

# Endstat 2020 Ionizing Air Blower

*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.*

## Features:

- ▶ Small and portable
- ▶ Easy to install and operate
- ▶ Two speed fan
- ▶ Built-in ion emitter cleaner
- ▶ Durable electrically grounded metal enclosure

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 Operating Specs

Unit Part #:	4012303	4012304	4012305	4012306
<b>Line Voltage:</b>	100 VAC (50/60 Hz (Japan)	120 VAC 60 Hz (N.America)	230 VAC 50 Hz (C.Europe)	230 VAC 50 Hz (U.K.)
<b>Current Draw:</b>	0.36 A	0.30 A	0.22 A	0.22 A

**Line Voltage Connector:** IEC320

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

**Ion Output (discharge time):**

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

Offset voltage and discharge time determined as per ANSI/ESD STM3.1 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)

<b>Airflow Volume:</b>	Fan - High:	100 CFM (2.8 m3/min)
	Fan - Low:	50 CFM (1.4 m3/min)

### 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:

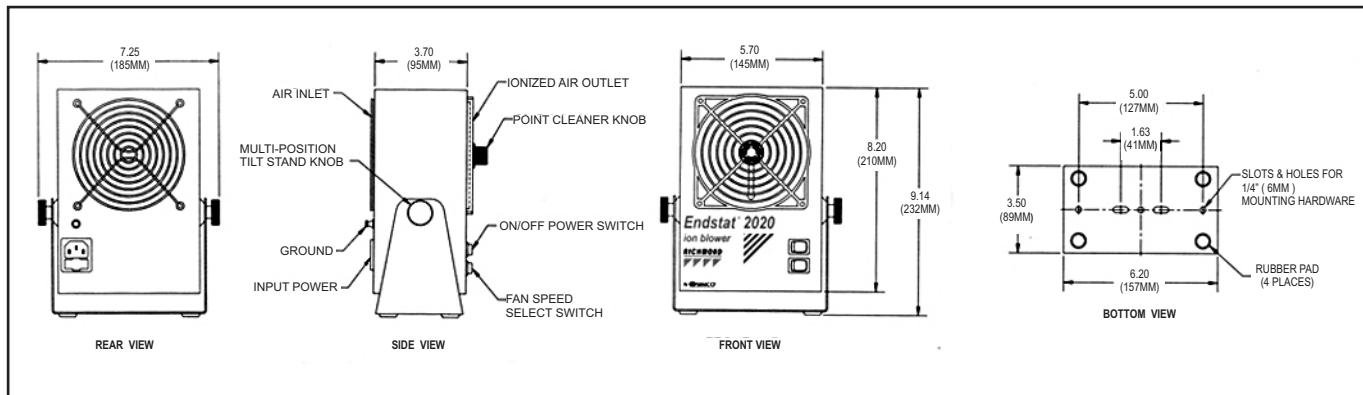
7 lb (3.2 kg)

### Stand Feet:

Non-conductive, non-staining polymer

### Part Numbers:

Description	Part #
ENDSTAT 2020 (100V 50/60Hz Japan)	4012303
ENDSTAT 2020 (120V 60Hz N.America)	4012304
ENDSTAT 2020 (230V 50Hz C.Europe)	4012305
ENDSTAT 2020 (230V 50Hz U.K.)	4012306



Dimensions

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