

This duct mounted electronic air cleaner is available in 1400 and 2000 CFM models. Designed to remove airborne particles down to 0.01 microns in size, the AIRA effectively removes such particles as dust, dirt, lint, and pollen from your customer's home.

The electronic components of the Model AIRA convert the 120-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 AIRA 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 AIRA is designed to adapt to various types of return-air duct systems and can be mounted in either a vertical or horizontal position.

FEATURES

COMPACT—Three cabinet sizes meet most application requirements.

FULLY ASSEMBLED—AIRA unit is fully assembled and ready for installation.

LOW OPERATING COSTS—The monthly cost of operating the electronic air cleaner is less than that for a 60-watt light bulb.

VERSATILITY—Airflow through the AIRA 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.

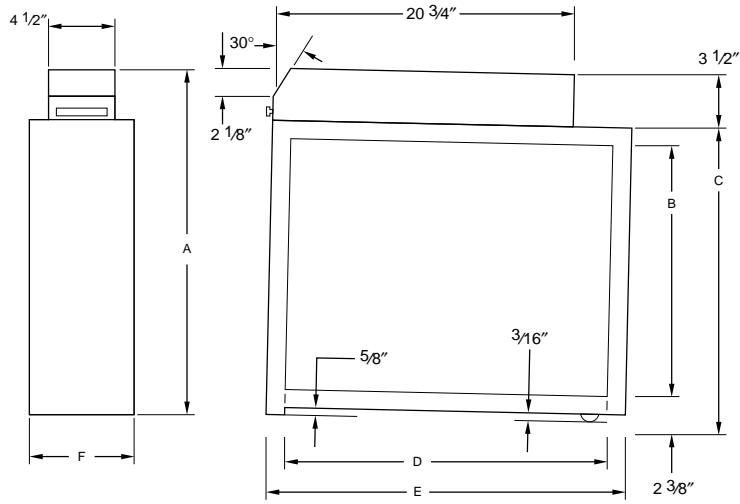
SOLID-STATE POWER SUPPLY—Power supply is a highly reliable state-of-the-art, solid-state, high-voltage device.

DURABLE CABINET—Heavy-gage steel cabinet supports up to 400 lb when installed beneath an upflow furnace.

AGENCY LISTED—Model AIRA Electronic Air Cleaner is UL and cUL listed.

FINANCING—Eligible for consumer financing program.

LIMITED WARRANTY—Two-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.



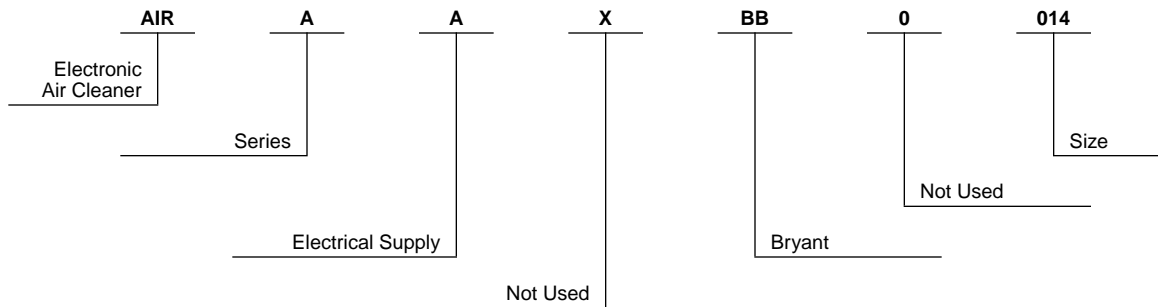
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DIMENSIONS (IN.)

MODEL	A	B	C	D	E	F
AIRAAXB0012	20-1/2	13-7/8	16-1/4	22-1/2	25	5-1/4
AIRAAXB0014	20-1/2	13-7/8	16-1/4	22-1/2	25	7-1/4
AIRAAXB0020	24-1/2	17-7/8	20-1/4	22-1/2	25	7-1/4



