



WHOLE-HOUSE HIGH EFFICIENCY MEDIA AIR CLEANERS



* MERV: Minimum Efficiency Reporting Value. Based on ASHRAE Standard 52.2.



MERV II

MODELS

DA-NC1625-A DA-NC2020-A DA-NC2025-A

Description

The Direct Air High Efficiency Media Air Cleaner has been designed to remove atmospheric and household dust, coal dust, insecticide dust, mites, pollen, mold spores, fungi, bacteria, pet dander, cooking smoke and grease, tobacco smoke particles, and more down to 0.3 micron (1/84,000 of an inch). Best solution for homes with allergy, asthma or respiratory sufferers, smokers, pets and mustiness. Helps protect and prolong the operating efficiency of the heating and cooling equipment.

Standard Features

- High Efficiency MERV* 11 Media Filter, rated at 492 feet/minute, removes airborne contaminants as small as 0.3 micron.
- Filter material is made of continuous hydrophobic polyolefin fibres that will not shred or absorb moisture. They are cellulose free and will not sustain mold growth.
- Unique filter design features a structured density gradient with an electret charge for higher initial and sustained efficiency over the life of the filter.
- Extra deep, 5-1/4 inch, 24 pleat filter, contains more media material than other filters on the market. More surface area means more collection area, longer filter life and lower static pressure.
- Perfect fit filter has an exact fit with the cabinet. Does not contain foam, sponge or fibreglass filler. Means all the air is passing through the filter and not through filler material, thereby maximizing the system's ability to clean the air.
- User-friendly, easy-to-change filter cartridge means no fussing with complicated combs or brackets.
- Filter lasts up to one year in standard applications. Reversible air flow. Mounts in any position.
- Easy to replace with a Direct Air High Efficiency Electronic Air Cleaner, which can remove harmful contaminants as small as 0.01 micron (1/2,540,000 of an inch).

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 resists corrosion.

Media Replacement Filters

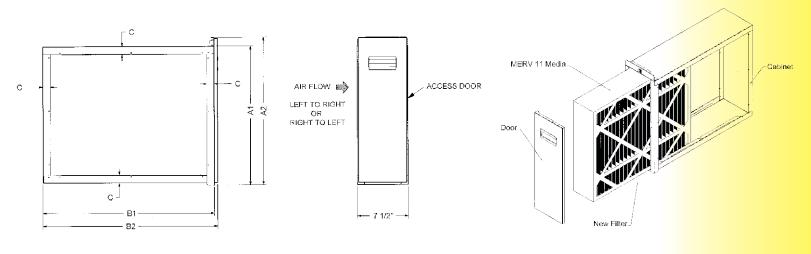
Replacement filters are packaged 3 per box. Replace 1 to 2 times per year depending on climate, home renovations, smoking in home, or number of pets.

Models:

DA-NC1625-A replace with Part #M1-1056 DA-NC2020-A replace with Part #M2-1056 DA-NC2025-A replace with Part #M8-1056



MODEL	DA-NC1625-A	DA-NC2020-A	DA-NC2025-A
House Size	3 000 ft ² 278.7 m ²	3 000 ft² 278.7 m²	3 000 ft² 278.7 m²
Air Flow	Up to 1 400 CFM Up to 2 379 m³/hr	Up to 1 400 CFM Up to 2 379 m³/hr	Up to 2 000 CFM Up to 3 398 m³/hr
Duct Size	16 x 25 in 40.6 x 63.5 cm	20 x 20 in 51 x 51 cm	20 x 25 in 51 x 63.5 cm
Intake Dimensions H x L	13.25 x 23.7 in 33.7 x 60.2 cm	18.1 x 18.75 in 46 x 47.6 cm	18.1 x 23.25 in 46 x 59.1 cm
Cabinet Dimensions W x H x L	7.5 x 17.4 x 26.5 in 19.1 x 44.2 x 67.3 cm	7.5 x 22.5 x 21.7 in 19.1 x 56.5 x 55.1 cm	7.5 x 22.5 x 26.1 in 19.1 x 56.5 x 66.3 cm
Weight	18 lbs 8.2 kg	19 lbs 8.6 kg	20 lbs 9.1 kg
Pressure Drop	.066 (in/wg) @ 246 fpm .217 (in/wg) @ 492 fpm	.062 (in/wg) @ 246 fpm .203 (in/wg) @ 492 fpm	.069 (in/wg) @ 246 fpm .207 (in/wg) @ 492 fpm
MERV Rating	11	11	11





