SURGICALLY CLEAN AIR™

Specifications Release Date: October 2021

Geography: North American | Series C

JADE™2.0
Technical Specifications

General Description

Manufacturer: Surgically Clean Air Inc.™ Model

Name: JADE™2.0

Model Number: SCA5100C

Colours Available: Powder coated metal

Housing: White or Matte Black

Dimensions: D 31.6cm x H 89.5cm

D 12.4 inches x H 35.2 inches

Weight: 14.5kg (31.9 pounds)

Features

- Airflow up to 448 CFM
- Handsfree touchless control
- Lockable control panel to prevent setting changes
- Energy-optimized for operation through special design for high efficiency and with favourable acoustic behaviour
- Single point power connection
- Ready for operation with minimal setup
- Wall mountable accessory available

Electrical Data

Rated voltage: 1~ 120V, 60Hz, 1A

Power Cord: SJT 3X16AWG, 105°C, VW-1, FT1 Length 2.5m

Power Consumption @120V Input		
Speed	Current (Amp)	Wattage (W)
Low	0.16	19.2
Medium	0.2	24.0
High	0.33	39.6
Turbo	0.53	63.6

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 Collectio Efficiency):

- **Minimum 99.99% Efficiency at 0.3µm @230cfm**

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+ Lamp:** Non-Ozone Producing 254 nm Doped Quartz Glass UV-C+ Lamp
- **Revitalizing Negative ION Chamber:** 3,000,000 ions/cm³ Negative Ion Generator

Performance Data

Airflow Cubic Feet Per Minute (CFM)	
Low	135
Medium	223
High	330
Turbo	448

Airflow Cubic Feet Per Hour (CFH)	
Low	8,100
Medium	13,380
High	19,800
Turbo	26,880

Sound Level	
Low	<37.3 dB(A)
Medium	45 dB(A)
High	52 dB(A)
Turbo	58 dB(A)

Product Safety Data

UL Tested and Certified based on UL/CSA safety standards California Air Resources Board (CARB) Ozone Emissions Tested & Certified: Maximum 0.02 ppm 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) – >99.9% efficiency @300 cfm**
- **(Bacteria) Staph Aureus (ATCC 6538) – >99.9% efficiency @300cfm**
- **(Fungus) Aspergillus Niger (ATCC 1004) – >99.9% efficiency @300cfm**