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Honeywell HPA3100

Honeywell PowerPlus HEPA Air Purifier HPA3100 User Manual

Model: HPA3100

1. INTRODUCTION

Thank you for choosing the Honeywell PowerPlus HEPA Air Purifier HPA3100. This device is designed to help improve indoor air quality by capturing microscopic airborne particles such as allergens, dust, pollen, smoke, pet dander, and odors. It is suitable for medium to large rooms, circulating and filtering the air up to 4.8 times per hour in spaces up to 200 square feet.



Image 1.1: The Honeywell PowerPlus HEPA Air Purifier HPA3100, shown with its retail packaging.

2. IMPORTANT SAFETY INSTRUCTIONS

Please read and save these safety instructions before using this air purifier. Failure to follow these instructions may result in electric shock, fire, or injury.

- Always unplug the air purifier before moving, cleaning, or replacing filters.
- Do not operate any air purifier with a damaged cord or plug.
- Keep the cord away from heated surfaces.
- Do not use the air purifier outdoors or on wet surfaces.
- Place the air purifier on a firm, level surface at least 6 inches (15 cm) from walls and furniture for optimal airflow.
- Do not block air openings.
- This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.

3. PRODUCT FEATURES

The Honeywell PowerPlus HEPA Air Purifier HPA3100 is equipped with advanced features to ensure clean air in your living space:

- **Powerful HEPA Filtration:** Captures up to 99.97% of microscopic airborne particles as small as 0.3 microns, including dust, pet dander, pollen, and smoke.
- **Activated Carbon Pre-Filter:** Helps capture larger particles and reduces common household odors and Volatile Organic Compounds (VOCs).
- **Optional Specialty Filters:** Enhance purification with specialized filters designed to tackle specific odors from pets, kitchens, smoke, or VOCs from home renovations (sold separately).
- **Multiple Cleaning Levels:** Features 4 cleaning levels including Microscopic Particles, General Clean, Pollen, and a powerful Turbo mode.
- **Auto Mode:** Automatically adjusts cleaning levels based on air quality.
- **Timers:** Programmable auto-off timer for 2, 4, or 8 hours.
- **Night Dimmer:** Dims control panel lights for undisturbed sleep.
- **Filter Check/Reset Indicator:** Alerts you when it's time to replace filters.
- **Certifications:** ENERGY STAR certified for energy efficiency and AHAM Verified for performance.

EXCEEDS HEPA STANDARDS

Advanced filtration captures over 99.99% of microscopic airborne particles*—delivering purification beyond the expected.



* Based on IEST-RP-CC001.6 for particles 0.3 microns and larger, using standard R-filter.

Image 3.1: The multi-layered filtration system, illustrating how air passes through different filters to capture particles.

ADVANCED MICROSCOPIC FILTRATION

Engineered to remove:



Dust



Pet
Dander



Pollen



Smoke



Wildfire
Smoke



Image 3.2: Visual representation of the types of microscopic particles the air purifier is engineered to remove.

4. SETUP

4.1 Unpacking

Carefully remove the air purifier from its packaging. Remove any plastic bags or protective materials from the unit and filters. Ensure all components are present: the air purifier unit, one 'R' HEPA filter, and one 'A' Pre-Filter.

4.2 Filter Installation

The air purifier comes with filters pre-installed, but they are typically wrapped in plastic for shipping. You must remove this plastic before use.

1. Open the front grille of the air purifier by gently pulling it from the top or sides.
2. Remove the pre-filter (labeled 'A') and the HEPA filter (labeled 'R') from inside the unit.
3. Remove the protective plastic packaging from both filters.
4. Place the HEPA filter(s) back into the unit, ensuring they are seated correctly.
5. Place the pre-filter 'A' over the HEPA filter(s), securing it with the tabs.

6. Close the front grille securely.

POWERFUL, LAYERED FILTRATION FOR CLEANER AIR



Image 4.1: Illustration of filter installation, showing the placement of the pre-filter (A), HEPA filter (R), and optional specialty filter (S).

4.3 Placement

For optimal performance, place the air purifier in the room where you spend the most time. Ensure there is at least 6 inches (15 cm) of clearance around the unit for proper air circulation. Avoid placing it near large obstacles that could impede airflow.

5. OPERATION

The control panel is located on the top of the unit. Familiarize yourself with the buttons and indicators:



Image 5.1: Top view of the air purifier, highlighting the control panel.

5.1 Power On/Off

Press the **Power Button** (usually a circle with a vertical line) to turn the unit on or off.

5.2 Cleaning Levels

Press the **Cleaning Level Button** to cycle through the available settings:

- **Microscopic Particles:** For general air purification.

- **General Clean:** A balanced setting for everyday use.
- **Pollen:** Optimized for capturing pollen during allergy seasons.
- **Turbo:** Provides maximum cleaning power for rapid air purification.

TURBO MODE

High performance for the worst air quality days



Image 5.2: The air purifier operating in Turbo Mode, designed for high performance.

5.3 Auto-Off Timer

Press the **Timer Button** to set the unit to automatically turn off after 2, 4, or 8 hours.

5.4 Control Panel Dimmer

Press the **Dimmer Button** to adjust the brightness of the control panel lights, ideal for nighttime use.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your air purifier.

6.1 Filter Replacement Schedule

The air purifier features a Filter Check/Reset indicator to remind you when to replace filters. However, general guidelines are:

- **'R' HEPA Filter:** Replace annually.

- **'A' Pre-Filter:** Replace every 3 months.
- **Optional 'S' Specialty Filters:** Replace as needed, typically every 3 months, depending on usage and air quality.

Always use genuine Honeywell replacement filters for reliable air cleaning.



