IQ AIR A100 AIR CLEANER

Product Summary

The Ultra Fine Particle Specialist

Ultra high-performance particle control in a compact design. The A100 features the same advanced micro- and nano-particle filter technologies as the HealthPro models, but in a smaller housing to make it more suitable for smaller areas. The A100 effectively removes every type of particulate air pollutant with the same ultra high efficiency as the larger models, including all common allergens, microorganism and all types of dust. This makes the A100 the ideal choice for high-efficiency particle removal in a compact size. (The A100 cleans an area up to 75 m2.)

The HyperHEPA® difference

Most air purifiers only filter particles larger than 0.3 microns in size, but 90% of all ultra fine particles are smaller than 0.3 microns. This means that most air purifiers are only filtering 10% of the particles in your air. IQAir's patented HyperHEPA filters are the first filters tested and certified to filter down to 0.003 microns with a guaranteed minimum efficiency of over 99.5%. This allows your A100 to capture the ultra fine particles that other air purifiers miss.

Applications Include

Particulate air pollution control

- Fine dust & particle control
- Wild-fire smoke particles

Microorganism control

- Bacteria
- Viruses

Featured Filter Technology

1. **Micro-particle filtration**

   Eliminates micro-particles such as dust, pollen, pet dander and mould spores.

2. **HyperHEPA® filtration**

   Eliminates bacteria, viruses and combustion particles from vehicles and smoke, through a nano-fiber structure. IQAir's patented HyperHEPA filters are certified to remove 99.5% of all particulate down to 0.003 microns in size.

Technical Specifications: IQAir® Allergen 100

Specifications

Air delivery per fan speed (in m³/h)*	1: 40 2: 70 3: 110 4: 150 5: 240 6: 380
Weight (incl. filters)	ca. 12 kg
Power requirements	220-240 V / 50-60 Hz
Energy consumption	ca. 20 - 160 W
Dimensions (H x W x D)	61 x 38 x 41 cm
Fan motor	centrifugal, backward curved, with thermal protector, non-stop use approved
Control panel	4-key touch-pad with 16 character 2-line LCD display
Air intake	dual arches at base of unit
Air outlet	320° EvenFlow™ diffuser
Colour of main housing / locking arms	light grey / white
Housing material	non-offgasing, impact-resistant, UV-stabilized ABS

Performance

Total system efficiency (certified)	≥ 99.97% for particles ≥ 0.3 microns (µm)
Air delivery (certified)	yes
Leak tested	yes
EN1822 type-tested	yes
EN1822 classification	HEPA class H13, MPPS efficiency: ≥ 99.95% @ 0.22µm at airflow rate ≤ 190 m³/h HEPA class H12, MPPS efficiency: ≥ 99.50% @ 0.16µm at airflow rate ≤ 475 m³/h

Filter Configuration

Pre-filter	**Type:** PreMax™ large capacity, high accumulation pre-filter **Purpose:** control of coarse and fine dust particles; protection of subsequent filters **Media type:** ASHRAE 85% high-accumulation media, 55% efficient at ≥ 0.3 µm **Surface area:** 2.8 m²
HEPA-filter	**Type:** HyperHEPA® cleanroom grade high-efficiency particulate arresting filter **Purpose:** control of ultra-fine particles such as allergens, bacteria, fungal spores and viruses **Media type:** HEPA class H12/13; ≥99.97% efficient at ≥0.3 µm **Surface area:** 5.0 m²

Features

Multiple display languages	English, French, German, Italian (user-selectable)
User selectable fan speed settings	6
Intelligent filter life monitor	yes (monitors filter life of each individual filter)
Filter life status LEDs	2
Advanced timer	yes (allows programming of operating hours and weekdays)
Advanced fan speed selection	yes (allows programming of different fan speeds for 2 different time periods)
Adjustable filter load indices	2 (large dust and fine dust)
Supplied accessories	Remote control (including batteries), power cable
Electrical safety approved and certified	IEC/IECEE (CB-Scheme), CE, SEV, KTL ,PCBC, EZU (depending on electrical requirements)

All technical specifications are subject to change without prior notice.

* measured at 230V/50Hz; tolerance ± 10% (± 10 m³/h)