

F300 High Efficiency Electronic Air Cleaner



Capturing up to 98% of particles (3.0 - 10.0 micron) that pass through the filter, the F300 offers a level of filtration among the highest. It is widely compatible, operating with all gas, oil and electric forced warm air furnaces and air-conditioning systems, and is also available in four convenient sizes to fit most ducts.

- Media post-filter provides enhanced filtration
- Solid state power supply is self-regulating and maintains peak efficiency during a wide range of cell dirt loading conditions
- Low-profile door with test button to check system operation
- Helps filter efficiency-robbing "gunk" before it coats critical system parts
- Very low pressure drop
- Exclusive 10-year Clean Coil Guarantee
- Rugged zinc-coated, roll-formed cabinet provides superior strength and corrosion protection

Application: Duct mounted

Electrical Ratings: 120 Vac, 0.4A max

Frequency: 60 Hz

Efficiency Standard: Efficiency ratings are based on American Society of Heating, Refrigerating and Air-Conditioning Engineers Standard 52.2-1999. Efficiency ranges are defined for small particles, E1=0.3 to 1.0 microns; medium particles, E2=1.0 to 3.0 microns; and large particles, E3=3.0 to 10.0 microns.

Approvals

Underwriters Laboratories, Inc: Listed: Report E30954

Accessories:

W8600A1007-AIRWATCH indicator for use with F100F, F200 or F300A,E

W8600F1014-White EAC Performance indicator for use with F50F or F300E

Replacement Parts:

4074EHG-FC37A Terminal Board Repair Kit. Contains 2 connector clips, 1 Terminal Board and instruction sheet

FC37A1049-Electronic Air Cleaner Cell, 9.8 x 20

FC37A1064-Electronic Air Cleaner Cell, 12.4 x 20

FC37A1114-Electronic Air Cleaner Cell, 9.8 x 16

FC37A1130-Electronic Air Cleaner Cell, 12.4 x 16

203365A-Conversion Kit for changing 120V Power Supply to 240V

50000293-001-16x10 Post Filter for 16x20 F300E and F50F

50000293-002-16x12.5 Post Filter for 16x25 F300E and F50F

50000293-003-20x10 Post Filter for 20x20 F300E and F50F

50000293-004-20x12.5 Post Filter for 20x25 and 20x12.5 F300E and F50F

F300 Electronic Air Cleaner

Product Number	Air Cleaner Size-Dimensions, Approximate		Airflow Max. Capacity		Fractional Efficiency	Static Pressure Drop (in. w.c.)	Replacement Filters
	(inch)	(mm)	(cfm)	(m ³ /hr)			
* F300A1620/U	16 in. x 20 in.	406 mm x 508 mm	1200 cfm	2040 m ³ /hr	E1=73%, E2=88%, E3=95%	0.15 at 500 FPM	50000293-001
* F300A1625/U	16 in. x 25 in.	406 mm x 635 mm	1400 cfm	2380 m ³ /hr	E1=73%, E2=88%, E3=95%	0.15 at 500 FPM	50000293-002
* F300A2012/U	20 in. x 12 1/2 in.	508 mm x 318 mm	875 cfm	1487 m ³ /hr	E1=73%, E2=88%, E3=95%	0.15 at 500 FPM	50000293-004
* F300A2020/U	20 in. x 20 in.	508 mm x 508 mm	1400 cfm	2380 m ³ /hr	E1=73%, E2=88%, E3=95%	0.15 at 500 FPM	50000293-003
* F300A2025/U	20 in. x 25 in.	508 mm x 635 mm	2000 cfm	3400 m ³ /hr	E1=73%, E2=88%, E3=95%	0.15 at 500 FPM	50000293-004
* F300B2012/U	20 in. x 12 1/2 in.	508 mm x 318 mm	875 cfm	1487 m ³ /hr	E1=73%, E2=88%, E3=95%	0.15 at 500 FPM	50000293-004

* TRADELINE models • SUPER TRADELINE models

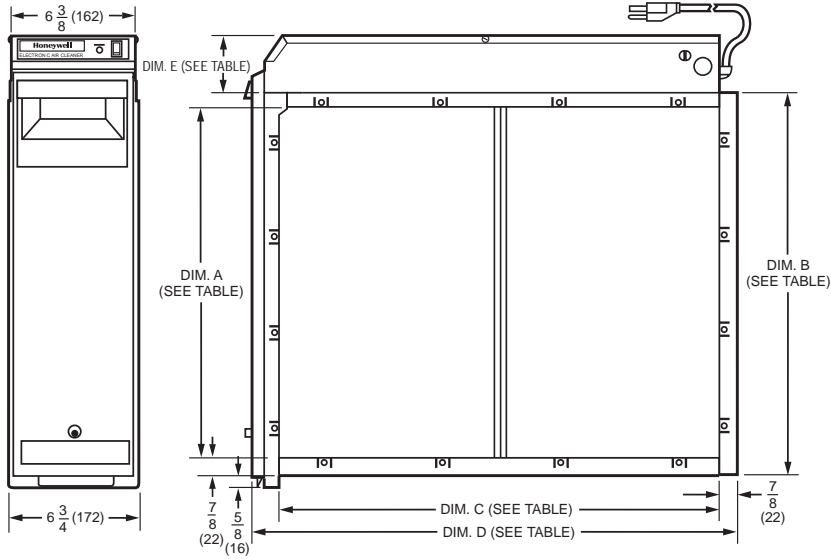
F300 Electronic Air Cleaner with Performance Enhancing Post Filter

