

Technical Specifications: IQAir® Cleanroom H13

NE

General Specifications	
Power requirements	100-120 V, 50/60 Hz
Energy consumption, 6 fan speeds*	27, 53, 92, 121, 154, 215 Watt; Standby: <1 Watt
Dimensions	H 32" x W 15" x D 16" (H 82 x W 38 x D 41 cm)
Weight, system incl. filters	46 lbs. (21 kg)
Air delivery, incl. filters, 6 fan speeds*	45, 90, 150, 200, 250, 360 cfm (75, 150, 260, 340, 430, 610 m ³ /h)
Sound pressure/power level, 6 fan speeds**	L _p 25, 36, 44, 50, 54, 59 dB(A); L _w 35, 46, 54, 60, 64, 69 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 system
Air outlet	320° EvenFlow™ diffuser
Color of main housing / locking arms	light gray / green
Housing material	non off-gassing, impact-resistant, UV-stabilized ABS
Operating temperature / humidity	41° to 104° F (5° to 40°C) / 5% to 95% non-condensing
Electrical safety certification	CSA rated for continuous operation under applicable UL and CSA standards, BSMI
Medical device registration	U.S. FDA-registered as a "Class II Medical Device"; Registration No.: 2087558
Performance	
Total system efficiency	≥ 99.97% for particles ≥ 0.3 microns (indiv. tested at highest fan speed), ≥ 99.5% at ≥ 0.003 microns
Air delivery (certified)	yes (individually tested with all filters installed)
Leak tested	yes
EN 1822 classification	HEPA class H13 - MPPS efficiency: ≥ 99.95% @ 0.22 microns at airflow rate ≤ 112 cfm (190 m ³ /h) HEPA class H12 - MPPS efficiency: ≥ 99.50% @ 0.16 microns at airflow rate ≤ 280 cfm (475 m ³ /h)
Filter Configuration	
Pre-filter	CR PreMax™ Filter F8 (XL) A Purpose: control of coarse and fine particulate matter; protection of subsequent filters Media: antimicrobial glass microfiber, mini-pleated for high-capacity, non off-gassing separators Efficiency: ≥ 55% at ≥ 0.3 microns (EN 779 class F8) Surface area: 75 sq.ft. (7 m ²)*** Average filter life: approx. 2 ½ years (based on average daily usage of 10h on speed 3)****
Main particle filter	CR HyperHEPA® Filter H13 (XL) A Purpose: control of fine & ultra-fine particulate matter Media: antimicrobial glass microfiber, medical-grade HyperHEPA® filter, non-offgasing separators Efficiency: ≥ 99.97% at ≥ 0.3 microns (EN 1822 class H13) Surface area: 81 sq. ft. (7.5 m ²)*** Average filter life: approx. 4 ½ years (based on average daily usage of 10h on speed 3)****
Features	
Display languages	4 user-selectable languages: English, French, German, Spanish
Intelligent filter life monitor	yes (monitors actual usage of each individual filter), 3 filter life status LEDs
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)
Supplied accessories	remote control (incl. battery), power cord with plug, anti-tampering toolkit, certificate of performance
Optional accessories	FlexVac & VM FlexVac mobile & wall-mounted source capture kits, InFlow & OutFlow positive/negative pressure duct kits, Mobility 56 kit, PF40 coarse dust pre-filter, VMF wall-mount bracket.

* per fan speed measured at 120V, 60Hz; tolerance: ± 10% (± 6 cfm); ** tolerance: ± 3 dB(A); *** tolerance: ± 10% **** filter life can vary based on actual usage and pollution levels

All technical specifications are subject to change without prior notice.

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