MODEL	A1	A2	В1	B2	C	D	E
DA-NC1625-A	16	17.4	26	26.5	1.2	23.7	13.25
	40.6	44.2	66	67.3	3	60.2	33.7
DA-NC2020-A	20.75	22.25	21.2	21.7	1.2	18.75	18.1
	52.7	56.5	53.8	55.1	3	47.6	46
DA-NC2025-A	20.75	22.25	25.6	26.1	1.2	23.25	18.1
	52.7	56.5	65	66.3	3	59.1	46



HIGH **EFFICIENCY** MEDIA CLEANER **PLATFORMS** FOR GAS & **ELECTRIC FURNACES** AND AIR **HANDLERS**



PERFECT-PLATFORM

MODELS

DA-FB2832-M8 DA-FB2843-M8 DA-FB2232-M2 DA-FB2240-M8

Description

The new Perfect-Platform Series Media Air Cleaners by DIRECT AIR offer the most well-built, sleek de- signed and easiest to use galvanized sheet metal filter housings on the market, for residential and light commercial use. Space saving design for vertical installations, keeps furnace off floor allowing a cleaner, more professional installation. Eliminates the possibility of dust, pet hair, insects, rodents, water or sewer backup from entering the furnace. Allows furnace to work at maximum efficiency and ex- tends life of furnace by providing even air flow distribution across bottom. Especially ideal for High Efficiency Furnaces, where side returns require more installation time, and are inefficient compared to a bottom return. Allows filter to work at maximum efficiency by eliminat-ing need for transitions, deflectors or turning vanes, thereby saving installation time and costs. Removes atmospheric and household dust, coal dust, insecticide dust, mites, pollen, mold spores, fungi, bac-teria, viruses, pet dander, cooking smoke and grease, tobacco smoke particles, and more down to 0.3 micron (1/84,000 of an inch). Made to fit 1-3 ton or 3.5 ton and 5 ton electric air handlers or gas furnaces. Ideal for homes with allergy, asthma or respiratory suf- ferers, smokers, pets and mustiness. Helps protect and prolong the operating efficiency of the heating and cooling system.

