

Philips Philips 5000B series Air Cleaner

Particle CADR*: 400

Particle CCM*
Formaldehyde CADR*
Aerasense technology



AP5566/00

Healthier Air Always

with Vitashield IPS and Aerasense air technology

Philips innovative VitaShield IPS technology can naturally remove as small as 20nm fine particles and harmful gases effectively in long term. World-class Aerasense assures you with healthier air by real time PM2.5 feedback.

Healthier Air

- Special Gas auto mode with gas sensor and indicator
- Extra thick 60mm NanoProtect Pro S3 Filter
- Vitashield IPS with superior performance of 400m3/hr CADR
- Best-in-class Aerasense sensing technology

Always

- Longer lifetime performance higher than new GB/T standard
- Certified or tested by ECARF and Airmid*
- Healthy air protect alert for filter life time with accurac
- Real time PM2.5 feedback and 4 color AQI light

Design for you

- Large handle for easy carry around
- Sensor touch UI with big numerical display
- Ultra silent under sleep mode with only 33db

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Highlights

VitaShield IPS

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Vitashield IPS with aerodynamics design and extra thick NanoProtect Pro S3 Filter boost clean air delivery to 400 m3/hr, effectively removes particles as small as 20 Nanometers* (more than 100 times smaller than PM2.5), including allergens, bacteria and some viruses. It also provides you the assured protection from harmful gases like formaldehyde, toluene and TVOC, with formaldehyde CARD XXXm3/hr and TVOC CADR XXXm3/hr

World-class Aerasense

AeraSense

Advanced Aerasense technology, benchmarked with professional sensor, provides cleaner air with up to 8 times* less chance of error in indicating air quality level is safe, compared to today's industry commonly used Infrared LED sensor.

NanoProtect Pro S3 Filter

NanoCloud

The extra thick NanoProtect Elite filter is designed for superior purification efficiency and lifetime against airborne particles. Multi-layer integrated filter for all-in-one 360 protection. The ever-finer filter effectively removes ultrafine particle as small as 20nm , more than 100X smaller than PM2.5, including bacteria and some viruses High efficiency purification removes 99.97% particles*, dense and thick filter for 50%* longer lifetime.

Gas mode

Specially designed Gas mode can effectively remove harmful gases. Special gas sensor and active carbon captures and breaks down formaldehyde into harmless substances Active carbon nano-sized pores form absorption surface area of 100 football field size*, for high efficiency and lifetime on TVOCs purification

CCM performance

Longer lifetime performance higher than new GB/T standard

Real time numerical PM2.5



The numerical PM2.5 indicator together with 4-step color ring feedback provides real time indoor air quality.

Healthy air protect



With advanced Aerasense technology, the filter lifetime is accurately calculated based on indoor pollution level, air flow and operation time. 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 running with no effect since filter not effective. So you are assured of healthy air always.

Certifications



Certified or tested by ECARF and Airmid*

Sensor touch

Sensor touch UI with big numerical display

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Specifications

Design and finishing
- Air quality sensor(s): Aerasense PM2.5 sensor
- Fan speed indicators: Silent, Speed 1, 2, 3, Turbo
- Material of main body: Plastic
- Color(s): Grey

Performance
- CADR (cigarette smoke): 400 m³/h
- 0.3µm particle removal: 99.97 %

Technical specifications
- Effective area: 28-48 m²
- Frequency: 50 Hz
- Power: 11~65 W
- Sound level: 32~61 dB(A)
- Voltage: 220 V

Country of origin
- Made in: China

Sustainability
- Stand-by power consumption: <0.5 W

Replacement
- Integrated filter: AP5056/00

Issue date 2016-06-20

Version: 3.0.1

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* football size: Activated carbon media measured by 3rd party lab, shows most of the pores size are 1nm ¡§C 2nm, and AC surface area of the activated carbon is 400m2/g. Filters' total Active Carbon surface area of 60 football field size is based on int'l standard football field size.
* 50% longer lifetime: compares Philips general health series HEPA filter and activated carbon material, tested in 2015 by 3rd party lab
* Particle and formaldehyde CADR and CCM: tested by third party according to GB/T 18801-2008
* 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).
* 8 times less chance: The test was conducted by Philips Research in 2014, and data is analyzed using statistics method.