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.

Maximize ion coverage on any workstation!

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.

Features

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

Benefits

- ±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)

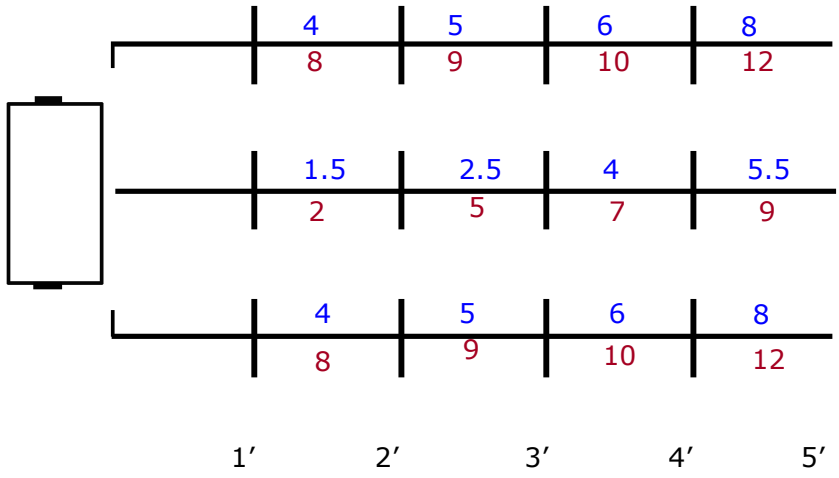
Offset voltage and discharge time determined as per EOS/ESD Standard No.3 using 6" x6" 20 pF charge plate monitor. Discharge times are in seconds from 1000V to 100 V. Discharge times are slightly longer for 230V, 50 Hz

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 STM3.1-2006

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.

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