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CARRIER P101-1402A Owner's Manual

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TOTALINE®*Signature*

Electronic AIR CLEANERS

INDOOR AIR QUALITY



Totaline® Signature Series Electronic Air Cleaners were designed with the dealer in mind. Their design includes an easy access power supply that can be easily removed to simplify and shorten on-site servicing. Other parts “snap-in” for simplified service as well. Totaline® Signature Series Electronic Air Cleaners have a strong cabinet, reliable power supply, and a very sturdy cell.

Features:

- Built-in internal fuse protects the 24V transformer in the event of a power failure
- Built-in airflow sensor
- Fail-safe connection with built-in air flow sensor eliminates the possibility of incorrect wiring by the service technician
- Permanent, washable, aluminum and stainless steel collecting cells for longer service life
- Increases the efficiency of HVAC systems by keeping cooling coils clean
- Aluminum mesh pre-filter traps large particles such as dirt, lint and pet hair
- An optional charcoal after-filter to reduce common household odors
- Easy to clean cells and pre-filters
- Available in 1400 or 2000 CFM
- Three year limited warranty
- U.L./C.U.L. listed



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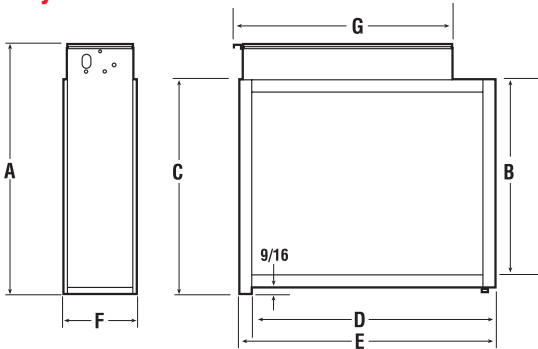
Literature Number 570-990

Electronic Air Cleaners

Specifications and Electrical Requirements:

SPECIFICATIONS					ELECTRICAL REQUIREMENT					
PART NUMBER	MAX CAPACITY	CELL WEIGHT	UNIT WEIGHT	TEMPERATURE RATE	INPUT POWER				OUTPUT POWER	
					INPUT VOLTS	INPUT HZ	NORMAL WATTS	MAXIMUM WATTS	OUTPUT VOLTS	OUTPUT AMPERES
P101-1402A	1400 CFM (2380 m³/hr.)	(2) 10 lbs. ea. (4.54 kg.)	32 lbs. (14.5 kg.)	32°F (0°C) to 125°F (47°C)	120	50/60	48	55	6.2 kvDC	2.5 mADC
P101-2002A	2000 CFM (3400 m³/hr.)	(2) 12 lbs. ea. (5.44 kg.)	36 lbs. (16.3 kg.)	32°F (0°C) to 125°F (47°C)	120	50/60	53	61	6.2 kvDC	3.2 mADC
P101-2020A	1400 CFM (2380 m³/hr.)	(2) 9 lbs. ea. (4.09 kg.)	35 lbs. (15.9 kg.)	32°F (0°C) to 125°F (47°C)	120	50/60	48	55	6.2 kvDC	2.5 mADC

Physical Dimensions:



A	B	C	D	E	F	G
Model P101-1402A Dimensions						
20.25 in (514 mm)	13.875 in (352 mm)	16.9375 in (430 mm)	22.5 in (572 mm)	24.875 in (632 mm)	7.125 in (181 mm)	21.4375 in (541 mm)
Model P101-2002A Dimensions						
24.25 in (616 mm)	17.875 in (454 mm)	20.9375 in (532 mm)	22.5 in (572 mm)	24.875 in (632 mm)	7.125 in (181 mm)	21.4375 in (541 mm)
Model P101-2020A Dimensions						
24.25 in (616 mm)	17.875 in (454 mm)	20.9375 in (532 mm)	19 in (483 mm)	21.375 in (543 mm)	7.125 in (181 mm)	18.625 in (473 mm)

Pressure Drop:

PART NUMBER	600cfm	1000cfm	1400cfm	2000cfm
P101-1402A	.02	.05	.11	n/a
P101-2002A	n/a	.04	.07	.14
P101-2020A	.02	.05	.11	n/a

Information Source: Trion Inc.

Totaline® Signature Series Electronic Air Cleaner Effectiveness:

Airborne Pollutants	Actual Micron Particle Size Range	A Proportionate Particle Size Comparison
Human Hair	35-200 microns	
Pollen	10-100 microns	
Spores	10-35 microns	
Bacteria	.3-35 microns	
Animal Dander	.3-10 microns	
Lung Damaging Dust	.5-5 microns	
Smoke	.01-1 microns	

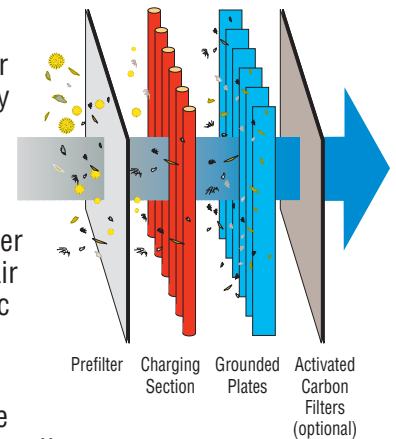
Information Source: American Industrial Hygiene Association

How It Works:

Totaline® Signature Series Electronic Air Cleaners are directly mounted to your home's heating and cooling system.

- The furnace blower moves the dirty air into the Electronic Air Cleaner.
- The prefilter first removes all of the larger particulate matter.
- Smaller particles are then given a powerful positive electrical charge in the charging section.
- These charged particles are then attracted to the oppositely charged grounded plates, where they adhere like a magnet until washed away during cleaning.
- Finally the cleaner air passes through the activated carbon filters for odor removal (optional) and is recirculated back into your home.

4-Stage Electronic Air Cleaning



Also available:

- Optional charcoal after-filter to reduce household odors.

