

# AC Extended Range Ionizing Blower

## Complete Ionization Coverage

The BFN 8412 extended range ionizing blower, with AC technology, provides excellent balance and stability for secure workstation protection.

Designed to cover a broad 3' x 6' area, the 8412 uses AC technology to continuously produce a balanced output of positive and negative air ions.



## Extra-wide Workstation Protection; Integrated Heater, Point Cleaner

BFN series AC ionizers from Transforming Technologies create a dense and well-balanced ionization current. They are unique in their ability to deliver fast decay times with low offset voltages. Continuous balance and decay protection is assured by the reliable AC design. An integrated heater, emitter point cleaner, removable front and rear fan guards, safety switch combine to make the BFN 8412 a powerful and reliable ionizer.

**Maximize ion coverage on any workstation!**

### Features

- Reliable AC output
- Extended Range
- Integrated heater and emitter cleaner
- Variable fan speed control
- Removable finger guards with auto shut-off sensor

### Benefits

- $\pm 10$  volt balance; Assured stability over time
- 3' x 6' coverage
- Maximizes operator comfort, keeps emitters free from contamination
- Adjustable for varied work applications
- Easy to clean and safe to access

## Model BFN 8412 AC Ionizer

### Typical Applications

- Electronic assembly
- Medical device assembly and packaging
- Semiconductor mfg.



Transforming Technologies,

*Outstanding Alternatives in Static Control*

# BFN 8412 Ionizing Blower

## Product Specifications

### Power Input

120 V AC, 60 Hz., 350W (max)  
2.5A max. when heater is on  
220 V AC, 50Hz.

### Dimensions

19.7" W x 7.28" H x 7.9"D  
(50.0 W x 18.5 H x 20.0 D cm)

### Weight

15.2 lb (6.9 kg)

### Air Volume

50 CFM – 230 CFM (low— high)

### Effective Coverage

3'x6' area coverage

### Balance

0 ±10 volts

### Decay Time

< 1.5 seconds @12", 1000V-  
100V, fan speed on high

### Heated Air Temperature

Fan Speed	Above Ambient
Low	10° F
Hi	7° F

(measured 6" in front of unit)

**Offset voltage and discharge time determined as per ANSI/ESD STM 3.1 using 6" x6" 20 pF charge plate monitor. Discharge times are in seconds from 1000V to 100 V. Discharge times are slightly longer for 230V, 50 Hz**

### Indicators

ON/OFF status light indicator, detects presence of HV on emitter points

### Temperature

32-122° F (0-50° C)

### Ozone Production

< 0.003 ppm, 12" in front of unit, EPA EQOA577019

### RH Operating Range

20-60%, non-condensing

### Audible Noise

46dB(A) (Distance 1 meter)

### Enclosure

Steel

### Finish

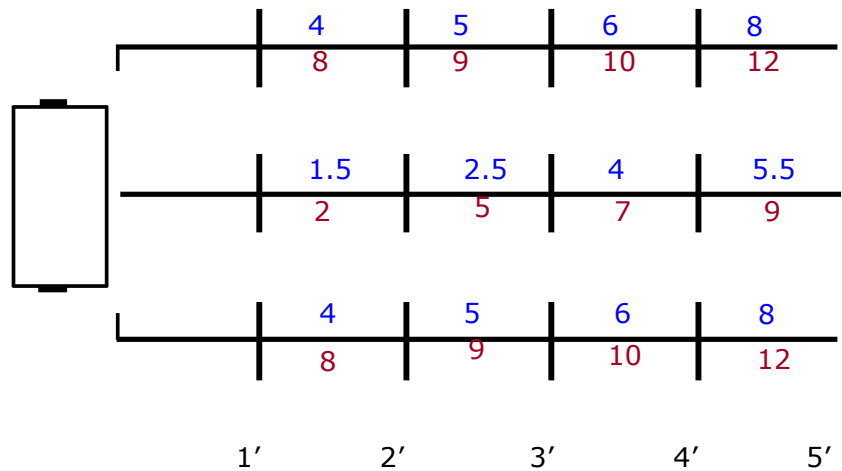
Powder coat, off white

### Approvals

CE

## BFN 8412 Charge Decay Efficiency (Discharge Time)

Blue: Hi Fan Speed  
Red: Low Fan Speed



Tested in accord with ANSI/ESD STM3.1

### About Transforming Technologies

Transforming Technologies offers a wide range of unique and outstanding products to detect, protect, eliminate and monitor electrostatic charges. Our products are integral components of an effective static control program.

This document is prepared for our customers as a service, and is to the best of our knowledge true and accurate. However, it is understood and agreed by the users of this document that we will accept no liability for the conclusions reached. Users of this document may therefore wish to perform additional testing before determining that products mentioned are suitable.



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