



Philips PureProtect Water 3400 Series Smart 2-in-1 Air Purifier and Humidifier

AC3420/10

- Purifies rooms up to 78 m²
- HEPA & Active Carbon filter
- 650 ml/h humidification
- 3.2 L water tank

Clean air and ideal humidity in minutes

Humidifies the air naturally and hygienically

- Thorough cleaning of rooms up to 78 m²
- 3 layer HEPA filtration traps 99.97% of the smallest particles
- Automatic humidification of up to 650 ml/h
- Hygienic humidification with NanoCloud technology
- Effectively reduces viruses like H1N1 (flu) from the air
- Sleep mode for ultra-quiet operation
- Lower energy consumption than a light bulb
- Intelligently senses and adapts to your indoor air quality
- Control your purifier anywhere with the Philips Air+ app
- Traps smells and gas pollutants
- 3.2 L water tank for continuous humidification up to 15 h
- Long-lasting filter for up to 1 year
- Night light for good sleep environment

*(1) CADR tested according GB/T18801-2022. Suitable purification area calculated to NRCC-54013 standard.

** (2) Calculated: 48 m³ room, CADR of 300 m³/h

*** (3) From the air that passes through the filter, tested to DIN71460 with NaCl aerosol 0.003 µm and 0.3 µm, iUTA

**** (4) Tested by CVC according to GB/T 23332-2018. Initial temperature of 23±2°C and relative humidity of 30±2% RH

***** (5) Vs. standard ultrasonic humidifiers without additional technology to reduce the spread of bacteria, as tested by an independent lab

***** (6) Microbial Reduction Rate Test by Airmid Healthgroup Ltd. with influenza (H1N1) in 28.5 m³ test chamber, using turbo mode for 30–40 min

***** (7) Tested to GB21551.3-2010 with S. Albus, 30 m³ chamber, 1 h, Turbo mode, third-party lab

***** (8) Microbial Reduction Rate Test by Antimikrop with SARS-CoV-2 in 30 m³ test chamber, using turbo mode for 1 h.

***** (9) Sound pressure, IEC 60704, at 1.5 m.

***** (10) External lab test to GB/T 18801-2022 with TVOC, Toluene and NO₂: 30 m³ room, Turbo mode for 2 h.

***** (11) Lifetime of filter depends on the air quality and usage.

Purifies rooms up to 78 m², HEPA & Active Carbon filter, 650 ml/h humidification, 3.2 L water tank

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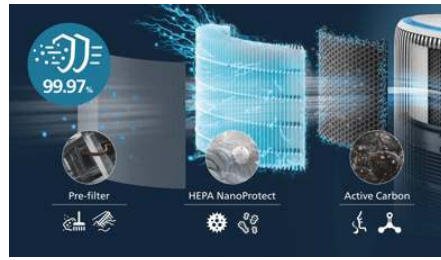
Highlights

Purifies rooms up to 78 m²



The unit's airflow reaches every corner of the room with an air purification rate (CADR) of 300 m³/h. It can easily handle large spaces of up to 78 m² (1) and can clean a room of 20 m² in less than 10 minutes (2).

3 layer HEPA filtration



3 layer filtration made of a pre-filter, HEPA NanoProtect and Active Carbon captures 99.97% of particles as small as 0.003 microns (3) — smaller than the smallest known virus!

Humidification rate 650 ml/h



Combat dry air symptoms such as dry skin, chapped lips, irritated nose or throat with rapid humidification up to 650 ml/h (4). The humidity is detected and automatically adjusted to your desired setting.

NanoCloud technology



No technology releases cleaner water vapour than NanoCloud. Its ultra-fine mist is invisible to the naked eye and extremely difficult for bacteria or residue to adhere to. Humidify air with up to 99.9% fewer bacteria released than standard ultrasonic humidifiers; safe to use with tap water. (5)

Captures viruses from the air



Removes 99.9% of airborne viruses and bacteria. Independently tested to eliminate H1N1 influenza virus (6), Staphylococcus bacteria (7) and 99.97% of SARS-CoV-2, the cause of COVID-19 (8).

Sleep mode for quiet operation



Enjoy undisturbed sleep with our innovative purifier. In Sleep mode, it operates only at 16.5 dB (9), quieter than a whisper. Also, the digital display light is dimmed, minimising any light disturbance.

Low energy consumption



Enjoy cleaner air while keeping your energy bill low. At maximum power, the air purifier uses only 43 W — less energy than a traditional light bulb.

Smart air quality sensors



AeraSense technology scans the air 1000 x a second to detect harmful pollutants and intelligently selects the best setting. It displays the air quality in real time (PM_{2.5}), as well as the level of humidity.

Smart control with Air+ app



Pair the air purifier with the Air+ app for indoor and outdoor air quality monitoring, remote control and voice commands via Google and Alexa. In the app, select Auto+ mode for AI technology that adapts to your routine while minimising noise and energy use.

Specifications

General Specification

Product Type: 2-in-1 Air Purifier and Humidifier
Technology: HEPA NanoProtect, Evaporative humidification
Colour: Arctic White
Primary Material: Plastic
Secondary Material: Recycled Plastic (~30%)
Internet connectivity: Yes
Wi-Fi range: 2.4 GHz
Voice control: Yes (Google, Alexa)
Capacity Water tank: 3.2 L

Technical Specifications

Maximum power: 43 W
Air quality sensors: PM2.5, Temperature, Humidity
Min. sound level: 16.5 dB(A)
Max. sound level: 51 dB(A)

Performance

CADR (Clean air delivery rate) (particle, GB/T): 300 m³/h
Filter layers: HEPA, Active Carbon, Pre-filter
Particle filtration: 99.97% at 0.003 microns
Humidification rate: 650 ml/h
Max. room size: 78 m²

Energy efficiency

Stand-by power consumption: <2 W
Voltage: 100-240 V
Frequency: 50/60 Hz

Maintenance

Warranty: 2 years

Compatibility

Included Accessories 1: 3-in-1 HEPA filter
Included Accessories 2: Humidification filter
Related Accessories 1: FY3400
Related Accessories 2: FY3401

Country of Origin

Produced In: China

Safety feature

Child lock: Yes

Weight and Dimensions

Product Height: 52 cm
Product Weight: 6.5 kg
Product Width: 28.5 cm
Product Length: 28.5 cm
Package Length: 34.5 cm
Package Width: 34.5 cm
Package Height: 56.3 cm
Package Weight: 8.1 kg

Usability

Cord length: 1.8 m
Scheduler: Yes (in app)
Automatic mode: Yes
Sleep mode: Yes
Speed settings: Yes (5 levels)
Ambient night light: Yes
Air quality feedback: Colour ring, numerical
Interface: Digital (touch)
Recommended filter change: 1 year/6 months
Water tank empty alert: Yes