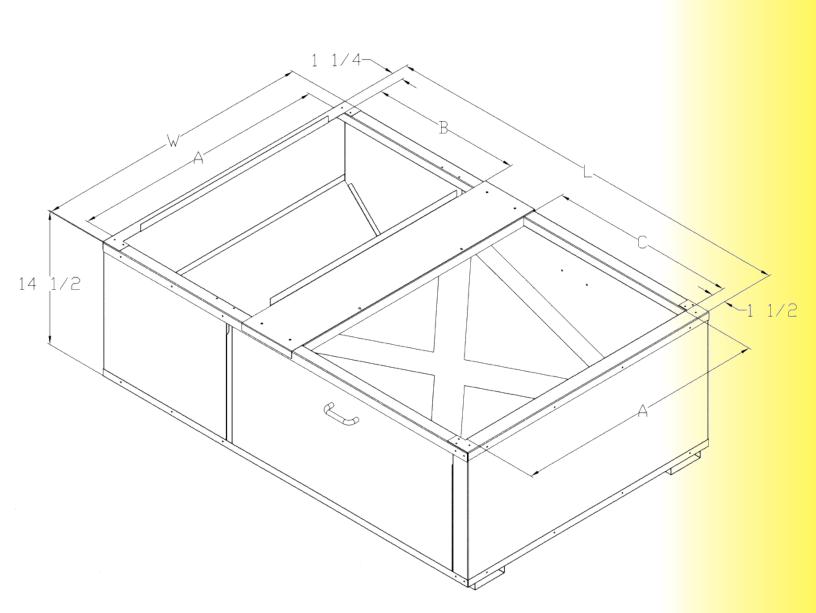
Standard Features

- High efficiency MERV 11 Media Filter is an extra deep, 51/4 inch filter which contains more media material than other filters on the market.
- More surface area means more collection area, longer filter life and lower static pressure. Filter lasts up to one year.
- Two, pull-out doors with handle allow filter access from either side.
- Adjustable inlet duct opening replaces need for field forming transition, significantly reducing installation time.
- Heavy 22 gauge galvanized sheet metal has been die cut for smooth edges, allowing for a smoother installation.
- Solid cabinet is riveted for sturdiness and long life. Individually boxed for convenient





MODEL	L	P	A	В	C	Weight	Pressure Drop	Filter size	Replacement filter
DA-FB2832-M8	28½	32	26½	8	13½	35.25	0.069(in./wg)@ 246 fpm 0.069(in./wg)@ 246 fpm	20 x 25	M8-1056
DA-FB2843-M8	28½	43	26½	10 12	9 22½	41.7	0.069(in./wg)@ 246 fpm 0.207(in./wg)@ 492 fpm	20 x 25	M8-1056
DA-FB2232-M2	22½	32	20½	9½	14½	43.25	0.062(in./wg)@ 246 fpm 0.203(in./wg)@ 492 fpm	20 x 20	M2-1056
DA-FB2240-M8	22½	40	20½	12	20	53.0	0.069(in./wg)@ 246 fpm 0.207(in./wg)@ 492 fpm	20 x 25	M8-1056





WHOLE-HOUSE RIGHT ANGLE MEDIA (RAM) AIR CLEANER



* MERV: Minimum Efficiency Reporting Value.. Based on ASHRAE Standard 52.2.



MERV II

MODEL
DA-RAM2000

Description

The Direct Air High Efficiency Right Angle Media (RAM) Air Cleaner is a space-saving design for vertical installations. Removes atmospheric and household dust, coal dust, insecticide dust, mites, pollen, mold spores, fungi, bacteria, pet dander, cooking smoke and grease, tobacco smoke particles, and more down to 0.3 micron (1/84,000 of an inch). Space saving design for vertical installations, reduces installation space by 6-8 inches. Eliminates the need for a 90° duct adapter, as it works as a turning vane providing even distribution across the media filter. Helps protect and prolong the operating efficiency of the heating and cooling equipment.

Standard Features

- Adjustable inlet duct opening replaces need for field forming transition, significantly reducing installation time.
- Reversible air flow. Two access doors allow versatile installation and easy maintenance.
- High Efficiency MERV* 11 Media Filter, rated at 492 feet/minute, removes airborne contaminants down to 0.3 micron.
- Filter material is constructed of continuous hydrophobic polyolefin fibres that will not shred or absorb moisture. They are cellulose free and will not sustain mold growth.
- Unique filter design features a structured density gradient with an electret charge for higher initial and sustained efficiency over the life of the filter.
- Extra deep, 5 1/4 inch, 24 pleat filter, contains more media material than other filters on the market. More surface area means more collection area, longer filter life and lower static pressure.
- Perfect fit filter allows no air gaps, thereby maximizing the system's ability to clean the air.
- User-friendly, easy-to-change filter cartridge means no fussing with complicated combs or brackets.
- Filter will last up to one year in standard applications.

Cabinet Construction Features

Heavy gauge galvanized steel cabinet resists corrosion and provides trouble-free vertical installation. Holes are provided to facilitate mounting to the duct work or air handling system. Durable powder coat paint finish on doors (2). Resists corrosion.

