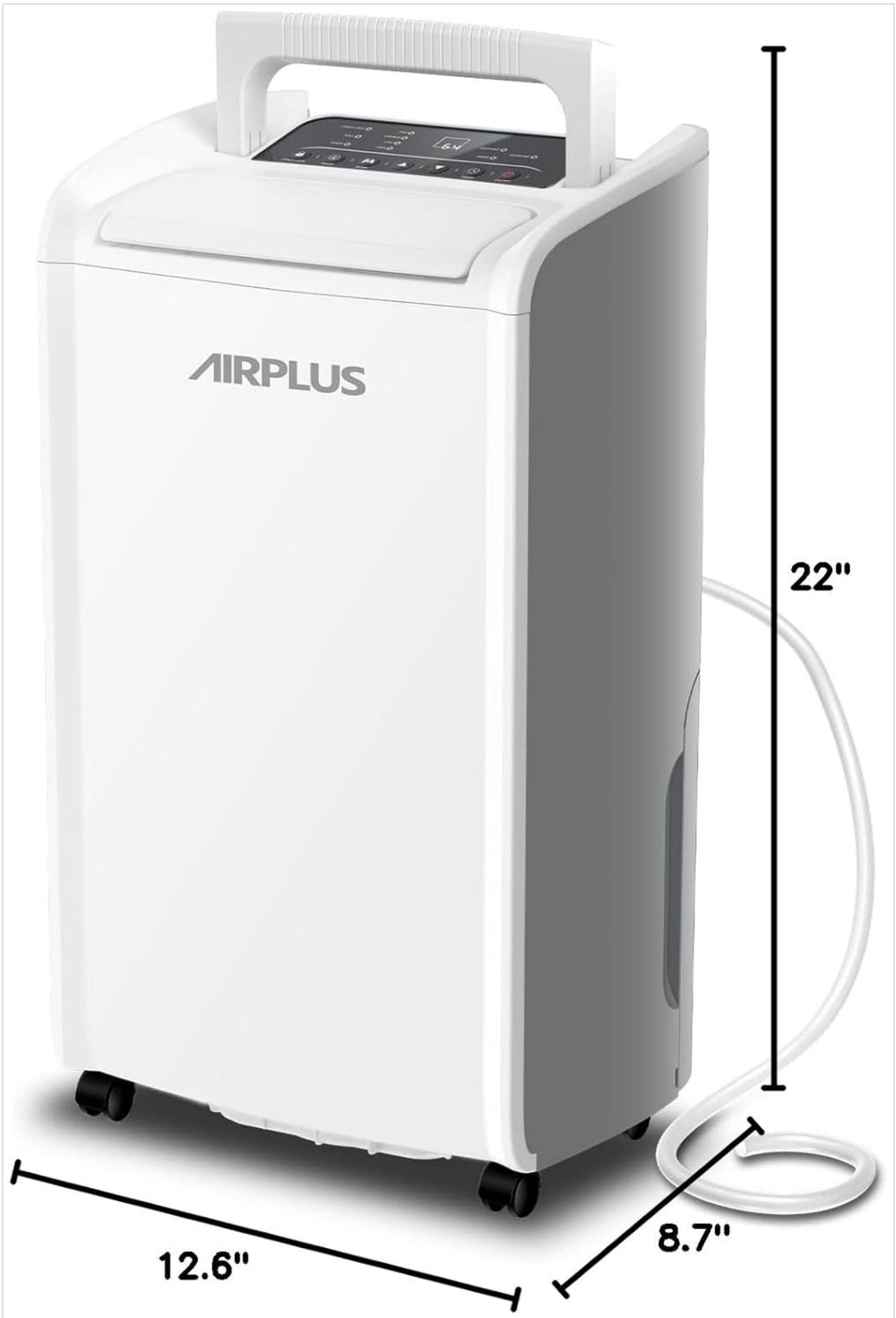| Attribute	Specification
Special Features	Automatic Moisture Removal, Automatic Defrost, Automatic Restart, Automatic Shutoff, Anti-Spill, Continuous Draining, Water Level Indicator, Child Lock, Overheat Protection, Timer, Automatic Memory, Removable Tank, Washable Filter, Portable, Adjustable Humidity Control, Digital Display, LED Power Indicator

Figure 8.1: Dehumidifier dimensions.

9. WARRANTY AND SUPPORT

AIRPLUS offers a **1-year warranty service** for this dehumidifier. Additionally, a **30-day free exchange/refund policy** is provided to ensure your satisfaction.

If you have any questions, concerns, or require technical assistance, please do not hesitate to reach out to our customer support team. We are committed to providing prompt and helpful responses within 24 hours.

For support, please visit the official AIRPLUS store or contact us through the platform where you purchased the product.