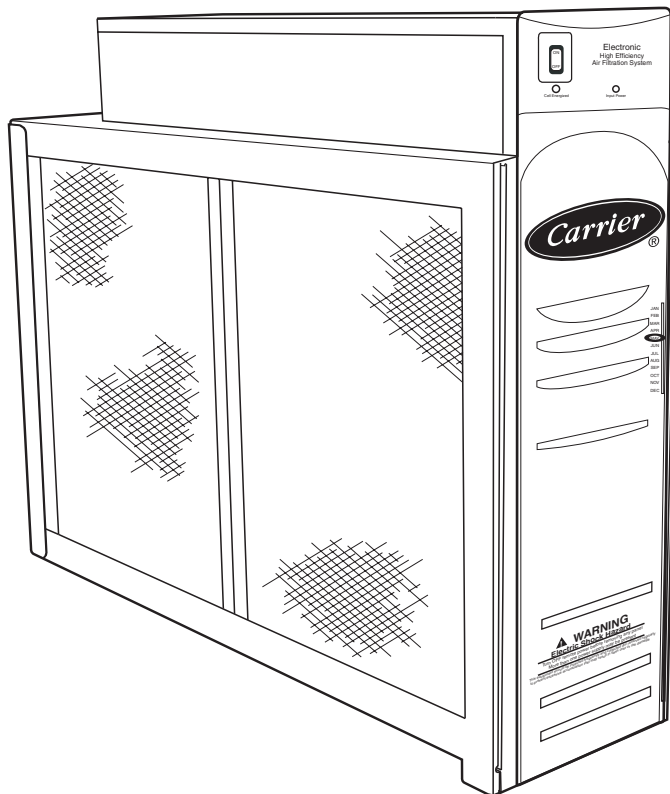




# Product Data

# EACB Electronic Air Cleaner

Sizes 0014, 0020 and 2020



Performance  
SERIES

This duct mounted electronic air cleaner is available in 1400 and 2000 CFM models. EACB also comes in 2 sizes (120-v) to meet your furnace needs or 1 size (240-v) for fan coil applications. Designed to remove airborne particles down to 0.01 microns in size, the EACB effectively removes such particles as dust, dirt, lint, and pollen from your customer's home.

The electronic components of the Model EACB convert the 120-v or 240-v power supply to a 6200-v VDC that imparts an electrical charge to airborne particles such as smoke, bacteria, pollen, and dust. This charge causes these particles to attach themselves to the charged collecting plates, thus cleaning the airstream.

The resulting high cleaning efficiency enables the EACB to also trap the smoke and extremely fine dust particles (from 0.01 to 5 microns in size) that are not removed by an ordinary throw-away-type filter. These ultrafine particles are the cause of most of the soil (smudging) of walls, draperies, curtains, etc.

The Model EACB is designed to adapt to various types of return-air duct systems and can be mounted in either a vertical or horizontal position.

## FEATURES/BENEFITS

**Compact** — Three cabinet sizes meet most application requirements.

**Fully Assembled** — EACB unit is fully assembled and ready for installation.

**Low Operating Costs** — The monthly cost of operating these electronic air cleaner is less than that for a 60-watt light bulb.

**Clean Cell Reminder** — These units are equipped with a month indicator to remind the homeowner when to clean the cells.

**Airflow Sensor** — The EACB comes standard with airflow sensor.

**Power Cord** — This unit comes with a 6-ft power cord to help with ease of installation.

**Versatility** — Airflow direction through the EACB can be reversed by simply reversing the prefilter and cell assemblies within the cabinet.

**Easily Cleaned** — Soak and rinse cells; vacuum prefilters.

**Application Possibilities** — Unit can be installed in a horizontal or vertical position, which makes it equally adaptable to basement, horizontal, downflow, or standard upflow applications. Furnace can be mounted on top of air cleaner without adapters.

