

Technical Specifications: IQAir® GC Series

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 28" x W 15" x D 16" (H 71 x W 38 x D 41 cm)
Weight, system incl. filters	MultiGas & AM: 44 lbs. (20 kg); VOC: 42 lbs. (19 kg); ChemiSorber: 48 lbs. (22 kg)
Air delivery, incl. filters, 6 fan speeds*	40, 75, 130, 170, 200, 300 cfm (70, 130, 220, 290, 340, 510 m³/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 / blue
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
Performance	
Total system efficiency (certified)	≥ 99% for particles ≥ 0.3 microns (individually tested), ≥ 95% at ≥ 0.003 microns
Air delivery (certified)	yes (individually tested with all filters fitted)
Leak tested	yes
Filter Configuration	
Pre-filter	GC HEPA Pre-Filter H11 (S) Purpose: control of coarse, fine & ultra-fine dust particles; protection of subsequent filters Media: non-woven glass microfiber HEPA filter, non off-gassing separators Efficiency: ≥99% at ≥ 0.3 microns (EN 1822 class H11) Surface area: 32 sq. ft. (3.0 m²)*** Average filter life: approx. 12 months (based on average daily usage of 10h on speed 3)****
Gas & odor filter	GC Filter Cartridge Set Purpose: control of a wide range or specific chemical substances and odors <i>Media options:</i> GC MultiGas™: 12 lbs. (5.4 kg) granular activated carbon & impregnated alumina (AC/4 + IA/4) GC VOC: 9 lbs. (4.2 kg) granular activated carbon (AC/4) GC ChemiSorber: 17 lbs. (7.8 kg) granular impregnated alumina (IA/4) GC AM: 12 lbs. (5.4 kg) granular impregnated activated carbon (AC/4-AM) Average filter life: approx. 2 ½ years (based on average daily usage of 10h on speed 3)****
Post-filter	GC Post-Filter Sleeve Set Purpose: control of fine & ultra-fine particulate matter Media type: electrostatically charged fiber Surface area: 5.4 sq.ft. (0.5 m²)*** Average filter life: approx. 2 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, deluxe casters, certificate of performance
Optional accessories	FlexVac & VM FlexVac mobile & wall-mounted source capture kits, InFlow & OutFlow positive/negative pressure duct kits, 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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