WHOLE-HOUSE HIGH EFFICIENCY ELECTRONIC AIR CLEANERS

5 YEAR LIMITED WARRANTY

Description

- The CinQuartz® 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 an Environmentally-Friendly, Lifetime Filter that never needs replacing. Simply washes clean.

- User-friendly. Easy to maintain.

- Ideal for homes with allergy, asthma or respiratory sufferers, smokers, pets, cooking odours, 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 Carbon 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 Carbon Filters (3 per pack). Replace every 3-4 months. For Models:
  CQSASD-10ASC, CQSASD-11ASC   Part #1156-3
  CQSASD-12ASC, CQSASD-18ASC   Part #1856-3

EFFICIENCY

CINQUARTZ 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 CinQuartz® Electronic Air Cleaner.
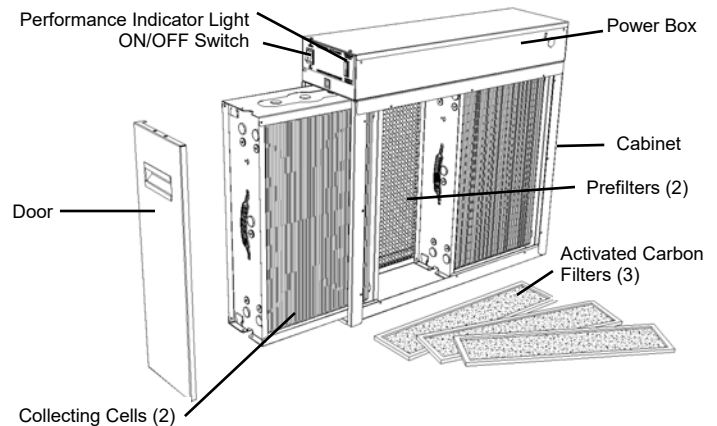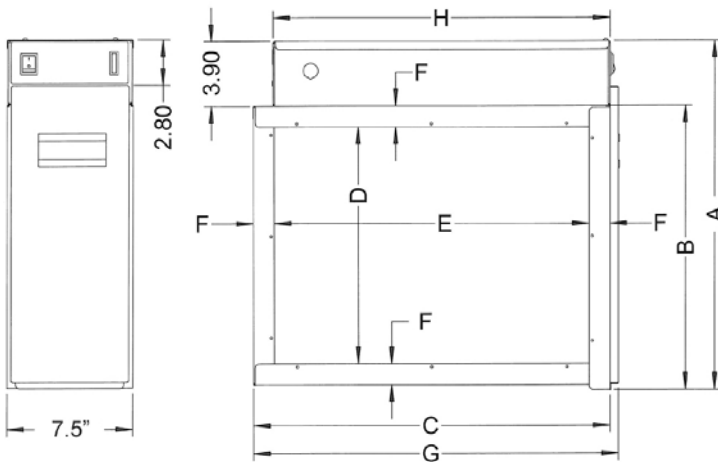
The column to the right shows the efficiency of a typical MERV 10 media filter (non-CinQuartz brand).

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.

SPECIFICATIONS

MODEL	CQSASD-10ASC	CQSASD-11ASC	CQSASD-12ASC	CQSASD-18ASC
House Size Area	<2400 ft² <222.96 m²	<3000 ft² <278.70 m²	<3000 ft² <278.70 m²	>3000 ft² >278.70 m²
Airflow	up to 1200 cfm up to 2040 m³/hr	up to 1400 cfm up to 2380 m³/hr	up to 1400 cfm up to 2380 m³/hr	up to 2000 cfm up to 3400 m³/hr
Duct Size	16 x 20 in 40.5 x 51.0 cm	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
Unit Weight	35 lbs 15.9 kg	37 lbs 16.8 kg	37 lbs 16.8 kg	41 lbs 18.6 kg
Input Voltage	120 v 60 hz	120 v 60 hz	120 v 60 hz	120 v 60 hz
Power Consumption	30 watts	30 watts	30 watts	30 watts
Options Available	Power Cord 220 v 50 hz	Power Cord 220 v 50 hz	Power Cord 220 v 50 hz	Power Cord 220 v 50 hz

MODEL NO.	DIMENSIONS — in (cm)							
	A	B	C	D	E	F	G	H
CQSASD-10ASC	19.8 (50.4)	15.9 (40.5)	23.2 (58.9)	13.1 (33.3)	20.7 (52.5)	1.3 (3.2)	23.7 (60.2)	21.2 (53.9)
CQSASD-11ASC	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)
CQSASD-12ASC	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)
CQSASD-18ASC	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)

Manufacturer reserves the right to discontinue or change at any time, specifications or designs without notice or without incurring obligations.
Performance of the Air Cleaners will depend on house plan design, duct design and heating/cooling equipment.