Technical Specifications: *IQAir® GC Series* 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 1: H 84 x W 43 x D 45 cm; carton 2: H 32 x W 33 x D 33 cm
Weight (without / with packaging)	***MultiGas, AM*** & ***AcidPro:*** 20 kg / 25 kg; ***VOC:*** 19 kg / 24 kg; ***ChemiSorber:*** 22 kg / 27 kg
Air delivery (incl. filters) *	1: 50, 2: 90, 3: 150, 4: 220, 5: 280, 6: 400 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% for particles ≥ 0.3 µm (individually tested at highest fan speed)
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 Efficiency: ≥99% at ≥ 0.3 µm (class H11) Surface area: 3.0 m^2
Gas & odour filter	***GC Filter Cartridge Set*** Purpose: control of a wide range or specific chemical substances and odours Media options: ***GC MultiGas*** ™: 5.4 kg granular activated carbon & impregnated alumina (AC/4 + IA/4) ***GC VOC***: 4.2 kg granular activated carbon (AC/4) ***GC ChemiSorber***: 7.8 kg granular impregnated alumina (IA/4) ***GC AM***: 5.4 kg granular impregnated activated carbon (AC/4-AM) ***GC AcidPro***: 5.4 kg granular impregnated activated carbon (AC/4-K)
Post-filter	***GC Post-Filter Sleeve Set*** Purpose: control of fine & ultra-fine particulate matter Media type: electrostatically charged fiber Surface area: 0.5 m^2
Features	
Display languages	4 user-selectable languages: English, French, German, Italian (or Spanish)
Fan speed settings	6
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	***VMF*** wall-mount bracket, ***PF40*** coarse dust pre-filter, ***InFlow, VM InFlow*** & ***OutFlow*** duct connections, ***FlexVac*** & ***VM FlexVac*** mobile & wall-mounted source capture kits, ***SMC*** 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^3/h); ** tolerance: ± 3 dB(A); All technical specifications are subject to change without prior notice.

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