Images 6.1-6.3: Visuals detailing the types of particles and odors captured by the filters, including optional specialty filters.

6.2 Resetting Filter Indicator

After replacing a filter, plug in the unit and press and hold the corresponding **Filter Reset Button** for approximately 2 seconds until the indicator light turns off.

6.3 Cleaning the Exterior

Wipe the exterior of the air purifier with a soft, dry cloth. Do not use water, waxes, polish, or any chemical solutions.

7. TROUBLESHOOTING

If your air purifier is not operating correctly, please refer to the following common issues and solutions:


Problem	Possible Cause	Solution
Unit will not turn on	Not plugged in; Power outage; Front grille not closed properly.	Ensure unit is securely plugged into a working outlet; Check household circuit breaker; Ensure front grille is fully closed and latched.
Reduced airflow or poor purification	Filters are dirty or clogged; Filters are still in plastic packaging.	Replace filters as per maintenance schedule; Ensure all plastic packaging is removed from filters.
Unusual noise	Foreign object inside unit; Filters not installed correctly.	Unplug unit and check for any obstructions; Reinstall filters, ensuring they are seated properly.
Filter indicator light remains on after replacement	Filter indicator not reset.	Press and hold the corresponding Filter Reset Button for 2 seconds until the light turns off.

8. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	HPA3100
Color	Black
Product Dimensions	13.9"D x 9.2"W x 15"H
Recommended Room Size	Up to 200 sq. ft. (4.8 air changes per hour)
Maximum Coverage Area	968 sq. ft. (1 air change per hour)
Noise Level	45 Decibels
Controller Type	Button Control
Certifications	AHAM Certified, Energy Star Certified
Item Weight	6.38 pounds
Included Components	1 Air Purifier, 1 HRF-R1 Filter, 1 HRF-AP1 Filter

TRANSFORM YOUR AIR

MORE CHANGES = CLEANER AIR	
RECOMMENDED	MAXIMUM
190 sq. ft. 	900 sq. ft.
4.8x times Air change per hour	1x times Air change per hour

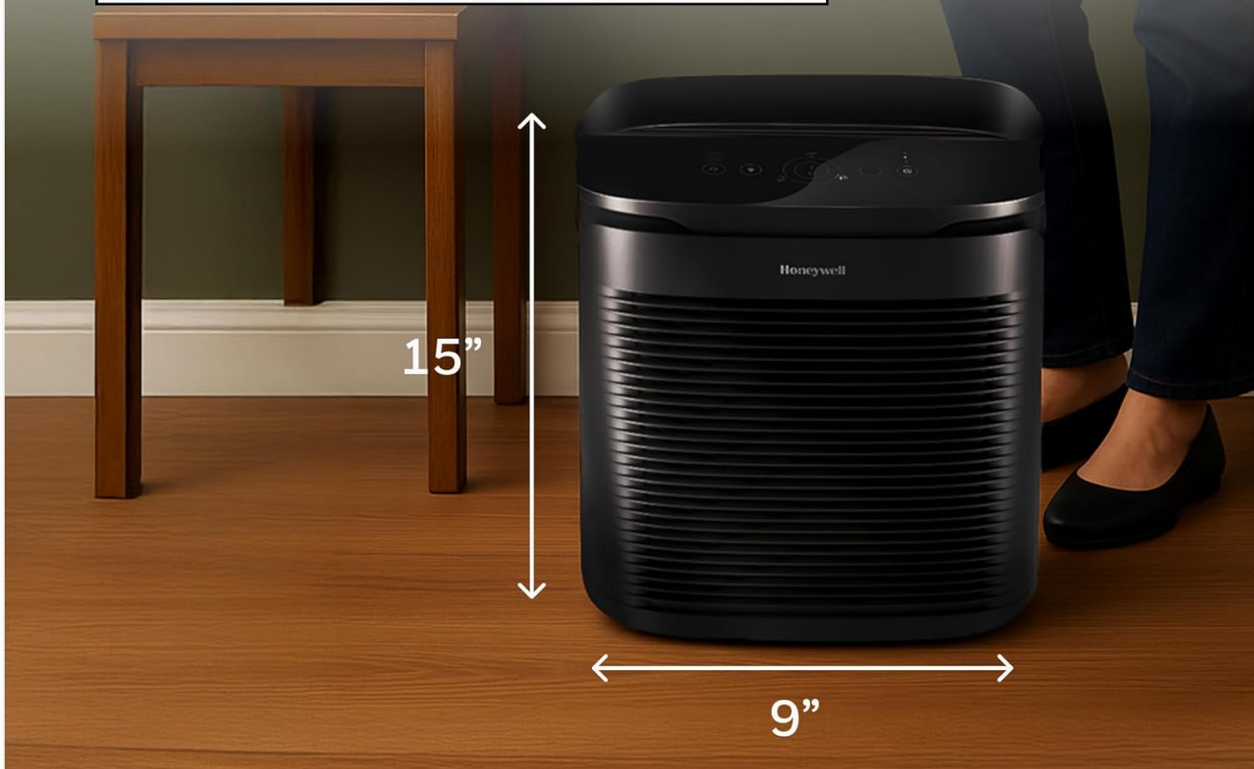


Image 8.1: Dimensions of the air purifier and recommended room size for effective air changes.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Honeywell PowerPlus HEPA Air Purifier HPA3100 comes with a **5-year limited warranty**. Please refer to the warranty card included with your product for full terms and conditions.

9.2 Customer Support

For technical assistance, replacement parts, or general inquiries, please visit the official Honeywell website or contact their customer support line. Contact details can typically be found on the product packaging or the Honeywell website.