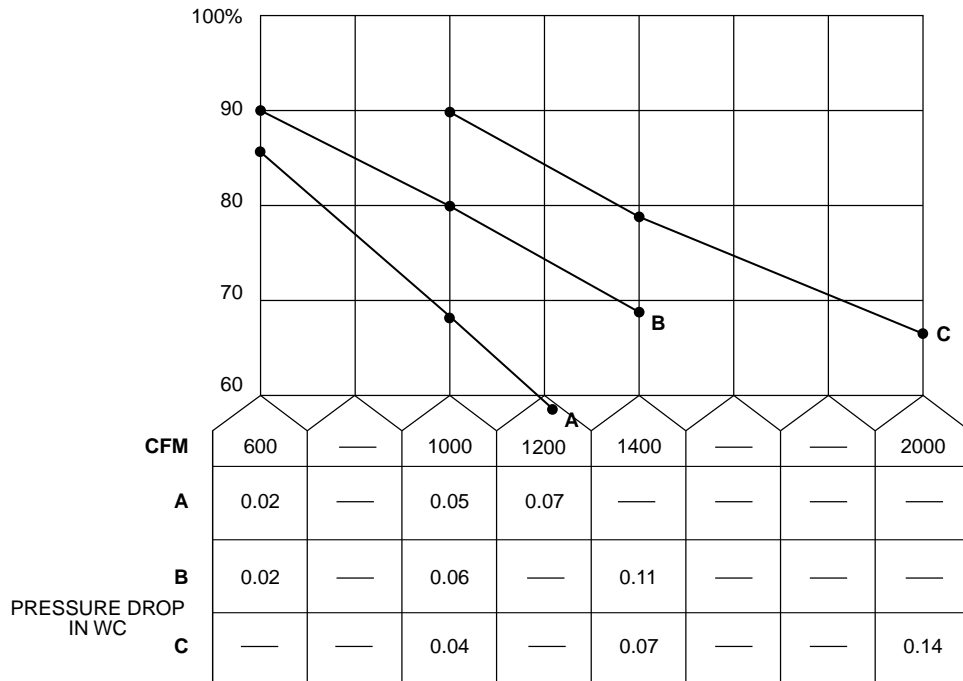
MODEL NUMBER NOMENCLATURE



SPECIFICATIONS

MODEL	AIRAAXBB0012	AIRAAXBB0014	AIRAAXBB0020
PERFORMANCE DATA			
Maximum Capacity	1200 CFM	1400 CFM	2000 CFM
Efficiency at Rated CFM	55% at 1200 CFM	68% at 1400 CFM	65% at 2000 CFM
Pressure Drop (in wc)	0.07 at 1200 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	120	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	2.5 mA @ 6.2 kVDC
PHYSICAL DATA			
Ionizer Wire Qty	13/cell	13/cell	13/cell
Cell Weight	6 lb/cell	10 lb/cell	12 lb/cell
Unit Weight	32 lb	41 lb	46 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
OPTIONAL EQUIPMENT			
Airflow Sensor	KEAAC0101AAA (Field-Installed Kit)	KEAAC0101AAA (Field-Installed Kit)	KEAAC0101AAA (Field-Installed Kit)
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

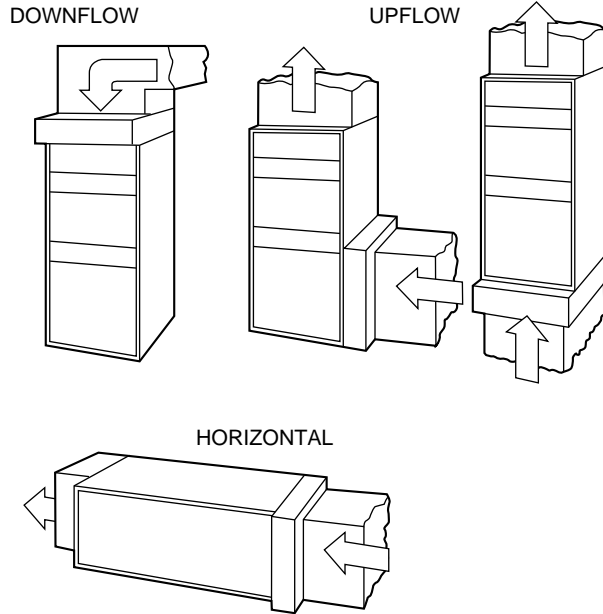


A	AIRAAXBB0012
B	AIRAAXBB0014
C	AIRAAXBB0020

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TYPICAL APPLICATIONS

Installations for Various Types of Furnaces

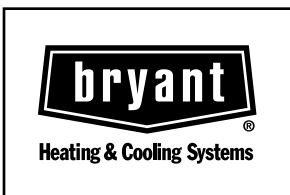


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AIR CLEANER PERFORMANCE CHART

Performance	STANDARD 1 IN. FILTER								
	GOOD MECHANICAL FILTER								
	FULL SIZE ELECTRONIC AIR CLEANER								
Living Airborne Organisms	BACTERIA								
	POLLEN			VIRUSES					
	PLANT SPORES								
Smoke	COOKING SMOKE & GREASE								
	TOBACCO SMOKE								
Minerals	ATMOSPHERIC & HOUSEHOLD DUST								
	COAL DUST								
	LINT			ANIMAL DANDER					
				INSECTICIDE DUST					
Partical Size in Microns	10	5	2	1	0.5	0.1	0.01	0.001	
	Visible w/ Naked Eye			Visible w/Microscope			Visible w/Electron Microscope		
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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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNIT MUST BE INSTALLED IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS

Cancels: PDS AIRA.14.1