

Philips AC0920

Philips AC0920 Smart Air Purifier User Manual

Model: AC0920

1. INTRODUCTION

Thank you for choosing the Philips AC0920 Smart Air Purifier. This device is designed to provide clean and healthy air in your home by effectively removing pollutants, allergens, and fine particles. Please read this manual carefully before using the appliance and retain it for future reference.



A front view of the Philips AC0920 Smart Air Purifier, a compact white cylindrical device with a grey top panel and air intake grilles on the lower front.

2. SAFETY INFORMATION

Before using the appliance, carefully read this user manual and save it for future reference. Observe all safety

warnings to prevent electric shock, fire, injury, or damage.

- Do not block the air inlet or outlet.
- Ensure the appliance is placed on a stable, level surface.
- Keep the appliance away from water or other liquids.
- Do not insert objects into the air outlet or inlet.
- Unplug the appliance before cleaning or performing maintenance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

3. PRODUCT OVERVIEW

3.1 Components

- Control Panel with AQI Display
- Air Outlet
- Main Unit Housing
- Air Inlet (360° suction)
- Filter Compartment Cover
- NanoProtect HEPA Filter (integrated with Pre-filter)

3.2 Key Features

- **Real-Time AQI Display:** Monitors and displays air quality in real-time.
- **2-Layer HEPA Filtration:** Captures 99.97% of particles as small as 0.003 microns, including viruses, allergens, dust, and PM2.5.
- **360° Air Suction:** Ensures comprehensive pollutant removal from all directions.
- **Quiet Operation:** Operates at 20.5 dB in sleep mode, suitable for bedrooms.
- **Energy Efficient:** Consumes up to 21W, less than a traditional light bulb.
- **AeraSense Technology:** Scans air 1000 times per second for intelligent auto mode adjustment.



An infographic highlighting the key advantages of the Philips AC0920 Air Purifier, including coverage up to 300 sq.ft, CADR of

250 m³/h, quiet sleep mode, AeraSense real-time AQI display, 99.97% particle removal, 99.99% allergen capture, low energy consumption, and 23% recycled plastic.

4. SETUP

4.1 Unpacking

1. Remove the air purifier from its packaging.
2. Remove all packaging materials, including any protective film or tape.

4.2 Filter Installation

The Philips AC0920 uses a combined NanoProtect HEPA filter with an integrated pre-filter. Ensure it is properly installed before first use.

1. Turn the appliance upside down.
2. Rotate the filter compartment cover counter-clockwise to unlock and remove it.
3. Remove the combined filter from the appliance and discard any protective plastic packaging from the filter.
4. Insert the filter back into the appliance.
5. Replace the filter compartment cover and rotate it clockwise to lock it securely.



A diagram illustrating the 2-layer HEPA filtration system of the Philips Air Purifier, showing the pre-filter capturing larger particles and the HEPA NanoProtect filter capturing 99.97% of particles as small as 0.003 microns.

4.3 Placement

- Place the air purifier on a firm, level surface.
- Ensure there is at least 20 cm (8 inches) of free space around the appliance for optimal airflow.
- Keep the appliance away from direct sunlight and heat sources.

4.4 Power Connection

Plug the power cord into a wall outlet. The appliance will emit a sound, and all indicators will light up briefly before turning off, indicating it is in standby mode.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- To turn on the appliance, press the power button. The appliance will operate in Auto mode by default.
- To turn off the appliance, press the power button again.

5.2 Fan Speed and Modes

Press the fan speed button to cycle through the available modes:

- **Auto Mode:** The appliance automatically adjusts the fan speed based on the real-time air quality detected by the AeraSense sensor.
- **Sleep Mode:** The appliance operates at a very low fan speed with reduced display brightness for quiet operation, ideal for nighttime use (20.5 dB).
- **Manual Speed:** Select from various fan speeds (e.g., Speed 1, Speed 2, Turbo) for desired purification intensity.



Fast purification

215 sqft	700 sqft
12 min	38 min

12 min

Purifies a bedroom in <12 minutes*

*T&C Apply. From the air that passed through the filter. It is a theoretical time for one-time cleaning calculated by dividing the room size of 48m³ by CADR 250 m³/h (assuming the room is 20m² in floor area and 2.4 m in height).

