

# 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        |

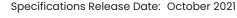
## Warranty

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



Geography: North American | Series C

## 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/cm<sup>3</sup> 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
- (Bacteria) Staph Aureus (ATCC 6538) >99.9% efficiency @300cfm
- (Fungus) Aspergillus Niger (ATCC 1004) >99.9% efficiency @300cfm



















