

JADE SCA5000C

Technical Specifications



General Description and Features

Manufacturer: Surgically Clean Air Inc.

Model Name: JADE

Model Number: SCA5000C

Colours Available: Powder Coated Metal
Housing - White or Matte Black

Airflow up to 406 CFM / 690 m³/h

Hands free touchless control.

Lockable Control Panel to prevent setting changes.

Energy-optimized for operation through special design for high efficiency and with favourable acoustic behavior.

Single point power connection

Ready for operation with minimal setup.

Wall mountable accessory available.



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	19.2
Medium	0.23	27.6
High	0.33	39.6
Turbo	0.45	54

Warranty

Surgically Clean Air will either repair or replace any defective or malfunctioning unit at no cost to the client for a 1-year period.

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



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
- **Germicidal UV-C+:** Non-Ozone Producing 254 nm Doped Quartz Glass Germicidal UV-C
- **Hydroxyl Radical Reactivity Chamber:** Photocatalytic TiO₂ (Titanium Dioxide) mixed phase anatase and rutile.
- **Revitalizing Negative ION Chamber:** 3,000,000 ions/cm³ Negative Ion Generator

Performance Data

Airflow Cubic Feet Per Minute (CFM)	
Low	153
Medium	230
High	312
Turbo	406

Airflow Cubic Feet Per Hour (CFH)	
Low	9,180
Medium	13,800
High	18,720
Turbo	24,360

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



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.

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