

# Endstat 2020



The Endstat 2020 ionizing air blower provides economical control of electrostatic charges over a targeted work surface area. It provides protection from the destructive effects of ESD by neutralizing static charges in the work environment.

Compact and portable design

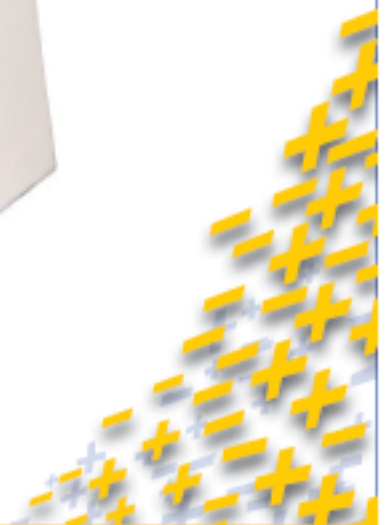
Easy to install and operate

Two speed fan control

Built-in emitter cleaner

Durable electrically grounded metal enclosure

Inherent balance to +/- 15V



Line Voltage Connector: IEC320

Ion Balance (offset voltage): 0 +/- 15V (nominal)

### Operating Specs

Unit Part #	4012303	4012304	4012305	4012306
Line Voltage	100VAC 50/60Hz (Japan)	120VAC 60Hz (N. America)	230VAC 50Hz (E. Europe)	230VAC 50Hz (UK)
Current Draw	0.36 A	0.30 A	0.22 A	0.22 A

### Ion Output (discharge time)

Distance	12 in. (305 mm)	24 in. (610 mm)	36 in. (915 mm)	48 in. (1220 mm)
Fan - High	2.5	5	7.5	10
Fan - Low	5	7.5	10	15

Offset voltage and discharge time determined as per ANSI/ESD S7M3.1 using 6" x 6", 20 pF plate (Charged Plate Monitor). Discharge times are in seconds from 1000 volts to 100 volts.

Operating Temperature: 32°F (0°C) - 122°F (50°C)

Humidity Range: 20%RH - 95%RH (non-condensing)

### Air flow Volume

Fan - High:	100 CFM (2.8 m <sup>3</sup> /min)
Fan - Low:	50 CFM (1.4 m <sup>3</sup> /min)

## Endstat 2020 Ionizing Air Blower

The Endstat 2020 ionized air blower produces airflow enriched with positive and negative air ions. Directing the ionized airflow on an object that has an electrostatic charge will neutralize the charge. Surfaces with negative charge will draw positive ions and surfaces with positive charge will draw negative ions. The air ions act as charge carriers, neutralizing the surface.

The Endstat 2020 is a portable ionized air blower. It uses a two speed fan to provide airflow. Ionization is produced using an AC corona discharge ionizer and AC high voltage transformer. AC ionization technology provides for economical, reliable static control.

The Endstat 2020 is designed for electronics and manufacturing environments. It can be used with sensitive electronic components or where materials are difficult to work with due to electrostatic charge. Used with sensitive electronic components, the Endstat 2020 helps to eliminate damaging ESD events. Used in manufacturing, the Endstat 2020 reduces or eliminates troublesome electrostatic attraction (ESA).

### Specifications

#### Endstat 2020

Audible Noise	55 dB(A) maximum at 39 in. (1 m) High fan speed, measured perpendicular to air outlet.
ON/OFF	Switch on front panel (with power on indication light).
Fan Speed	Two speed, switch on front panel.
Emitter Material	Stainless Steel
Emitter Cleaner	Manual (knob actuated), nylon brush
Enclosure Material	Formed Steel
Enclosure Finish	Enamel
Enclosure Dimensions	5.7"W x 8.2"H x 3.7"D (145mm W x 210mm H x 95mm D)
Unit Weight	7 lb (3.2 kg)
Stand Feet	Non-conductive, non-staining polymer

### Dimensions