**Solid-State Power Supply** — Power supply is a highly reliable state-of-the-art, solid-state, high-voltage device.

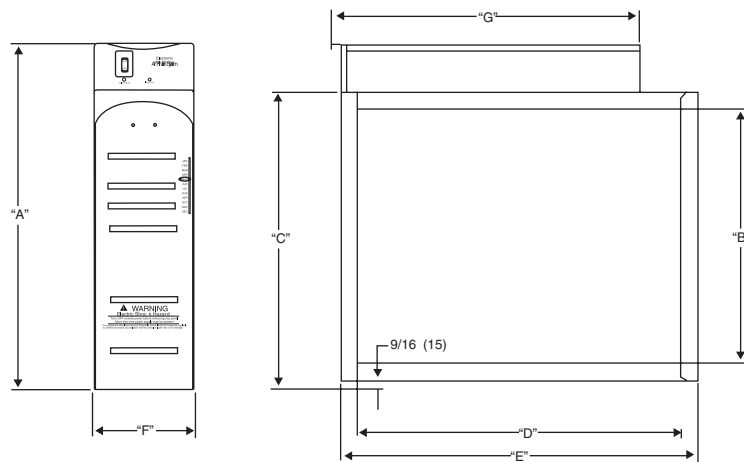
**Durable Cabinet** — Heavy-gage steel cabinet supports up to 400 lb when installed beneath an upflow furnace.

**Agency Listed** — Model EACB Electronic Air Cleaner is UL and cUL listed.

**Financing** — Eligible for consumer financing program.

**Limited Warranty** — Five-year warranty on the unit with a \$25 labor allowance for service calls within the first 120 days after installation; 5-year warranty on power supply with \$50 labor allowance, within the first 120 days.

## Dimensions

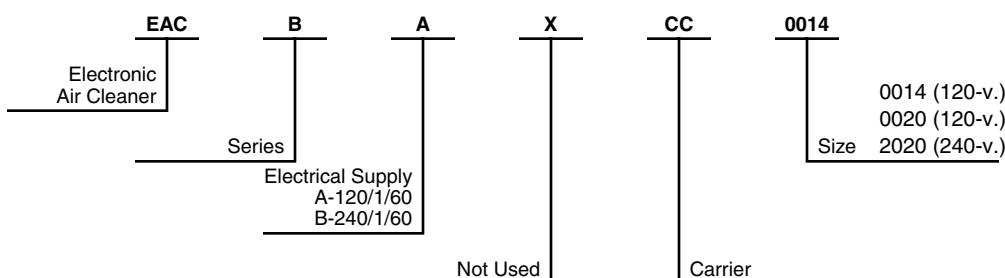


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**DIMENSIONS (In.)**

MODEL	A	B	C	D	E	F	G
EACB-0014	20-1/4	13-7/8	16-15/16	22-1/2	26-1/4	7-1/8	21-1/16
EACB-0020	24-1/4	17-7/8	20-15/16	22-1/2	26-1/4	7-1/8	21-1/16
EACB-2020	24-1/4	17-7/8	20-15/16	19	22-3/4	7-1/8	18-5/8

## Model number nomenclature



# Performance data

MODEL	EACB-2020	EACB-0014	EACB-0020
Maximum Capacity	2000 CFM	1400 CFM	2000 CFM
Efficiency at Rated CFM	50% at 2000 CFM	68% at 1400 CFM	65% at 2000 CFM
Pressure Drop (in wc)	0.22 at 2000 CFM	0.11 at 1400 CFM	0.14 at 2000 CFM
Ozone Generation	Less than 25 ppb	Less than 25 ppb	Less than 25 ppb
Temperature Rating	32°F to 125°F	32°F to 125°F	32°F to 125°F
Input Volts	240	120	120
Input Hertz	50/60	50/60	50/60
Normal Operation Input Power (Watts)	18.5	18.5	23
Max Input Power (Watts)	40	40	48
Electrical Output	2.5 mA @ 6.2 kVDC	2.5 mA @ 6.2 kVDC	3.2 mA @ 6.2 kVDC

