



Philips
Air Cleaner

25-79m² room size
Numerical air quality feedback



AC2887/10

Healthier Air, Always

AeraSense, making the invisible visible

AeraSense is an innovative technology with the accuracy and performance of a professional sensor. It senses harmful particles smaller than even PM2.5, ensures the purifier adjusts for cleaner air output and provides real time feedback.

High performance from start to finish

- AeraSense detects, measures and controls purification
- VitaShield naturally purifies UFP as small as 0.02microns
- 3 smart presettings for different airborne pollutants
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- 3 smart presettings for different airborne pollutants
- Aerodynamic architecture boosts efficient airflowAerodynamic

Reassurance of consistent clean air delivery

- Real time indoor PM2.5 numerical feedback
- Healthy air lock and alert for filter replacement

Designed for better user experience

- Low noise at Sleep Mode (20.5dba) - soft as a whisper
- Smart light control: adjust light to suit your preference

Global Certification for quality assurance

- AHAM (US), Ecarf (EU) and Airmid (US) Certified

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Highlights

AeraSense technology

AeraSense is a professional-grade sensor that accurately identifies fine particles that are even smaller than PM2.5 (including most common indoor airborne allergens). It then processes this information to ensure that the purifier's settings are at the ideal level for current air conditions, and for continuous re-assurance. Then gives you feedback of real time indoor air quality by showing PM2.5 level.

Low noise



When in Silent Mode, the Purifier turns down its fan speed and noise level to allow a comfortable night's sleep. The lights on the Purifier can also dimmed and/or turned off to suit your preference.

Real time feedback



The numerical PM2.5 indicator and the 4-step color ring provide real time feedback of your indoor air quality.

Smart light control



Both AQI and the light on the UI can be dimmed and/or turned off avoid light disturbance for consumers.

VitaShield IPS technology

VitaShield IPS with its aerodynamic design and NanoProtect Filter has a boosted clean air delivery rate up to 344 m³/hr* (according to China GB/T 18801-2015). It can effectively remove ultra-fine particles as small as 20nm, effectively reduce harmful gases such as formaldehyde, TVOC and odor. Removes up to 99.9% bacteria and virus*.

Aerodynamic design

Aerodynamic architecture boosts efficient airflow

Allergen Mode



The Allergen Mode includes a special event-detection algorithm from AeraSense - a professional grade sensor that can detect daily events such as shaking pillow or a vacuum cleaner passing by. After accurately detecting these events, the purifier will automatically

gives an extra boost to airflow to instantly reduce the risk level of allergens to a minimum.

Bacteria & Virus Mode

Bacteria & Virus particles are the ones seldom detected by air sensors. Hence the most effective way to reduce these particles is to significantly boost the airflow and increase the air exchange per hour. This mode boosts the Air flow, then the high quality HEPA filter in the Purifier effectively captures the bacteria and virus by 99.9%, ensuring cleaner air output.

Pollution Mode



Indoor PM2.5 levels can increase far above local guidelines because of activities like cooking. Our advanced sensing technology - AeraSense, accurately detects invisible indoor air pollutants in real time, and then auto-boosts the Air Purifier's speed to reduce harmful particles, gases, for a cleaner air output.

Global Certification

Ecarf (EU) and Airmid (US) Certified

Healthy air protect

With advanced Aerasense technology, the filter lifetime is accurately calculated based on indoor pollution level, air flow and operation time. The healthy air protect alert lets you know promptly when it is time to replace the filter. If the filter is not replaced promptly, the appliance stops functioning - to avoid ineffective purification. So you are assured of healthier air always.

Specifications

Design and finishing

- Air quality sensor(s): Aerasense PM2.5 sensor
- Color of control panel: Black
- Fan speed indicators: Silent, Speed 1, 2, 3, Turbo
- Material of main body: Plastic
- Color(s): White

Performance

- Filters out PM2.5: in one hour, >99 %
- Filters out viruses: in 0.5 hr, 99.9 %
- CADR (cigarette smoke): 333 m³/h

Technical specifications

- Cord length: 1.6 m
- Effective area: 24~41 m²
- Frequency: 50/60 Hz
- Power: 11~60 W
- Sound level: 20.5-51 dB(A)
- Voltage: 220-240 V

Country of origin

- Made in: China

Replacement

- AC filter: FY2420
- HEPA filter: FY2422

Sustainability

- Stand-by power consumption: <0.5 W

Weight and dimensions

- Dimensions of packaging (LxWxH): 412 x 294 x 612 mm
- Dimensions of product (LxWxH): 359 x 240 x 558 mm
- Weight incl. packaging: 9.3 kg
- Weight of product: 7.7 kg



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* Particle CADR: tested by third party according to GB/T 18801-2008
* 20 Nanometers: Tested by IUTA. According to 2008 Microbiological Risk Assessment Report of the World Health Organization (WHO), the avian influenza, human influenza viruses, Legionella, Hepatitis viruses and SARS coronavirus are larger than 20 nanometer (0.00002 mm).
* Removes 99.97% particles: Tested in 2015 by 3rd party lab
* Bacteria and Virus removal performance is tested by 3rd party lab. Refer to item 1 for bacteria performance test details and item 2 for virus removal test details.
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