

BA-350 Ion Distribution System

Ionization Product Specifications

Revision: C 1/21/2021

Product Summary

The BA-350 Ion Distribution System is changing the game in Air Purification Technology. These systems offer a 24/7, proactive approach. The BA-350 ionizer is UL-2998 certified for zero ozone emissions, UL-867, and CA Carb emissions certified. These units are designed for room installation to proactively attack airborne pathogens directly at the breathing zones. BSE's Ion Distribution System works independently or in conjunction with the HVAC system. BSE units are manufactured in to feature a "Plug and Play" industrial grade construction. The advanced aeroacoustic discharge ports coupled with our proprietary ionization technology, optimize the ion plume discharge, and elongates the ion's life span to correspond geometrically to the room's breathing zones. The result is a continuous discharge of millions of ions saturating the room breathing zones and mitigating the airborne pathogens.

Benefits



Pathogens Killed (Bacteria, Viruses, Mold), Helps to Control Allergens/ Asthma, Prevent Sick Building Syndrome



Particle Reduction and Smoke Control



Odors Neutralized by destroying VOCs



Energy Savings of 30% by Reducing Outdoor Air Intake by up to 75%.

Standard Features

Stand-alone, wall mounted air purifying unit delivering a 24/7, proactive approach to indoor air quality.

The unit covers up to 225 square feet.

Virtually zero maintenance is required!



Commercial Applications

- ✓ Offices
- ✓ Healthcare & Dental
- ✓ Gyms
- ✓ Classrooms/Schools
- ✓ Restaurants
- ✓ Elevators
- ✓ Public Transportation
- ✓ Senior Living Facilities
- ✓ Office Building Lobby
- ✓ Waiting Areas
- ✓ Conference Rooms

Important Information

Competitor's ion output ratings generated directly at the needlepoint brushes can be deceiving as is shown by our testing and published numbers. Ionization units not installed directly in the breathing zones are not conducive for maximizing ion output at all the breathing zones. Please reference our BA-1000 and BA-350 for maximum ion output directly at the breathing zones. Please evaluate the HVAC air distribution system (duct, insulation, vav terminals, dampers turning vanes) and account for the coanda effect of air distribution diffusers. These variables could result in little to no ions being discharged to the breathing zones. BSE's Ion Distribution products are rated and tested for ion output from 2 feet to 25 feet away from the needlepoint brushes at the breathing zones for real world performance. Please make sure when specifying Bipolar Ionization that the ion's per cc/sec are commensurate to the distance required at the breathing zones to mitigate airborne viruses.

Total Ion Output

Fan Output	2 ft	5 ft	10 ft	15 ft
100%	1.2 Million	285,000	50,000	20,000



BSE, Inc.

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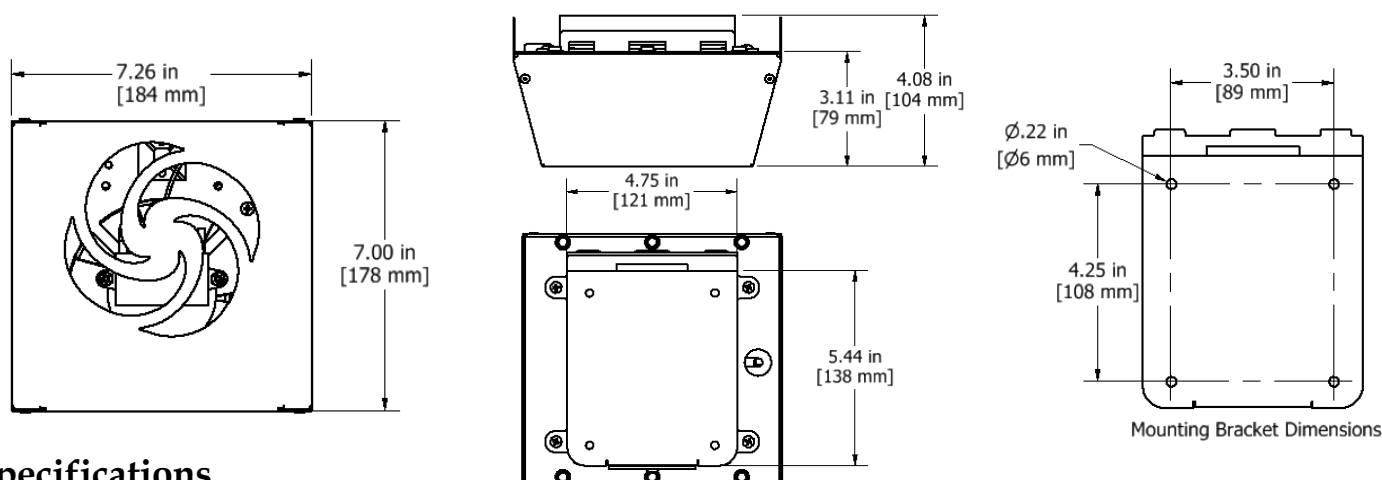
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Specifications

Model	BA-350
Unit Dimensions	Length 4.1(104)/Width 7.3(184)/Height 7.0(178) inches (mm)
Material Casing	Steel
Plug Length	12 Feet
Fan	Tube Axial w/ Shaded-Pole Construction
Airflow Capacity	115 CFM
Static Pressure	0.380 in H ₂ O (94.6 Pa)
Max Speed	3,100 RPM
Sound Output*	47.8 dB
Fan Bearings	Dual Ball NMB
L10 Life Expectancy	50,000 to 60,000 Hours
Weight	4.6 lbs.
Operating Temperature	-40 °F-125°F (-40°C-50°C)
Electrical: Voltage Input	85V - 125V AC
Power Consumption	22-Watt
Frequency	50/60 Hz
Current	1.24A
Certifications	UL 2998, UL 867 ETL Listed, conforms to UL Standard 507, Certified to CSA Standard C22.2 No113, Fan Blade UL 94V-0

* Sound Output was measured at 5 feet from the unit.



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