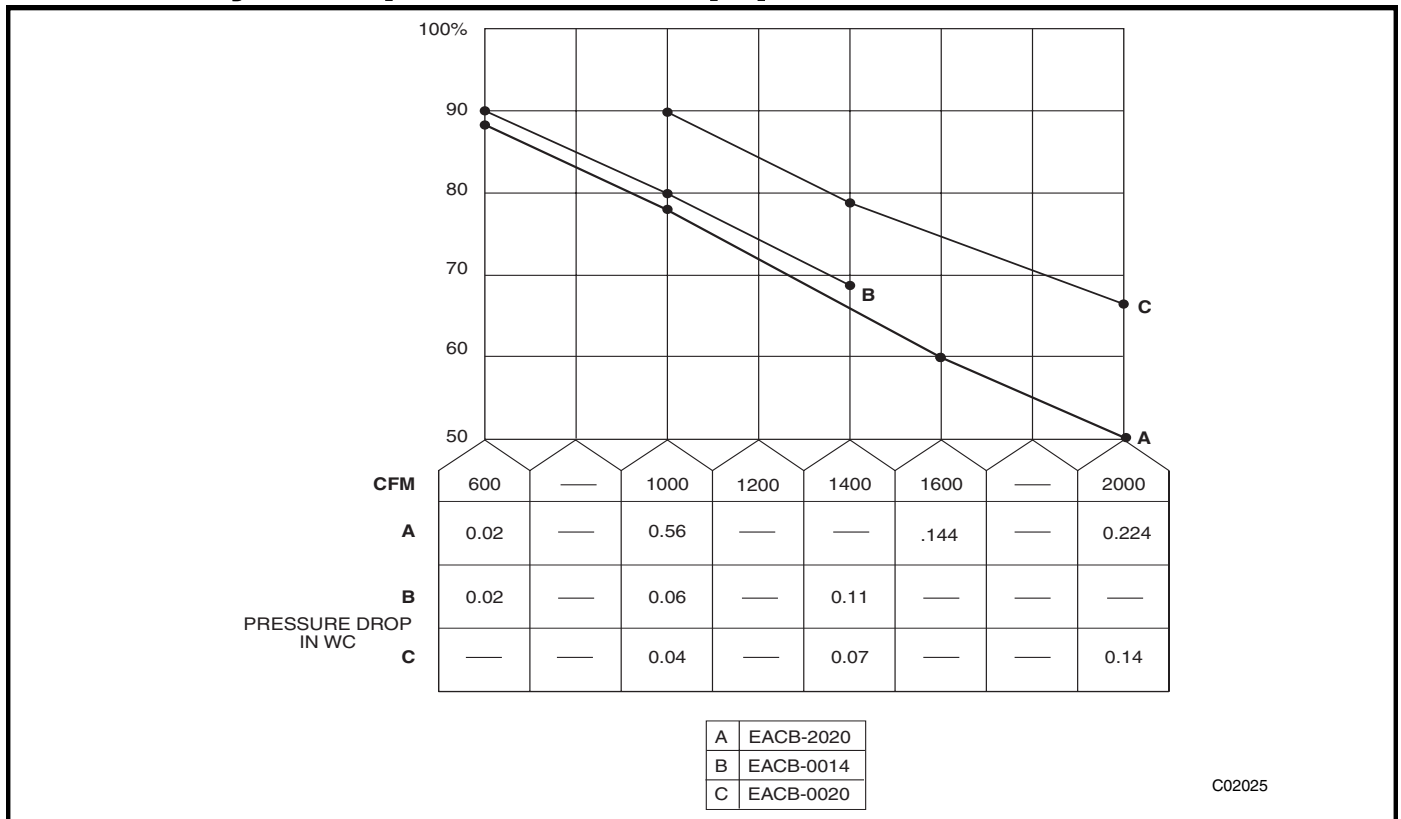
# Physical data

MODEL	EACB-2020	EACB-0014	EACB-0020
Ionizer Wire Qty	13/cell	13/cell	13/cell
Cell Weight	9 lb/cell	10 lb/cell	12 lb/cell
Unit Weight	43 lb	43.5 lb	49 lb
Cabinet Construction	Epoxy powdered steel; supports 400 lbs	Epoxy powdered steel; supports 400 lbs	Epoxy powdered steel; supports 400 lbs
Power Supply Location	Top of unit	Top of unit	Top of unit
Prefilters	2	2	2
Airflow Sensor	Included	Included	Included
Power Cord — 6-ft	Included (240-V plug)	Included	Included

