

Residential Air Cleaners

F50F Electronic Air Cleaner

High efficiency electronic air cleaner that mounts in return air duct of forced air heating, cooling and ventilating systems.

- Removes airborne particles from the air circulated through it.
- Available in five sizes to fit most return air ducts; adapts to air flow from either side.
- Solid state power supply is self-regulating, maintaining peak air cleaner efficiency over a wide range of cell dirt loading conditions.
- Dual voltage solid state power supply allows more efficient particle charging (8150V) and more collection surface area (4280V).
- Includes solid state airflow switch. No need for separate sail switch or fan relay.
- Models include a line cord to simplify installation and reduce installation costs.
- Rugged, zinc-coated, roll-formed cabinet provides superior strength and corrosion protection.
- Lower air cleaner profile fits today's smaller equipment cabinets and installation spaces.
- Solid state airflow switch sensitivity makes it compatible with variable speed equipment.
- Safety interlock switch disconnects power and discharges cell when door is opened.
- Test button check system operation.
- Optional W8600E Solid State Performance Indicator monitors air cleaner performance; reminds homeowner when a cell and prefilter wash is due, and when to check the system.



- Electronic cells can be washed in most home dishwashers.
- Conforms to FCC Class B requirements.

APPROVALS:

Underwriters Laboratories Inc. Listed
Canadian Standards Association Certified.

TEMPERATURE RATINGS:

Operating: 40 F to 125 F (4 C to 52 C).
Cell Washing: 220 F (140 C) Maximum.

ELECTRICAL RATINGS:

Size		No. Cells	Airflow, Capacity		Current	
in.	mm		cfm	m ³ /hr.	120V, 60 Hz	240V, 60 Hz
20 x 12½	508 x 318	1	1000	1700	0.4A max.	0.2A max.
16 x 25	406 x 635	2	1400	2380	0.4A max.	0.2A max.
16 x 20	406 x 508	2	1200	2040	0.4A max.	0.2A max.
20 x 25	508 x 635	2	2000	3400	0.4A max.	0.2A max.
20 x 20	508 x 508	2	1400	2380	0.4A max.	0.2A max.

Power Consumption:

1 cell model Maximum—22W.
2 cell model Maximum—36W.

ACCESSORIES:

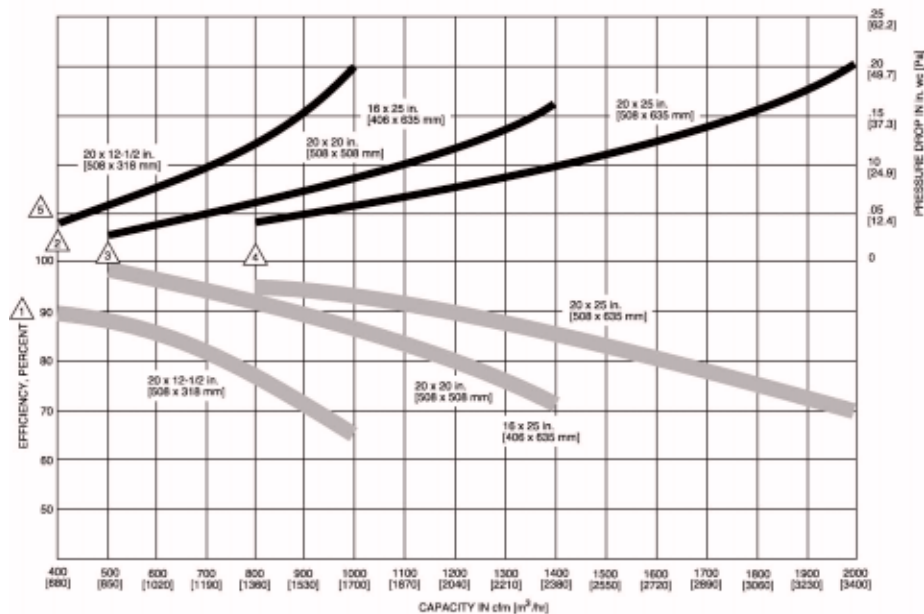
203365A Conversion Kit for changing 120V, 60 Hz model to 240V, 60 Hz.

REPLACEMENT PARTS:

See Parts and Accessories at the end of this section.

F50F capacity plotted against efficiency and pressure drop.

AIR CLEANER EFFICIENCY AND PRESSURE DROP AT VARIOUS AIRFLOW RATES.



△ EFFICIENCY RATINGS BASED ON NATIONAL BUREAU OF STANDARDS INITIAL DUST SPOT METHOD USING ATMOSPHERIC DUST, AND AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS STANDARDS 52.1-92.
△ MINIMUM RECOMMENDED cfm FOR 20 x 12-1/2 in. [508 x 318 mm] MODEL.

