

# Residential Air Cleaners

## F52 Return Grille Electronic Air Cleaner

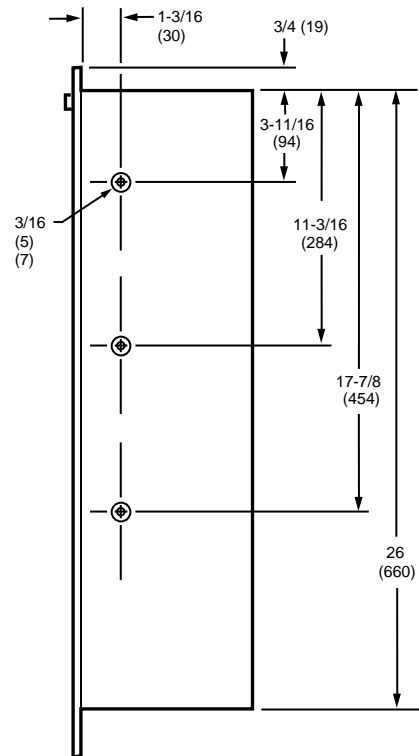
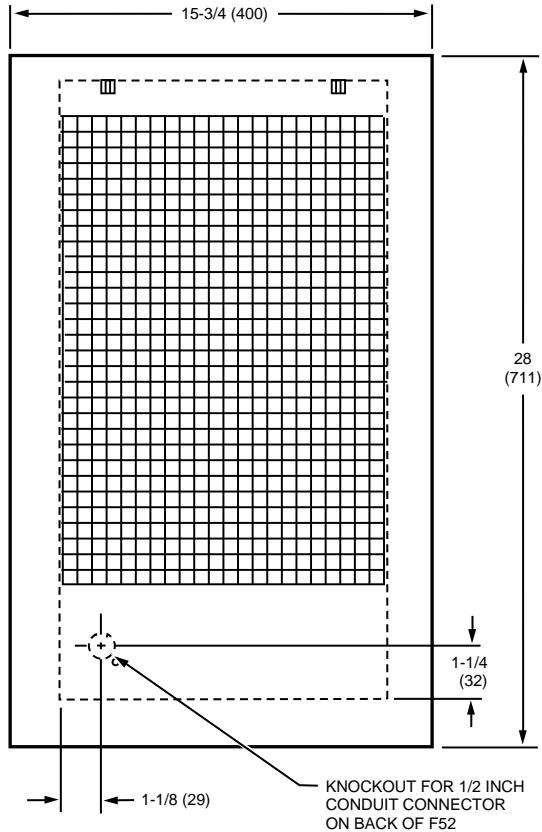
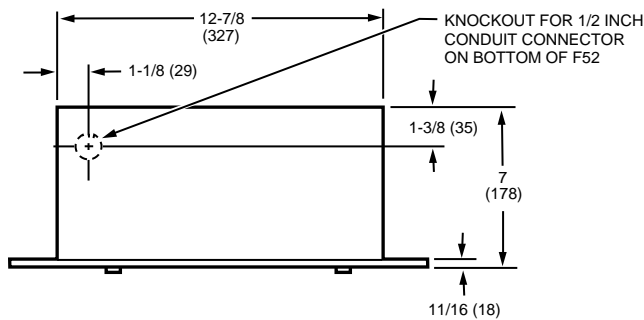
For wall or ceiling mounting in return air duct of a central forced air heating, cooling, or ventilating system.

- Removes air-borne particles from the air circulated through it.



- Electronic cells can be washed easily.
- Neon light shows that air cleaner is operating.
- Wiring consists of simply connecting air cleaner to power source.
- Solid state power supply is energized by an airflow switch; no interconnection to the fan system is required.
- Solid state power supply is self-regulating and maintains peak efficiency during a wide range of cell dirt loading conditions.
- Automatic interlock switch disconnects power when unit is opened.
- Use with optional W8600E Solid State Performance Indicator (ordered separately) to monitor air cleaner performance.

Approximate dimensions in in. (mm) of F52F EAC with one cell for systems up to 1000 cfm.



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**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 (104 C) Maximum.