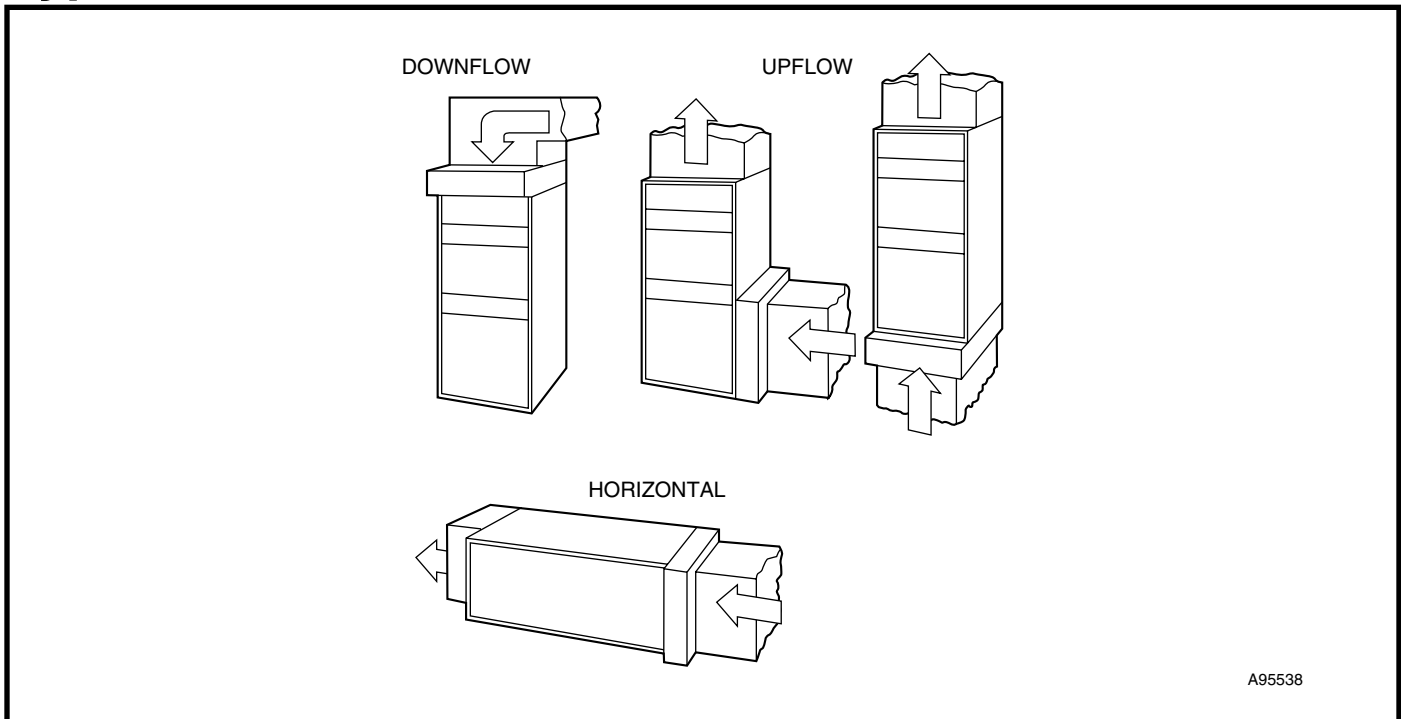
# Accessories

MODEL	EACB-2020	EACB-0014	EACB-0020
Charcoal Filter	Accommodates 3/8-in. filter (Available through RCD)	Accommodates 3/8-in. filter (Available through RCD)	Accommodates 3/8-in. filter (Available through RCD)

# Efficiency and pressure drop performance chart



# Typical installations



# Air cleaner performance chart

Performance	STANDARD 1 IN. FILTER								
	GOOD MECHANICAL FILTER								
	FULL SIZE ELECTRONIC AIR CLEANER								
Living Airborne Organisms	BACTERIA								
	POLLEN								
	PLANT SPORES								
Smoke	COOKING SMOKE & GREASE								
	TOBACCO SMOKE								
	ATMOSPHERIC & HOUSEHOLD DUST								
Minerals	COAL DUST								
	ANIMAL DANDER								
	LINT								
	INSECTICIDE DUST								
Partical Size in Microns	10 Visible w/ Naked Eye	5	2	1	0.5 Visible w/Microscope	0.1	0.01 Visible w/Electron Microscope	0.001	
Particle Number	0.1%				19.9%		80%		
Particle Weight	70%				29%		1%		
Most Staining Effect									
Most Likely Retained in Lungs									
80% of Contamination									

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**Carrier**

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Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.