Media Replacement Filter

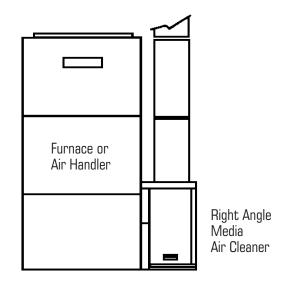
Replacement filters are packaged 3 per Box. Replace 1 to 2 times per year depending on climate, home renovations, smoking in home, or number of pets.

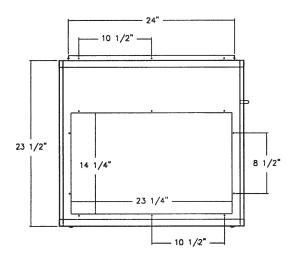
DA-RAM2000 replace with Part #M8-1056

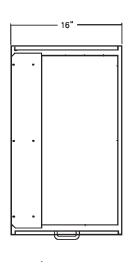


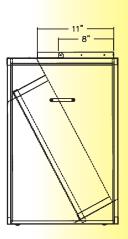
MODEL	DA-RAM2000		
Air Flow	Up to 2000 cfm / 3398 m³/hr		
Dimensions (w x d x h)	16 x 26-3/4 x 23-1/2 in 40.6 x 67.9 x 59.7 cm		
Adjustable Inlet	8 x 24 po. / 10 x 24 in / 11 x 24 in		
(3 sizes)	20.3 x 61 cm / 25.4 x 61 cm /27.9 x 61 cm		
Outlet (d x h)	23-1/4 x 14-1/4 in 59.1 x 36.2 cm		
Unit Weight	34 lb 15.4 kg		
Pressure Drop	.069 (in./wg) @ 246 fpm .207 (in./wg) @ 492 fpm		
MERV Rating	11		

TYPICAL INSTALLATION





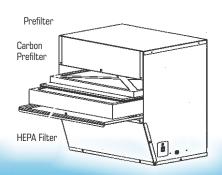






WHOLE-HOUSE DUCT MOUNT HEPA AIR CLEANER





HEPA

MODELS DA-HEPADM400-VS

Description

The DIRECT AIR Whole House Duct Mount HEPA 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 0.3 micron (1/84,000 of an inch) with 99.97% efficiency on the first pass of air. It's ideal for homes that have tight space conditions in their furnace/air conditioning rooms. This unit is compact and can be installed directly on the return air vent. It can also be mounted directly to the furnace and collar mounted to the return air duct to save space. 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

- Highly Efficient MERV 11 Prefilter removes lint and hair before they enter HEPA filter.
- Activated Carbon Prefilter removes odors to ex-tend the life of the HEPA filter.
- Long-life, 99.97% HEPA Media Filter removes particles 0.3 micron (1/84,000 of an inch) and larger. The HEPA filter becomes more efficient as it becomes dirtier with time.
- Powerful variable speed European motor delivers up to 320 CFM of pure air, without adding static pressure to the HVAC system.
- Plug-in Power Cord provides convenient electrical connection.
- Versatile installation can be duct mounted, collar mounted or free-standing.

Cabinet Construction Features

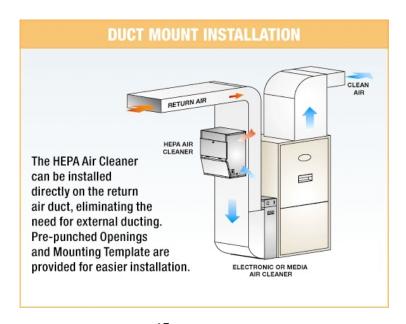
One piece wrap, steel cabinet has powder-coat paint finish to provide rigid installation and durability. Pre-punched openings at back of unit and mount- ing template are provided for easier duct mount installation; no external ducting required. Pre-punched openings at top and bottom of unit facilitate collar mount installation.

