

AE14-5 Series

CLEAN COMFORT™
INDOOR AIR ESSENTIALS

Description

The Clean Comfort™ AE14-5 Series of Electronic Air Cleaners for residential applications helps remove a wide range of airborne particles as small as 0.01 micron (0.01 micron = 1/2,540,000 of an inch). Types of particles removed include atmospheric and household dust, coal dust, insecticide dust, mites, pollen, mold spores, fungi, bacteria, viruses, pet dander, cooking smoke and grease and tobacco smoke.

Standard Features

- Two aluminum mesh pre-filters help prevent lint and large particles from entering the collecting cells
- Heavy-gauge aluminum collecting cells are durable and easy to maintain
- Cell guides ensure proper placement of collecting cells in cabinet
- Activated carbon filters help remove unpleasant odors
- Installer-adjustable voltage output to collecting cells for conditions of extreme dryness, humidity or proximity to hydro towers
- Electronic air-proving switch automatically cycles air cleaner on/off with the system fan
- Power Switch (orange) indicates when the air cleaner is powered
- Performance indicator light (green) indicates when the air cleaner is operating
- Heavy gauge galvanized steel cabinet
- Can be installed in either vertical or horizontal position
- Durable powder coat paint finish on door and top lid resists corrosion

Accessories

DAX Air Cleaner Detergent for prefilters & collecting cells.
32 oz. (1 L) Spray Bottle, Part # AEP-FS9900

Activated Carbon Filters (3 per pack).
Replace every 4-6 months.

Model#	Part#
AE14-1620-51 / AE14-1625-51 AE14-1620-52 / AE14-1625-52	AEP-1156-3
AE14-2020-51 / AE14-2025-51 AE14-2020-52 / AE14-2025-52	AEP-1856-3

AE14-5 SERIES WHOLE-HOUSE ELECTRONIC AIR CLEANERS

MODELS

AE14-1620-51 • AE14-1625-51 • AE14-2020-51

AE14-2025-51 (120 VAC)

AE14-1620-52 • AE14-1625-52 • AE14-2020-52

AE14-2025-52 (240 VAC)



* Complete warranty details available from your local dealer or at www.cleancomfort.com.

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Efficiency

The table to the right shows results from an independent testing laboratory that measured the particulate removal efficiency of the Clean Comfort™ Electronic Air Cleaner

The column to the right of the table shows the efficiency of a typical 4" MERV 10 furnace filter (not Clean Comfort)

At rated airflow, the electronic air cleaner achieves a MERV 14 rating. With the fan running on low speed, the air cleaner increases efficiency up to a rating of MERV 16

The static pressure drop of the electronic air cleaner is as low as 0.16" compared to a typical 1" MERV 8 furnace filter of over 0.22" or higher on a clean filter

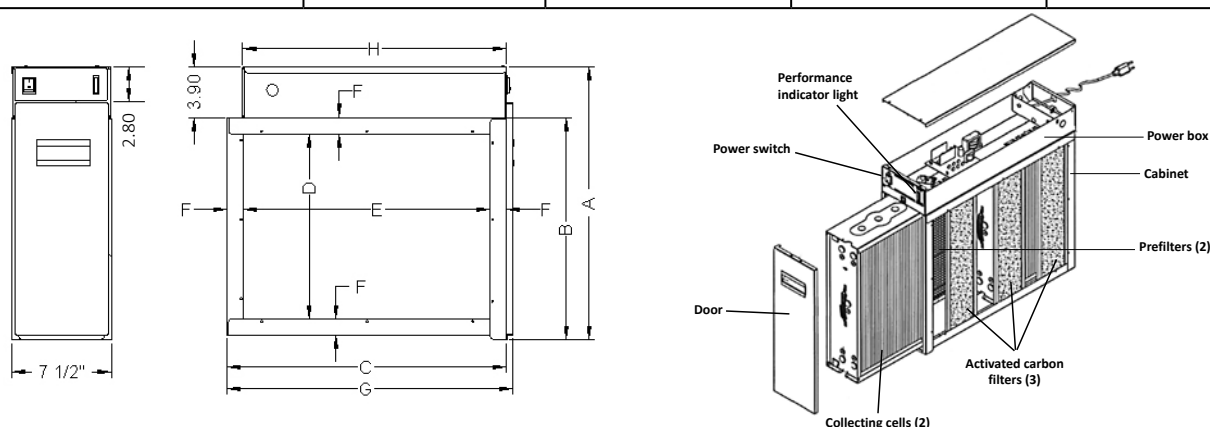
Clean Comfort™ Electronic Air Cleaner

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

MODEL	AE14-1620-51 AE14-1620-52	AE14-1625-51 AE14-1625-52	AE14-2020-51 AE14-2020-52	AE14-2025-51 AE14-2025-52
House Size Area (typical)	up to 2400 ft ² up to 223 m ²	up to 3000 ft ² up to 279 m ²	up to 3000 ft ² up to 279 m ²	up to 4000 ft ² up to 372 m ²
Airflow	up to 1200 CFM up to 2040 m ³ /hr	up to 1400 CFM up to 2380 m ³ /hr	up to 1400 CFM up to 2380 m ³ /hr	up to 2000 CFM up to 3400 m ³ /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 AE14-XXXX-51 models AE14-XXXX-52 models	120 V 60 Hz 220 V 50 Hz	120 V 60 Hz 220 V 50 Hz	120 V 60 Hz 220 V 50 Hz	120 V 60 Hz 220 V 50 Hz
Power Consumption (when operating)	30 Watts	30 Watts	30 Watts	30 Watts
Options Available	• Power Cord	• Power Cord	• Power Cord	• Power Cord



Dimensions — in (cm)								
MODEL	A	B	C	D	E	F	G	H
AE14-1620-51	19.8	15.9	23.2	13.1	20.7	1.3	23.7	21.2
AE14-1620-52	(50.4)	(40.5)	(58.9)	(33.3)	(52.5)	(3.2)	(60.2)	(53.9)
AE14-1625-51	19.8	15.9	26.1	13.6	24.1	1.0	26.6	25.8
AE14-1625-52	(50.4)	(40.5)	(66.3)	(34.6)	(61.2)	(2.5)	(67.7)	(65.4)
AE14-2020-51	24.7	20.8	21.2	18.0	18.7	1.3	21.7	21.2
AE14-2020-52	(62.8)	(52.9)	(53.9)	(45.7)	(47.5)	(3.2)	(55.2)	(53.9)
AE14-2025-51	24.7	20.8	25.8	18.0	23.3	1.3	26.3	25.8
AE14-2025-52	(62.8)	(52.9)	(65.4)	(45.7)	(59.1)	(3.2)	(66.8)	(65.4)

Daikin North America LLC 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.

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Our continuing commitment to quality products may mean a change in specifications without notice.

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