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Whynter ARC-110WD

Whynter ARC-110WD Portable Air Conditioner

Instruction Manual - Model: ARC-110WD

1. INTRODUCTION

The Whynter ARC-110WD Portable Air Conditioner is designed to provide powerful cooling, dehumidification, and air circulation for rooms up to 350 square feet. This versatile unit features a dual hose system for maximized cooling efficiency, an activated carbon filter, and a washable pre-filter for improved air quality. Its compact design and caster wheels ensure convenient portability, allowing you to easily move the unit between spaces.

2. SAFETY INFORMATION

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.

Always read and follow all safety instructions before operating this appliance to reduce the risk of fire, electric shock, or injury. Ensure the unit is placed on a stable, level surface. Do not operate the unit with a damaged cord or plug. Do not block air vents. Keep children and pets away from the unit during operation.

3. PRODUCT OVERVIEW



Figure 3.1: Whynter ARC-110WD Portable Air Conditioner and Remote Control.

Key Features:

- Powerful 11,000 BTU (5,900 BTU SACC) cooling capacity for rooms up to 350 sq. ft.
- Quiet operation at 51 dBA in low speed.
- Built-in dehumidifier with patented auto-drain function (81 Pints/day capacity).
- Four operational modes: Automatic, Cool, Dehumidify, and Fan (4 speeds).
- Full thermostatic control (61°F – 89°F).
- Equipped with Activated Carbon Air Filter and Washable Pre-filter for cleaner air.
- Dual hose system for enhanced cooling efficiency.
- Caster wheels for easy portability.
- Includes an extendable exhaust hose (up to 60"), intake hose, and a window kit.

4. SETUP

Proper installation is crucial for optimal performance. The Whynter ARC-110WD utilizes a dual hose system for efficient air exchange. Ensure the unit is placed near a window or sliding door for exhaust hose installation.

4.1 Window Kit Installation:

1. Assemble the window kit components to fit your window opening. The kit dimensions are 6.5"W x 20" (min) / 46" (max) L.
2. Secure the window kit firmly in the window frame, ensuring a tight seal to prevent air leakage.
3. Attach the extendable exhaust hose (5.9" diameter, up to 60" long) and the smaller 5.0" diameter intake hose to the designated ports on the rear of the unit and then to the window kit. Ensure hoses are not kinked or severely bent to maintain airflow.

DUAL HOSE OPERATION

Provides fast cooling and can cool up to 350 sq. ft. of space



Figure 4.1: Dual hose setup with window kit.

4.2 Portability:

The unit is equipped with rolling casters for easy movement. When relocating the unit, ensure all hoses are disconnected and reconnected properly at the new location. Avoid tilting the unit excessively during transport.

5. OPERATING INSTRUCTIONS

The Whynter ARC-110WD can be operated using the control panel on the unit or the included remote control. The control panel features a digital display and various buttons for mode selection, temperature adjustment, fan speed, and timer settings.

5.1 Control Panel and Remote Functions:

- **Power Button:** Turns the unit ON or OFF.
- **Mode Button:** Cycles through operating modes: Cool, Dehumidify, Fan, and Auto.
- **Temperature Adjustment:** Use the Up/Down arrows to set the desired temperature between 61°F and 89°F (16°C and 32°C).
- **Fan Speed Button:** Selects fan speed: Low, Medium, High, or Auto.
- **Timer Button:** Sets the auto-on or auto-off timer (up to 24 hours).
- **°C/°F Button:** Toggles between Celsius and Fahrenheit temperature display.
- **Sleep Mode:** Activates a quiet, energy-saving mode for nighttime operation.

For detailed operation of each mode and advanced settings, please refer to the full user manual PDF linked in the 'Warranty and Support' section.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your portable air conditioner.

6.1 Filter Cleaning:

CLEANER AND FRESHER AIR



Figure 6.1: Activated Carbon Filter and Washable Pre-filter locations.

- The unit includes an Activated Carbon Air Filter and a Washable Pre-filter.
- Clean the washable pre-filter every two weeks or as needed, depending on usage and air quality. Rinse with warm water and mild detergent, then air dry completely before reinserting.
- The activated carbon filter should be replaced every 2-3 months, or more frequently if the unit is used heavily.

6.2 Drainage:

The ARC-110WD features a patented auto-drain function that automatically exhausts most condensate in typical environments. For continuous operation in high-humidity conditions, an optional upper gravity drain port is available. Connect a suitable hose to this port to allow for continuous drainage into a floor drain or collection bucket.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not turn on.	No power, full water tank, timer active.	Check power connection. Empty water tank if full indicator is on. Deactivate timer.
Unit does not cool effectively.	Blocked air filters, open windows/doors, room too large, hoses not properly installed.	Clean or replace filters. Close all windows and doors. Ensure hoses are securely connected and not kinked. Verify room size is within unit's capacity.
Water leaks from the unit.	Drain plug not secure, unit not level, continuous drain hose kinked.	Ensure drain plug is tightly sealed. Place unit on a level surface. Straighten continuous drain hose if used.
Unit is noisy.	Unit not level, fan speed too high, internal components vibrating.	Ensure unit is on a level surface. Reduce fan speed. Some operational noise is normal.

If troubleshooting steps do not resolve the issue, please contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	ARC-110WD
Cooling Capacity	11,000 BTU (5,900 BTU SACC)
Coverage Area	Up to 350 Square Feet
Dehumidifier Capacity	81 Pints/day
Power Consumption	Max. 1040 W / 9.5 A
Voltage	115 Volts / 60Hz / 1 phase
Noise Level	51 dB (low speed)
Product Dimensions (D x W x H)	15.4" x 17.3" x 30.5"
Item Weight	62 pounds
Air Flow Capacity	177 Cubic Feet Per Minute
Material	Plastic



Figure 8.1: Whynter ARC-110WD Product Dimensions.

9. WARRANTY AND SUPPORT

The Whynter ARC-110WD Portable Air Conditioner comes with a **1-year limited manufacturer's warranty** and a **3-year compressor warranty**. For warranty claims or technical support, please contact Whynter customer service.

For a complete guide and detailed instructions, you can download the official User Manual (PDF) and User Guide (PDF) from the links below:

[Download User Manual \(PDF\)](#)

[Download User Guide \(PDF\)](#)

You can also visit the official [Whynter Store on Amazon](#) for more product information and support resources.