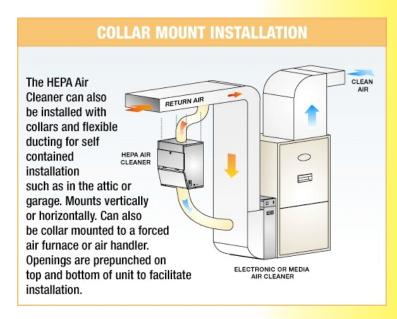
Media Replacement Filters

PART NUMBER	DESCRIPTION	REPLACE EVERY
DMH4-0400	HEPA Media Filter	2-3 years
DMH4-0855	Prefilter, MERV 11	3-6 months
DMH4-0810	Carbon Prefilter	3-6 months



MODEL	DA-HEPADM400-VS
Air Flow:	Up to 320 CFM/ 544 m³/h
Whole-House Air Changes Per Day: 1 500 sq ft home	39 Air Changes / Day
2 000 sq ft home	29 Air Changes / Day
Prefilter (MERV 11)	3.1 ft² 0.29 m²
Carbon Prefilter	1.33 ft² 0.12 m²
HEPA Media Filter	40 ft² 3.7 m²
Power	120 V / 60 Hz
Plug-in Power Cord	10.0 ft 3.05 m
Cabinet Dimensions WxDxH	16.25 x 12.75 x 20.13 in 41.3 x 32.4 x 51.1 cm
Intake Duct Fitting	14.5 x 3.75 po. ou 8 in (dia) 36.8 x 9.5 cm ou 20.3 cm (dia)
Outflow Duct Fitting	14.5 x 4.37 po. ou 8 in (dia) 36.8 x 11.1 cm or 20.3 cm (dia)
Unit Weight	38 lbs 17.2 kg





HOW IT WORKS

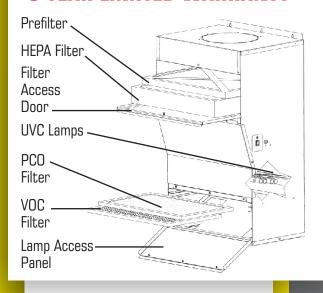
Millions of airborne particulates and gases travel through the heating/cooling system 4-5 times every hour. The HEPA Air Cleaner connects to the return air duct and diverts 1/3 to 1/2 of this dirty air through a sealed 3-stage filtration system. A home can reach 39 or more whole-house air changes/day depending on the house size. And when a DIRECT AIR High Efficiency Electronic or Media Air Cleaner is added to the return air, the home can achieve 96 + whole -house air changes/day (with system fan on continuous).



WHOLE-HOUSE DUCT MOUNT HEPA AIR CLEANER WITH ULTRAVIOLET LIGHT & PHOTO CATALYTIC FILTER



5 YEAR LIMITED WARRANTY



HEPA

UV Lamp

MODEL
DA-DM900UV-VO-VS

Description

The Quartz® by DIRECT AIR offers the ultimate in air filtration and sterilization. This patent-pending combina- tion uses HEPA, UVC Germicidal Light (non ozone pro- ducing) and Photo Catalytic Oxidation. It removes and destroys allergens, lung damaging atmospheric dust, biological and chemical contaminants and odors, such as formaldehyde, toluene, benzene, cooking odors, tobacco smoke, bacteria, viruses, mold and lots more. Ideal for residential and light commercial applications where there are allergy, asthma or respiratory sufferers, new construction odors, smokers, pets, cooking odors, mold, water and sewer damage.

Standard Features

- Charcoal Prefilter protects the HEPA filter while removing lint, hair and larger particles.
- Long-life, 99.97% HEPA Media Filter removes particles 0.3 micron (1/84,000 of an inch) and larger such as atmospheric and household dust, coal dust, insecticide dust, mites, pollen, mold spores, fungi, bacteria, vi- ruses, pet dander, cooking smoke and grease, tobacco smoke particles and more. The HEPA filter becomes more efficient as it becomes dirtier with time.
- Two UVC Germicidal Lights are enclosed in a Reflector which intensifies the UVC rays.
- Unique CinQuartz® Photo Catalytic Oxidation Filter (PCO) has a very high surface exchange capability and allows UV light into the mass of the material — means there is absorption throughout the whole CinQuartz filter instead of just on the surface. The combination of the UVC light and the CinQuartz® decomposes organic materials into basic molecules such as H2O and CO2.
- Charcoal/ Potassium Permanganate Final Filter for removal of Volatile Organic Compounds (VOC's) and light gases.
- Powerful energy efficient, variable speed European motor delivers up to 250 CFM of pure air, without adding static pressure to the HVAC system.
- Plug-in Power Cord provides convenient electrical connection.
- Versatile installation can be duct mounted, collar mounted or used as a stand alone unit. Stands avail- able with or without wheels.