Product Number	Air Cleaner Size-Dimensions, Approximate		Airflow Max. Capacity		Fractional Efficiency	Static Pressure Drop (in. w.c.)	Replacement Filters	Comments
	(inch)	(mm)	(cfm)	(m ³ /hr)				
* F300E1001/U	16 in. x 20 in.	406 mm x 508 mm	1200 cfm	2040 m ³ /hr	E1=81%, E2=93%, E3=99%	0.26 at 500 FPM	50000293-001	Enhanced Filtration
* F300E1019/U	16 in. x 25 in.	406 mm x 635 mm	1400 cfm	2380 m ³ /hr	E1=81%, E2=93%, E3=99%	0.26 at 500 FPM	50000293-002	Enhanced Filtration
* F300E1027/U	20 in. x 20 in.	508 mm x 508 mm	1400 cfm	2380 m ³ /hr	E1=81%, E2=93%, E3=99%	0.26 at 500 FPM	50000293-003	Enhanced Filtration
* F300E1035/U	20 in. x 25 in.	508 mm x 635 mm	2000 cfm	3400 m ³ /hr	E1=81%, E2=93%, E3=99%	0.26 at 500 FPM	50000293-004	Enhanced Filtration

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Electronic Air Cleaners

F300 Electronic Air Cleaner dimensions in inches (millimeters)

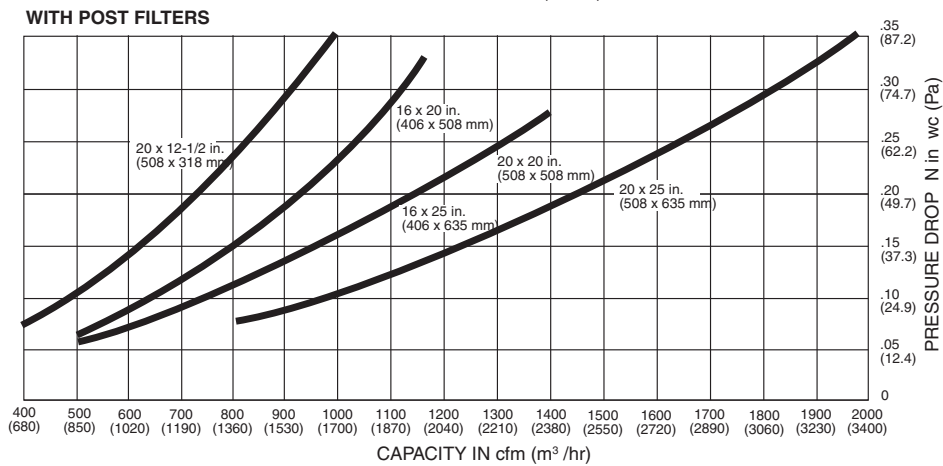
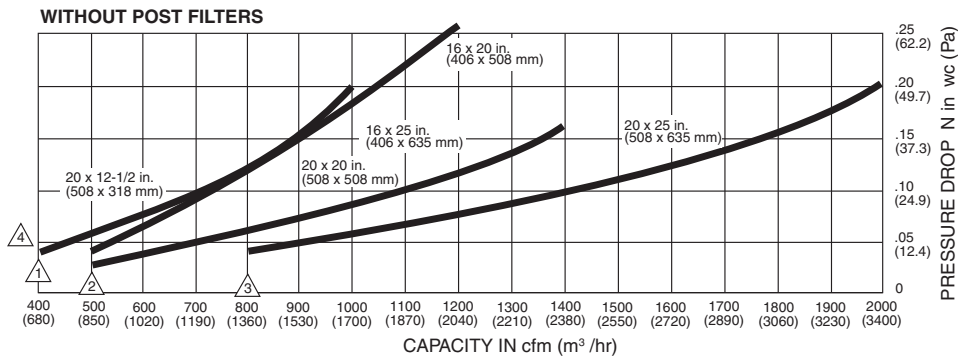


F50F SIZE		DIM. A		DIM. B		DIM. C		DIM. D		DIM. E	
IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
16 X 25	406 X 635	14 7/16	367	16 3/16	411	23 1/4	591	25 1/2	648	2 3/4	70
16 X 20	406 X 508	14 7/16	367	16 3/16	411	18 1/4	457	20 1/2	521	2 3/4	70
20 X 25	508 X 635	18 7/16	468	20 3/16	513	23 1/4	591	25 1/2	648	2 3/4	70
20 X 20	508 X 508	18 7/16	468	20 3/16	513	18 1/4	457	20 1/2	521	2 3/4	70
20 X 12 1/2	508 X 318	18 7/16	468	20 3/16	513	10 7/8	276	13 1/8	333	3 5/8	92

M2872B

Pressure Drop versus Airflow

AIR CLEANER EFFICIENCY AND PRESSURE DROP AT VARIOUS AIRFLOW RATES.



- △ MINIMUM RECOMMENDED cfm FOR 20 x 12-1/2 in. (508 x 318 mm) MODEL.
- △ MINIMUM RECOMMENDED cfm FOR 16 x 25 in. (406 x 635 mm), 20 x 20 in. (508 x 508 mm), 16 x 20 in. (406 x 508 mm) MODELS.
- △ MINIMUM RECOMMENDED cfm FOR 20 x 25 in. (508 x 635 mm) MODEL.
- △ SELECT SIZE THAT MOST CLOSELY FITS DIMENSIONS OF FURNACE/AIR HANDLER RETURN AIR OPENING

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