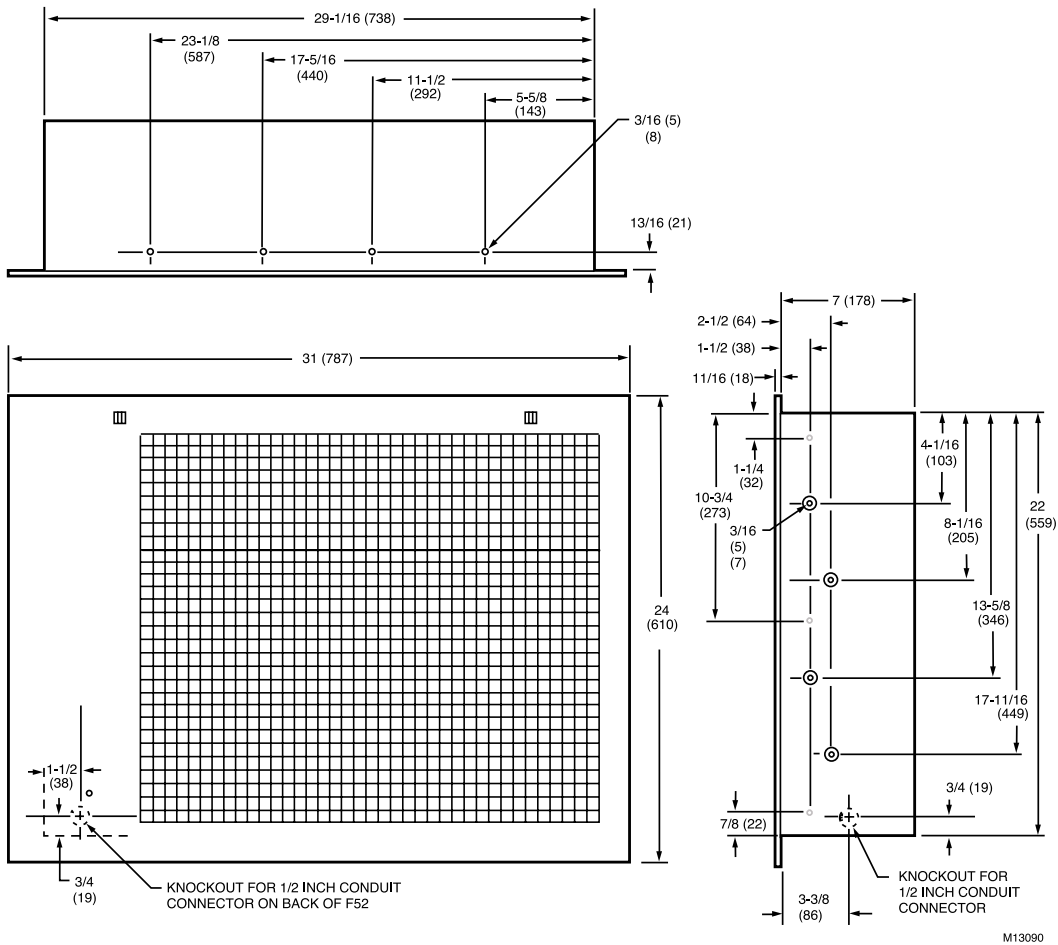
**ELECTRICAL RATINGS:**

Model Number	Power Consumption	Current 120V, 60 Hz
F52F1048	22W maximum	0.4A maximum
F52F1055	33W maximum	0.4A maximum

**REPLACEMENT PARTS; ACCESSORIES:**

See Parts and Accessories at the end of this section.

Approximate dimensions in in. (mm) of F52F EAC with two cells for systems up to 2000 cfm.

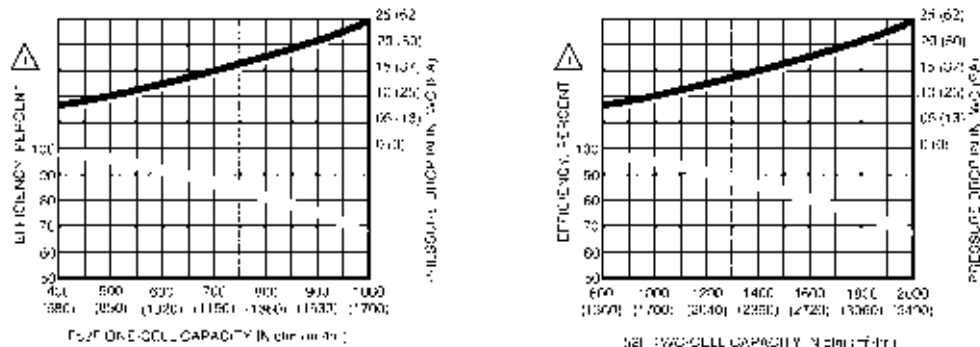


Indoor Air Quality

# Residential Air Cleaners

F52 continued

Air cleaner efficiency and pressure drop at various airflow rates.



EFFICIENCY RATINGS BASED ON NATIONAL BUREAU OF STANDARDS DUST SPOT METHOD USING ATMOSPHERIC DUST AND AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS STANDARD 55.1-92.

Available only through Honeywell Perfect Climate Authorized Distributors.

\* TRADELINE models.

Order Number	Airflow, Capacity		Nominal Return Air Opening		No. Cells	Nominal Size of Cell		Includes	Weight (installed)	
	cfm	m <sup>3</sup> /hr	in.	mm		in.	mm		lb	kg
*F52F1048	1000	1700	20 x 12½	508 x 315	1	12½ x 4½	318 x 114	Electronic cell(s), solid state power supply, pre-filter, grille, and airflow switch.	29.4	13.4
*F52F1055	2000	3400	20 x 25	508 x 635	2				45.3	20.6

## W8600 Solid State Performance Indicator

Provides remote performance indication for F50E,F and F52E Electronic Air Cleaners.

- W8600 is the only air quality product that is visible to the homeowner.
- Indicates status of Electronic Cleaner:
  - ON light indicates EAC is on.
  - WASH light indicates cell washing is overdue.
  - CHECK light indicates service, adjustment needed, or cell washing is long overdue.
- Includes template for mounting with Chronotherm® III thermostat, two anchors and anchor screws.
- Easily mounted with two screws through holes in base.
- EAC must have power box assembly with remote performance indication capability. Power boxes can be upgraded; see Parts and Accessories at the end of this section.



WIRING CONNECTIONS: Screw terminals.

ELECTRICAL RATINGS:

Power Supply: Powered from low voltage logic circuit in power supply.  
Voltage: 5 Vdc, 20 mA, 0.3W.

Available only through Honeywell Perfect Climate Authorized Distributors.

\*TRADELINE models.

Order Number	Description	Dimensions	Color
*W8600E1008	Remote performance indicator for F50E,F <sup>a</sup> and F52E,F Electronic Air Cleaners.	4¼ in. (103 mm) high, 1½ in. (38 mm) wide, 1½ in. (38 mm) deep.	Beige Model
*W8600E1032		Premier White® Model	

TEMPERATURE RATINGS:

Ambient: 40 F to 125 F (4 C to 52 C).

<sup>a</sup> Also for use with F50A,E that have upgraded power box.