Cabinet Construction Features

One piece wrap, steel cabinet has powder-coat paint finish to provide rigid installation and durability. Pre-punched openings at back of unit and mounting template are provided for easier duct mount installation; no external ducting required. Pre-punched openings at top and bottom of unit facilitate collar mount installation

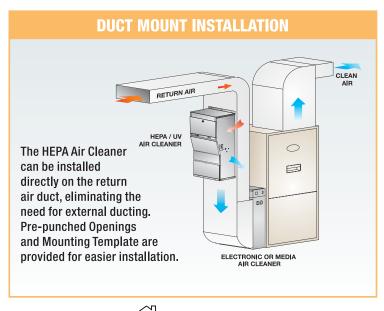
Media Replacement Filters

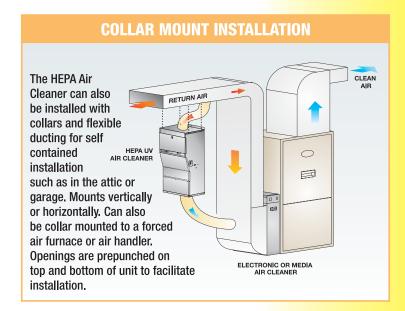
PART	DESCRIPTION
DM900-0855	Charcoal Prefilter
DMH4-0400	UV Lamp and gloves
DM900-0191	PCO Filter Photo Catalytic
DM900-0450	Oxidation
DM900-0810	Final FilterCharcoal/Potassium Permanganate





MODEL	DA-DM900UV-VO-VS							
Air Flow: Variable Speed	Up to 250 CFM	Up to 425 m³/h						
Charcoal Prefilter: DM900-0855	Replace every 3-6 months							
Removes lint and large particles								
Long-Life, 99.97% HEPA Media: DMH4-0400	40 ft ²	3.7 m ²						
Removes pollutants 0.3 micron	Replace every 2-4 years	Replace every 2-4 years						
Germicidal UVC Light: DM900-0191	O.D. Illa J. Davissa sussess	10,000						
Strongest light intensity kills bacteria, viruses, mold, fungi, allergens	2 Builds Replace every 1	13,000 hours or 2-3 years						
CinQuartz® Substrate PCO Filter: DM900-0450	Replace every 13,000 hours or 2-3 years							
Removes Volatile Organic Compounds (VOC's)	Heplace every 10,000 hours of 2-0 years							
Charcoal/ Potassium Permanganate Final Filter: DM900-0810	Replace every 1-2 years							
Removes VOC's and light gases								
Complete 2-3 Year Maintenance Kit: DM900-1003	Replace eve	ry 2-3 years						
Contains 1 HEPA Filter, 4 Charcoal Prefilters, 2 UVC Lamps,	·							
1 Photo Catalytic Oxidation (PCO) Filter, 2 Charcoal/ Potassium								
Permanganate Final Filters, gloves								
Cabinet Dimensions: H x W x D	29 .5 x 16.25 x 12.75 in	74.9 x 41.3 x 32.4 cm						
Intake Duct Fitting	14.5 x 3.75 po ou 8 in (dia)	36.8 x 9.5 cm or 20.3 cm (dia)						
Outflow Duct Fitting	14.5 x 4.37 po ou 8 in (dia)	36.8 x 11.1 cm or 20.3 cm (dia)						
Input Voltage	120 V	60 hz						
Power Consumption	200 watts							
Power Cord	10.0 ft	3.05 m						
Unit Weight	47 lbs	21.3 kg						





