

QUARTZAIR® Technical Specifications

General Description and Features

Manufacturer: Surgically Clean Air® Model Name: QUARTZAIR® Weight: 10.60 kg Dimensions: (H) 23 in x (D) 12 in Colors Available: Powder Coated Metal Housing - White or Matte Black

Airflow up to 364 CFM / 618 m³/h

Hands free touchless control.

Lockable Control Panel to prevent setting changes.

Energy-optimized

Single point power connection

Ready for operation with minimal setup.



Internal Technologies Included

- Permanent Pre-Filter: Cleanable Fine Mesh Ultrafine
- Aerosol Particulate Filter: HEPA-Rx Activated Carbon:
- Broad spectrum adsorption Coconut Shell Activated
- Carbon Filter UV -C Bulb: Non-Ozone Producing 254 nm Doped Quartz Glass UV-C
- Revitalizing Negative ION Chamber: 3,000,000 ions/ cm³ Negative Ion Generator

Electrical Data

Rated voltage 1~ 120V; 60 Hz, 1.1A

Power Cord: 18AWG*3C, 105°C, VW-1, length 1.83m-3.05m

Avg. Typical Measured Operating Values (By Electrical Meter) @120V Input		
Speed	Current (Amp)	Wattage (W)
Low	0.16 0.23 0.33	19.2 27.6 39.6
Medium	0.45	54
High		
Turbo		

Performance Data

Airflow	Cubic Feet Per Minute (CFM)
Low	100
Medium	194
High	270
Turbo	364

Sound Level	
Low	<40 dB(A)
Medium	43 dB(A)
High	48 dB(A)
Turbo	55 dB(A)

Filtration & Containment Testing

Minimum Inert Material Capture (Fractional Collection Efficiency):

- IEST-RP-CC007.3 Standard 99.998%-99.999% Efficiency at 0.1µm – 0.2µm @230cfm
- EN1822 Standard Minimum 99% Efficiency at 0.0025µm @300cfm

Minimum Biological Capture Testing Requirements (Fractional Collection Efficiency)

- (Virus) MS-2 phage (ATCC 15597-B1) – 99.996% efficiency @300 cfm
- (Bacteria) Staph Aureus (ATCC 6538) – 99.998% efficiency @300cfm
- (Fungus) Aspergillus Niger (ATCC 1004) - 99.999% efficiency @300cfm

AIR QUALITY

Product Safety Data

UL/CSA Recognized ETL Product Safety Tested & Certified

Federal ARB Ozone Emissions Tested & Certified: Maximum 0.001ppm ozone as per UL 867- ozone chamber testing and peak ozone test for electronic devices.