

# Technical Specifications: IQAir® Cleanroom H13

Specifications	
Air delivery per fan speed*	40 cfm    70 cfm    120 cfm    160 cfm    180 cfm    280 cfm
Dimensions (H x W x D)	32" x 15" x 16"
Weight (incl. filters)	40 lbs. (18 kg)
Power requirements	120 Volt / 60 Hz
Maximum energy consumption	195 w
Fan motor	700 cfm, 2750 rpm, centrifugal, backward curved, UL/CSA registered
Control panel	4-key touch-pad with 32 character LCD display
Air intake	dual arches at base of unit
Air outlet	320° EvenFlow™ diffuser
Color of main housing / locking arms	light grey / green
Housing material	non-offgasing, impact-resistant, UV-stabilized ABS

Performance	
Performance certification	every system is factory certified and issued with individual Certificate of Performance
Certified filtration efficiency	greater than 99.97% for particles $\geq 0.3$ microns ( $\mu\text{m}$ )
Certified air delivery	+/- 10% (+10 cfm) of specified air delivery
Leak tested	yes

Filter Configuration	
Pre-filter	<p><b>Type:</b> PreMax™ antimicrobial high-accumulation, high-capacity particulate pre-filter</p> <p><b>Purpose:</b> control of coarse and fine dust particles and mold spores; protection of subsequent filter</p> <p><b>Media type:</b> ASHRAE class F8 (55% efficient at 0.3 <math>\mu\text{m}</math>); micro-pleat with solvent-free separators</p> <p><b>Surface area:</b> 60 sq.ft. / antimicrobial media</p> <p><b>Average Filter Life:</b> 6 – 18 months (based on 8 hours usage per day on speed setting 3)</p>
HEPA filter	<p><b>Type:</b> HyperHEPA®; antimicrobial hospital grade high-efficiency particulate arresting filter</p> <p><b>Purpose:</b> control of very fine particles such as allergens, bacteria and viruses</p> <p><b>Media type:</b> EN1822 HEPA class H13; mini-pleat with solvent-free separators</p> <p><b>Surface area:</b> 60 sq.ft. / antimicrobial media</p> <p><b>Average Filter Life:</b> 2 – 4 years (based on 8 hours usage per day on speed setting 3)</p>

Features	
Display languages	English (default), French, German, Spanish
User selectable fan speed settings	6
Intelligent filter life monitor	yes
Filter life status LED	yes
Programmable timer (hourly/daily)	yes, 6 speed settings, 2 time period programmable timer
Timer status LED	yes
Advanced anti-tampering	yes (to prevent unauthorized opening or disconnection)

Accessories	
Standard	remote control (battery included)
Optional	wall mount bracket, positive/negative pressure ducting, coarse dust pre-filter, mobility 56 for easy portability

Warranty	
Warranty period	1 year on parts and labor (excluding filters)