HOW IT WORKS

Millions of airborne pollutants are carried through the return air ducts of the heating/cooling system. The Air Purifier has been designed to be installed on the return air duct. A portion of this return air is bypassed through an opening on the back of the unit and passes through a 5-stage filtration system. The air passes through a pleated Charcoal Prefilter which removes lint and large particles to extend the life of the HEPA filter. Smaller particles then pass through a long-life, 99.97% HEPA (High Efficiency Particulate Air) Media Filter which captures particles 0.3 micron (1/84,000 of an inch) and larger. The clean air passes through a reflection chamber where two Ultraviolet Germicidal Lamps emit powerful UVC light rays which a re designed to kill or inhibit bacteria, viruses, mold, fungus and microbial growth. These are non-ozone producing lamps. The Ultraviolet Lights are also used to activate the unique CinQuartz Media located below the UVC lamps. The Photo Catalytic Oxidation (PCO) Filter is a Quartz media coated with nanoparticles of Titanium Dioxide (TiO2). The combined action of the UVC light and the TiO2 decomposes organic materials into basic molecules such as H2O and CO2 and reduces odors and VOC's as a result. A Charcoal/ Potassium Permanganate Final Filter further reduces VOC's and light gases. Clean air is discharged back into the return air duct.



WHOLE-HOUSE HIGH EFFICIENCY ELECTRONIC AIR CLEANERS





DIRECT AIR ELECTRONIC AIR CLEANER



MERV 16 ELECTRONIC

MODELS

DA-SASD-11ASC DA-SASD-12ASC DA-SASD-18ASC

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 (3) 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.
- 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.

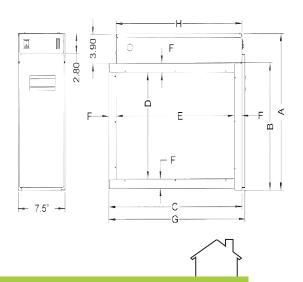
Accessories

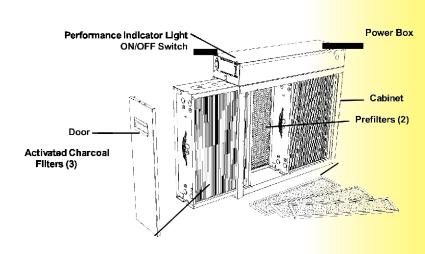
DAX Air Cleaner Detergent simplifies the washing process by quickly and safely removing contaminants from filters. 32 oz. (1 L) Spray Bottle, Part #9900 Activated Charcoal Filters (3 per pack). Replace every 3-4 months.

Models:

DA-SASD-11 DA-SASD-12, DA-SASD-18 Part # 1156-3 Part # 1856-3

MODEL	DA-SASD-11ASC	DA-SASD-12ASC	DA-SASD-18ASC
House Size Area	<3 000 ft ² <278.70 m ²	<3 000 ft ² <278.70 m ²	$<3~000~{\rm ft^2}$$<278.70~{\rm m^2}$
Airflow	up to 1 400 CFM	up to 1 400 CFM	up to 2 000 CFM
	up to 2 380 m³/hr	up to 2 380 m³/hr	up to 3 400 m³/hr
Duct Size	16 x 25 in	20 x 20 in	20 x 25 in
	40.5 x 63.5 cm	51.0 x 51.0 cm	51.0 x 63.5 cm
Unit Weight	37 lbs	37 lbs	41 lbs
	16.8 kg	16.8 kg	18.6 kg
Input Voltage	120 V 60 Hz	120 V 60 Hz	120 V 60 Hz
Power Consumption	30 Watts	30 Watts	30 Watts
Upgrades Included	Charcoal Filters	Charcoal Filters	Charcoal Filters
	Air Switch	Air Switch	Air Switch





DIMENSIONS in/cm

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



directairhyac.com

Air Quality

at its best

Retailer