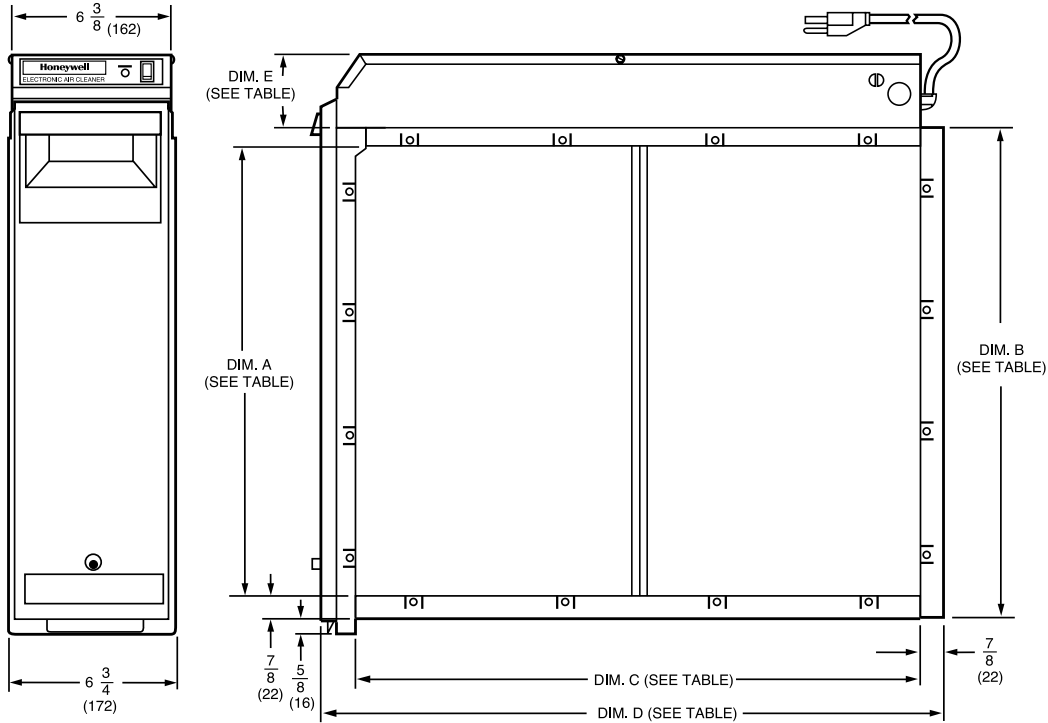
△ MINIMUM RECOMMENDED cfm FOR 16 x 25 in. [406 x 635 mm] AND 20 x 20 in. [508 x 508 mm] MODELS.
△ MINIMUM RECOMMENDED cfm FOR 20 x 25 in. [508 x 635 mm] MODEL.
△ SELECT SIZE THAT MOST CLOSELY FITS DIMENSIONS OF FURNACE/AIR HANDLER RETURN AIR OPENING

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Residential Air Cleaners

F50F continued

Approximate dimensions in inches (mm).



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

M2872A

Indoor Air Quality

NOTE: All F25F Media Air Cleaners can be upgraded easily to an F50F Electronic Air Cleaner.

Available only through Honeywell Perfect Climate Authorized Distributors.

All F50F duct-mounted electronic air cleaners include cabinet, access door, solid state power supply circuit board with remote performance indication capability (order indicator separately), line cord (except F50F1057), solid state airflow switch, electronic cell(s), and prefilters.

* TRADELINE models.

Order Number	Voltage/ Frequency	Airflow, Capacity		Nominal Return Air Opening		No. Cells	Nominal Size of Cell		Weight (installed)	
		cfm	m ³ /hr	in.	mm		in.	mm	lb	kg
*F50F1032 ^a	120V, 60 Hz	1400	2380	20 x 20	508 x 508	2	10 x 20 x 4 1/2	254 x 508 x 114	29	13.2
*F50F1040 ^a	120V, 60 Hz	1000	1700	20 x 12 1/2	508 x 318	1	12 1/2 x 20 x 4 1/2	318 x 508 x 114	21	9.5
*F50F1057	240V, 60 Hz	1000	1700	20 x 12 1/2	508 x 318	1	12 1/2 x 20 x 4 1/2	318 x 508 x 114	21	9.5
*F50F1065 ^a	120V, 60 Hz	2000	3400	20 x 25	508 x 635	2	12 1/2 x 20 x 4 1/2	318 x 508 x 114	33	15.0
*F50F1073 ^a	120V, 60 Hz	1400	2380	16 x 25	406 x 635	2	12 1/2 x 16 x 4 1/2	318 x 406 x 114	28	12.7
*F50F1149	120V, 60Hz	1200	2040	16 x 20	406 x 508	2	10 x 16 x 4 1/2	254 x 406 x 114	25	11.4

^a Use 203365A Conversion Kit if 240V, 60 Hz is required.