



**MODELS**  
**DA-SASD-11ASC, DA-SASD-12ASC**  
**DA-SASD-18ASC**

## **WHOLE-HOUSE HIGH EFFICIENCY ELECTRONIC AIR CLEANERS**

**MERV 16**



### **Description**

The DIRECT AIR High Efficiency Electronic Air Cleaner has been designed to remove atmospheric and household dust, coal dust, insecticide dust, mites, pollen, mold spores, fungi, bacteria, viruses, pet dander, cooking smoke and grease, tobacco smoke particles, and more down to 0.01 micron (0.01 micron = 1/2,540,000 of an inch).

Contains Environmentally-Friendly, Lifetime Filters that never need replacing. Simply wash clean.

User-friendly. Easy to maintain.

Ideal for homes with allergy, asthma or respiratory sufferers, smokers, pets, cooking odors, and mustiness.

Helps protect and prolong the operating efficiency of the heating and cooling equipment.

### **Standard Features**

Prefilters (2) are constructed of aluminum mesh, to prevent lint and large particles from entering the collecting cells.

Dual Voltage Collecting Cells (2) are constructed of heavy gauge aluminum for durability and ease of maintenance. Cell guides ensure proper placement of collecting cells in cabinet.

Activated Charcoal Filters (C) help remove unpleasant odors.

Solid State Power Board is manufactured on-site for high reliability and long life. Uniquely equipped with a variable resistor (potentiometer) to adjust high voltage output. Output has been preset for optimum efficiency, however, as voltage may vary in extreme conditions of dryness, humidity or proximity to hydro towers, raising or lowering potentiometer allows for proper voltage output.

### **Standard Features**

Electronic Air Proving Switch (AS) allows for quick wiring. Automatically cycles Air Cleaner on/off with the system fan.

Lighted ON/OFF Switch (Orange) shows power to the Air Cleaner.

Performance Indicator Light (Green LED) indicates high voltage to the collecting cells, ensuring air cleaner is operating properly at a glance.

### **Cabinet Construction Features**

Heavy gauge galvanized steel cabinet resists corrosion and provides trouble-free vertical or horizontal installation. Holes are provided to facilitate mounting to the duct work or air handling system.

Durable powder coat paint finish on door and top lid resists corrosion.

Power Box is removable. Contains the ON/OFF switch, performance indicator light, safety interlock switch, high voltage power board and the air proving switch.

### **Accessories**

DAX Air Cleaner Detergent simplifies the washing process by quickly and safely removing contaminants from filters.

32 oz. (1 L) Spray Bottle, Part #9900

Activated Charcoal Filters (3 per pack).

Replace every 3- 4 months. For models:

DA-SASD-11

Part #1156-3

DA-SASD-12, DA-SASD-18

Part #1856-3

# EFFICIENCY

## DIRECT AIR ELECTRONIC AIR CLEANER

Particle Size	600 CFM	1000 CFM	1400 CFM
0.3-0.4	99.2	87.5	65.4
0.4-0.55	99.7	91.6	74.0
0.55-0.7	99.8	95.1	80.3
0.7-1.0	99.9	97.3	86.0
1.0-1.3	99.9	98.5	90.4
1.3-1.6	99.9	99.1	93.2
1.6-2.2	100.0	99.5	95.3
2.2-3.0	100.0	99.8	97.4
3.0-4.0	100.0	99.9	98.3
4.0-5.5	100.0	99.9	99.0
5.5-7.0	100.0	100.0	99.5
7.0-10.0	100.0	100.0	99.9

