

PHILIPS

2-in-1 air purifier
and humidifier

Series 3000

Remove 99.97% particles@3nm

Air quality & humidity display

Up to 80 m²/861 ft²

Auto, Sleep mode & app



AC3821/20



Breathe the difference

Remove 99.97% allergens and dry air discomfort

Visualize your air improvement with digital feedback. This 2-in-1 purifier and humidifier balances its two functions to perform in rooms up to 80 m² against allergens, dry air discomfort, harmful gases, particles, bacteria & viruses.

Superior performance in rooms up to 80 m²

- Removes 99.97% of particles as small as 0.003 microns
- Hygienic humidification up to 600 ml/h
- Removes bacteria & viruses
- Choose 2-in-1 or Purifier Only mode

Visual air quality feedback

- IAI display shows risk level of indoor allergens
- Real-time digital display of indoor PM2.5 levels

Designed for you

- 3 auto modes: General, Allergen, and Sleep
- 4 pre-set humidity levels
- Ultra-quiet for a good night's sleep
- Energy and cost efficient, less than 1 kWh per day
- Easy move around with four casters

Highlights

Superior particle removal

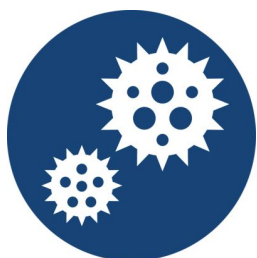


Cutting-edge VitaShield IPS purification technology is proven to reduce 99.97% ultra-fine particles as small as 0.003 microns (800 times smaller than PM2.5), including viruses, bacteria, pollen, dust, and pet dander. It provides superior particle clean-air delivery rate (CADR) of 310 m³/h. In a room of 20 m², it can purify the air in less than 10 minutes, so the air gets cleaned more than 6.5 times an hour.

Hygienic humidification

NanoCloud technology uses a natural and hygienic evaporation process to ensure superior performance up to 600 ml/h. Once the water is evaporated, the water mist becomes invisible and the smaller molecules are less able to carry bacteria into the air. Our laboratory testing confirms that NanoCloud technology spreads 99% less bacteria than leading ultrasonic humidifiers. It also prevents wet spots and white dust.

Reduces bacteria and viruses



Optimized purification function effectively detects and reduces bacteria and viruses, such as H1N1 (influenza), for cleaner air and a healthier home.

2 usage scenarios

Switch between 2-in-1 and Purifier Only modes at the touch of a button. Choose 2-in-1 for cleaner air without dry air discomfort during dry seasons. Purifier Only mode turns off the humidification function when it isn't required.

Indoor air allergen index



AeraSense technology detects your indoor air allergens and displays the potential risk level of the air allergens on a scale from 1 to 12.

Indoor PM2.5 numerical display



A professional-grade sensor with AeraSense technology accurately detects and quickly respond to even the slightest particle change in the air, providing reassurance with real-time PM2.5 feedback.

3 auto modes



This product has 3 automatic purification settings: General mode, extra-sensitive Allergen mode, and Sleep mode. In Sleep

mode, display lights are dimmed and the fan switches to its lowest speed. Choose a mode to optimize performance to suit your needs.

4-level humidity settings

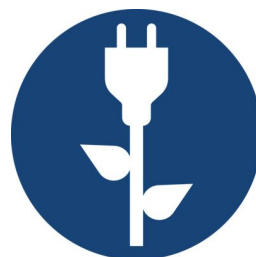
Maintain a constant humidity level with the automatic humidity settings. Choose 40%, 50%, or 60% as your target humidity level, and the humidifier will automatically turn on or off to reach the desired humidity level.

Ultra-quiet operation



Unique aerodynamic design allows maximum performance with minimal noise. In Sleep mode, it operates in near silence for cleaner, more comfortable air while you sleep.

Low energy consumption



This product is energy and cost efficient, requiring less than 1 kWh per day.

Easy move around with casters

It is also equipped with four casters, which makes it even easier to move around.

Specifications

Performance

Room size: 80 m²

CADR (Particle): 310 m³/h

0.3µm particle removal: 99,97 %

Ultra fine particle removal: 99.97% as small as 3 nm

Filters out H1N1 Virus: 99.9 %

Filters out bacteria: 99.9 %

Features

VitaShield IPS

AeraSense technology

Air Quality feedback: Numerical

PM2.5 sensor

Modes: 3 auto modes

Aerodynamic design: Back inlet

Fan speed: 4 manual speed settings

Child lock

Healthy air lock & Alert

Timer: 1~9 hour(s)

Motor: DC

Design and finishing

Color(s): White

Color of control panel: Black 7 C

Control panel type: Touch Panel

Material of main body: ABS

Technical specifications

Voltage: 220 V

Frequency: 50/60 Hz

Cord length: 1.8 m

Country of origin

Country of origin: China

Sustainability

Packaging: > 90% recycled materials

User manual: 100% recycled paper

Service

2-year guarantee

Logistic data

12NC code: 8834 821 20280

EAN F-box: 8710103829294



* CADR: tested by third party according to GB/T 18801-2015

* Room size: Calculated according to GB/T18801-2015.

* Humidification rate: Tested by GB/T 23332 in Philips internal climate chamber, 2017. Chamber size 25m², initial temperature of 20±2°C and relative humidity of 30±3%RH.

* Tested on the filter media with NaCl aerosol, classified at 3nm according to DIN71460-1, in 2017 by third party test lab.

* Tested on the filter media with 1 pass efficiency at 5.33cm/s airflow, in 2017 by third party test lab.

* Reduce bacteria: Tested by Shanghai Institute of Measurement and Testing Technology (SIMT) in 30m³ chamber according to GB21551.3-2010, (Staphylococcus albsp) 8032 as testing bacteria

* Microbial Reduction Rate Test conducted at Airmid Healthgroup Ltd. tested in a 28.5m³ test chamber contaminated with airborne influenza A(H1N1).

* Generates nano-sized water molecules, prevents spreading bacteria. Results are based on emission of the bacterium Staphylococcus Albus(a simulant for a relevant pathogen) directly from clean units and clean wick filters, using sterilized water spiked with said bacterium.

* Measurements were conducted after 20g was released from the units into a sealed 30 m³ chamber. Bacteria introduction into the air in the room depends on many factors such as room size or configuration.

* Prevent spreading white dust or wet spots: Independent third-party test Determination of deposition of minerals from liquid droplets on furniture, according to DIN 44973, IUTA e.V. To determine mineral deposits onto furniture from airborne liquid droplets over a period of 3 hours.

* Professional grade sensor: Benchmark with Grim sensor and comparison with industry infra-red sensor.