An image depicting the Philips Air Purifier operating in a bedroom, demonstrating fast purification that cleans a 215 sq.ft room in 12 minutes and a 700 sq.ft room in 38 minutes.



An illustration showing the Philips Air Purifier operating in sleep mode at an ultra-quiet 20.5 dB, significantly quieter than a whisper (30 dB) or a quiet library (40.5 dB).

5.3 AQI Display Interpretation

The control panel displays the real-time Air Quality Index (AQI) or PM2.5 level, providing immediate feedback on your indoor air quality. The color ring around the display also indicates air quality:

- **Blue:** Good air quality
- **Blue-Purple:** Fair air quality
- **Purple-Red:** Unhealthy air quality
- **Red:** Very unhealthy air quality



A visual representation of the Philips Air Purifier's AeraSense technology, showing blue light rays scanning the air 1000 times per second to automatically adjust purification settings.

6. MAINTENANCE

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

6.1 Cleaning the Exterior

- Wipe the surface of the appliance with a soft, dry cloth.
- Do not use abrasive cleaning agents or solvents.

6.2 Cleaning the Pre-filter

The pre-filter captures larger dust and hair particles. It should be cleaned regularly, approximately every 2-4 weeks, or when indicated by the appliance.

1. Unplug the appliance.
2. Remove the filter compartment cover and the combined filter.
3. Gently clean the surface of the pre-filter (the outer layer of the combined filter) with a soft brush or vacuum cleaner.
4. Reinstall the filter and cover.

6.3 HEPA Filter Replacement

The NanoProtect HEPA filter has a lifespan of up to 9000 hours, depending on usage and air quality. The appliance will indicate when the filter needs replacement (e.g., 'A3' message or filter replacement indicator light).

1. Unplug the appliance.
2. Remove the filter compartment cover and the old combined filter.
3. Dispose of the used filter responsibly.
4. Insert a new Philips NanoProtect HEPA filter (model specific for AC0920) into the appliance. Ensure all packaging is removed from the new filter.
5. Replace the filter compartment cover and lock it.
6. Plug in the appliance and reset the filter lifetime counter by following the instructions in the appliance's display or manual.

7. TROUBLESHOOTING

If you encounter issues with your air purifier, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Appliance does not turn on	Power cord not plugged in; Power outlet not working	Ensure power cord is securely plugged in; Try a different power outlet
Air quality does not improve	Filter is dirty or expired; Room size too large; Air inlets/outlets blocked	Clean or replace filter; Ensure appliance is suitable for room size; Check for obstructions
Unusual noise	Filter not installed correctly; Foreign object inside	Reinstall filter correctly; Unplug and check for foreign objects
Filter replacement indicator remains on after replacement	Filter lifetime counter not reset	Reset the filter lifetime counter as per manual instructions

If the problem persists after trying these solutions, please contact Philips customer support.

8. SPECIFICATIONS

Technical specifications for the Philips AC0920 Smart Air Purifier.

- **Model Number:** AC0920/60
- **Color:** White
- **Product Dimensions (D x W x H):** 23.8 x 24 x 36.4 cm
- **Item Weight:** 2.5 kg
- **Floor Area Coverage:** Up to 300 sq.ft (36 m²)
- **Clean Air Delivery Rate (CADR):** 250 m³/h
- **Noise Level (Sleep Mode):** 20.5 dB
- **Maximum Power Consumption:** 21W
- **Controller Type:** Button Control
- **Filtration:** 2-Layer NanoProtect HEPA (integrated Pre-filter)
- **Specification Met:** RoHS Certified

- **Included Components:** Air Purifier, HEPA + Pre-Filter



An image symbolizing the low energy consumption of the Philips Air Purifier, showing a power plug connected to a globe, indicating its energy efficiency with a maximum consumption of 21W.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This Philips AC0920 Smart Air Purifier comes with a **2-year brand warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your purchase receipt as proof of purchase.

The warranty does not cover:

- Damage caused by improper use or negligence.
- Normal wear and tear, including filters (filters are consumable items).
- Damage caused by unauthorized repairs or modifications.

9.2 Customer Support

For further assistance, product registration, or to find replacement filters, please visit the official Philips support website or contact their customer service helpline. You can find contact details on the Philips website or in the documentation included with your product.

For more information, visit: www.philips.com/support

