

Technical Specifications: *icleen® HealthPremium*

NE

General Specifications	
Power requirements	220-240 V, 50/60 Hz
Energy consumption *	1: 20, 2: 36, 3: 54, 4: 74, 5: 105, 6: 135 Watt; Standby: <1 Watt
Dimensions (without / with packaging)	H 71 x W 38 x D 41 cm / carton: H 84 x W 43 x D 45 cm
Weight (without / with packaging)	16 kg / 20 kg
Air delivery (incl. filters) *	1: 55, 2: 100, 3: 170, 4: 250, 5: 320, 6: 450 m ³ /h
Sound pressure/power level **	L _p 1: 22, 2: 33, 3: 41, 4: 47, 5: 52, 6: 57 dB(A); L _w 1: 32, 2: 43, 3: 51, 4: 57, 5: 62, 6: 67 dB(A)
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 / blue
Housing material	non off-gassing, impact-resistant, UV-stabilized ABS
Performance	
Total system efficiency (certified)	≥ 99.97% for particles ≥ 0.3 µm (individually tested at highest fan speed)
Air delivery (certified)	yes (individually tested with all filters fitted)
Leak tested	yes
EN1822 classification	HEPA class H13 (MPPS efficiency: ≥ 99.95% @ 0.22 µm at airflow rate ≤ 190 m ³ /h) HEPA class H12 (MPPS efficiency: ≥ 99.50% @ 0.16 µm at airflow rate ≤ 475 m ³ /h)
Filter Configuration	
Pre-filter	<i>icleen® Pre-Filter F8 (S) A</i> Purpose: control of coarse & fine particulate matter; protection of subsequent filters Media: antimicrobial non-woven glass microfiber, mini-pleated for high-capacity Efficiency: ≥ 55% at ≥ 0.3 µm (class F8) Surface area: approx. 2.8 m ²
Gas & odour filter	<i>icleen® PowerSorp™ Wide Spectrum Gas & Odour Filter</i> Purpose: control of a wide range of chemical contaminants and odours Media: activated alumina impregnated with KMnO ₄ & activated carbon (IA/4 + AC/4) Weight: approx. 3.2 kg
HEPA-filter	<i>icleen® HyperHEPA® Filter H13 (L) A</i> Purpose: control of fine & ultra-fine particulate matter incl. bacteria, viruses & mould spores Media: antimicrobial hospital-grade HyperHEPA® filter Efficiency: ≥ 99.97% at ≥ 0.3 µm (class H13) Surface area: approx. 5.5 m ²
Features	
Display languages	4 user-selectable languages: English, French, German, Italian (or Spanish)
Fan speed settings	6
Dual Impact Ioniser	7 KV negative ion generator with two carbon brushes
Intelligent filter life monitor	yes (monitors actual usage of each individual filter)
Filter life status LEDs	3
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	3 (large dust, chemicals and fine dust)
Supplied accessories	remote control (incl. batteries), power cord with plug, deluxe casters, certificate of performance
Electrical safety certification	IEC/IECEE (CB-Scheme), CE, SEV, KTL, EAC

* per fan speed measured at 230V, 50Hz; tolerance ± 10% (± 10 m³/h); ** tolerance: ± 3 dB(A); All technical specifications are subject to change without prior notice.