## MEDIA

1400 CFM Media (MERV 10)
14.6
21.2
30.9
38.6
46.9
53.9
61.8
74.6
82.6
84.5
86.4
88.2

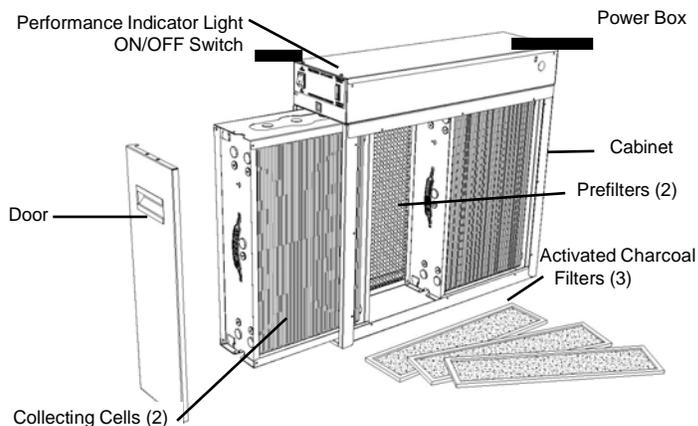
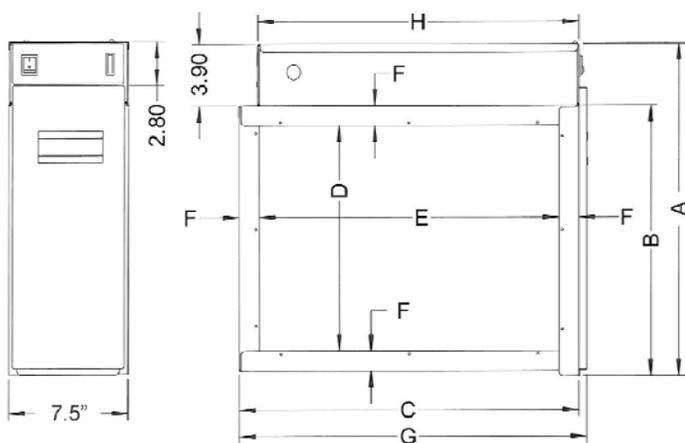
In the chart to the left are results from an independent testing laboratory showing the efficiency of the new Direct Air Electronic Air Cleaner.

The column to the right shows the efficiency of a typical MERV 10 media filter (non Direct Air).

At rated air flow the Electronic Air Cleaner achieves a MERV 14 rating. With the fan running on low speed, the Air Cleaner increases efficiency to an impressive MERV 16 rating.

The static pressure drop of the Electrostatic Air Cleaner is a low 0.15" compared to a MERV 10 media filter of over 0.22" on a clean filter.

MODEL	DA-SASD-11ASC	DA-SASD-12ASC	DA-SASD-18ASC
<b>House Size Area</b>	<3000 ft <sup>2</sup> <278.70 m <sup>2</sup>	<3000 ft <sup>2</sup> <278.70 m <sup>2</sup>	>3000 ft <sup>2</sup> >278.70 m <sup>2</sup>
<b>Airflow</b>	up to 1400 CFM up to 2380 m <sup>3</sup> /hr	up to 1400 CFM up to 2380 m <sup>3</sup> /hr	up to 2000 CFM up to 3400 m <sup>3</sup> /hr
<b>Duct Size</b>	16 x 25 in 40.5 x 63.5 cm	20 x 20 in 51.0 x 51.0 cm	20 x 25 in 51.0 x 63.5 cm
<b>Unit Weight</b>	37 lbs 16.8 kg	37 lbs 16.8 kg	41 lbs 18.6 kg
<b>Input Voltage</b>	120 V 60 Hz	120 V 60 Hz	120 V 60 Hz
<b>Power Consumption</b>	30 Watts	30 Watts	30 Watts
<b>Upgrades Included</b>	Charcoal Filters	Charcoal Filters	Charcoal Filters



MODEL	DIMENSIONS — in (cm)							
	A	B	C	D	E	F	G	H
<b>DA-SASD-11ASC</b>	19.8 (50.4)	15.9 (40.5)	26.1 (66.3)	13.6 (34.6)	24.1 (61.2)	1.0 (2.5)	26.6 (67.7)	25.8 (65.4)
<b>DA-SASD-12ASC</b>	24.7 (62.8)	20.8 (52.9)	21.2 (53.9)	18.0 (45.7)	18.7 (47.5)	1.3 (3.2)	21.7 (55.2)	21.2 (53.9)
<b>DA-SASD-18ASC</b>	24.7 (62.8)	20.8 (52.9)	25.8 (65.4)	18.0 (45.7)	23.3 (59.1)	1.3 (3.2)	26.3 (66.8)	25.8 (65.4)

