

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	29 lbs. (13.3 kg)
Air delivery, incl. filters, 6 fan speeds*	40, 75, 140, 180, 220, 330 cfm (70, 130, 240, 310, 370, 560 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 / white
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	≥ 99.97% for particles ≥ 0.3 microns (individually tested), ≥ 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 m³/h) HEPA class H12 - MPPS efficiency: ≥ 99.50% @ 0.16 microns at airflow rate ≤ 280 cfm (475 m³/h)
Filter Configuration	
Pre-filter	PreMax™ Filter F8 (S) Purpose: control of coarse and fine particulate matter; protection of subsequent filters Media: non-woven glass microfiber, mini-pleated for high-capacity, non off-gassing separators Efficiency: ≥ 55% at ≥ 0.3 microns (EN 779 class F8) Surface area: 30 sq.ft. (2.8 m²)*** Average filter life: approx. 16 months (based on average daily usage of 10h on speed 3)****
Gas & odor filter	No gas & odor filter (Upgradeable with V5-Cell™ Filter MG)
Main particle filter	HyperHEPA® Filter H12/13 (L) Purpose: control of fine & ultra-fine particulate matter Media: non-woven glass microfiber, medical-grade HyperHEPA® filter, non-offgassing separators Efficiency: ≥ 99.97% at ≥ 0.3 microns (EN 1822 class H12/13) Surface area: 53 sq. ft. (5.0 m²)*** Average filter life: approx. 4 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, 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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