

# Technical Specifications: IQAir® Cleanroom 250 MG

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 <sup>3</sup> /h
Sound pressure/power level **	L <sub>p</sub> 1: 22, 2: 33, 3: 41, 4: 47, 5: 52, 6: 57 dB(A); L <sub>w</sub> 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 / green
Housing material	non off-gassing, impact-resistant, UV-stabilized ABS
Performance	
MPPS efficiency (according to EN1822)	≥ 99.95% at airflow rate ≤ 190 m <sup>3</sup> /h; ≥ 99.5% at airflow rate ≤ 475 m <sup>3</sup> /h
Total system efficiency (certified)	≥ 99.97% for particles ≥ 0.3 micron (µm)
Air delivery (certified)	yes
Leak tested	yes
Filter Configuration	
Pre-filter	<b>CR PreMax™ Filter F8 (S) A</b> 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 <sup>2</sup>
Gas & odour filter	<b>V5-Cell™ MultiGas: 2.5 kg activated carbon &amp; impreg. activated alumina (AC/4 + IA/4)</b> Purpose: control of a wide range or specific chemical contaminants and odours <b>Alternative gas phase filters (for retro-fitting):</b> <b>V5-Cell™ VOC:</b> approx. 2.3 kg granular activated carbon (AC/4) <b>V5-Cell™ CS:</b> approx. 3.9 kg granular impregnated alumina (IA/4) <b>V5-Cell™ AM:</b> approx. 2.7 kg granular impregnated activated carbon (AC/4-AM) <b>V5-Cell™ Hg:</b> approx. 2.7 kg granular impregnated activated carbon (AC/4-S)
HEPA-filter	<b>CR HyperHEPA® Filter H13 (L) A</b> 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 <sup>2</sup>
Features	
Display languages	4 user-selectable languages: English, French, German, Italian (or Spanish)
Fan speed settings	6
Anti-tampering arm lock	yes
Anti-tampering power cord	yes
HEPA replacement filter tested & certified	yes (test certificate supplied with replacement filter)
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. battery), power cord with plug, deluxe casters, certificate of performance
Optional accessories	<b>VMF</b> wall-mount bracket, <b>PF40</b> coarse dust pre-filter, <b>InFlow</b> , <b>VM InFlow &amp; OutFlow</b> duct connections, <b>FlexVac &amp; VM FlexVac</b> mobile & wall-mounted source capture kits, <b>SMC</b> side-mounted control panel
Electrical safety certification	IEC/IECEE (CB-Scheme), CE, SEV, KTL, EAC

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