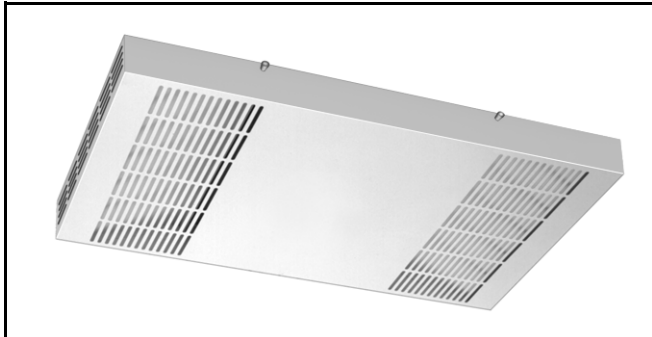


## F111 Ceiling-Mounted Commercial Media Air Cleaner

### SPECIFICATION DATA



### FEATURES

- Models available with 95% ASHRAE and 99.97% HEPA filters or a combination of 95% particulate filters and CPZ sorbent media modules. The filters in both the 95% ASHRAE and 99.97% HEPA models are more efficient on particles larger and smaller than 0.3 micron.
- Circulates up to 1230 cfm.
- Provides Coanda airflow distribution by drawing air from the room into the center of the room and discharging the air to both ends of the room.
- Designed to overcome the increase in airflow resistance normally caused by filter loading.
- White cover color complements ceiling color.
- CPZ module removes VOC and space odors for up to 24 months.

### APPLICATION

The F111 Ceiling-Mounted Media Air Cleaner is designed for use in commercial applications that require the removal of airborne particles and odors. Typical applications include restaurants, bars, schools, offices, daycare centers, smoking lounges, and any indoor space where people meet, work or play. The F111 removes airborne particles such as dust, soot, and some cooking smoke from the air circulated through the filter.

The F111 uses a single-speed, direct-drive, forward curve blower motor with a high efficiency particulate arrestance (HEPA) filter that provides high-efficiency removal of particulates. When equipped with CPZ™ modules, the F111 also removes volatile organic compounds (VOC) and odor. This high filtration and adsorption efficiency enables the F111 to remove many of the troublesome particles, gases and odors from the indoor air.

Using the F111 to clean and recirculate indoor air can reduce the amount of outside air required to meet the ASHRAE ventilation standard. This results in lower energy costs because there is less outside air to condition.

### SPECIFICATIONS

**Models:** See Table 1.

**Cabinet Material:** Galvanized steel.

**Color:** White or black cabinet and cover available.

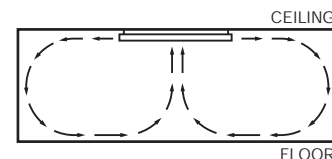
**Electrical Ratings:**

Input Power: 120V, 60 Hz, 6.5A; 277V, 60 Hz, 2.85A; and 208-230V, 50 Hz, 3.75A.

Power Connection: Hard-wired.

Motor: 1/2 hp, PSC single-speed.

**Airflow Pattern:** F111 draws room air into center of room and discharges air to both ends of room. This Coanda airflow pattern scrubs room corners for improved air cleaning and air circulation. See Fig. 1.



M15587

Fig. 1. Airflow pattern.

**Airflow:** 1230 cfm maximum, depending on filter configuration.

**Sound Rating:**

Low Speed: 53 dBA at 3m (when using optional speed control).  
High Speed: 61 dBA at 3m.

**Primary Filter Options:**

- True HEPA filter 99.97% efficiency on .3 micron particles.
- Hospital Grade Filter 95% efficiency on .3 micron particles.

**Adsorption Module Options:**

- CPZ™ Modules including:
- activated carbon.
  - potassium permanganate.
  - zeolite.

**Prefilter:** Disposable/washable, depending on configuration.

**Dimensions:** See Fig. 2.

**Weight:** Shipping: 190 lb (86.1 kg).

**Installed:** 147 lb (66.6 kg) maximum.

**Mounting:** Recessed.

**Mounting Hardware:**

Four 3/8 x 16T internal nuts on cabinet top.  
All external hardware is installer supplied.  
Optional Z mounting bracket kit available.

**Approvals:**

Underwriters Laboratories Inc.: Listed.  
Canadian Standards Association: Certified.

**Accessories:**

- 32000234 Solid State Speed Control.
- 32002353 Z Mounting Bracket Kit.

**Replacement Parts:**

- 32000203-001 DOP Particle Filter.
- 32000204-001 99.97% HEPA Filter.
- 32004078-001 CPZ™ Module (requires two); used only with 95% particle filter.
- 32004078-002 Activated Carbon Module (requires two); used only with 95% particle filter.
- 32004078-004 Potassium Permanganate Module (requires two); used only with 95% particle filter.
- 32004078-003 Zeolite Module (requires two); used only with 95% particle filter.
- 50004739-001 95% ASHRAE Filter.

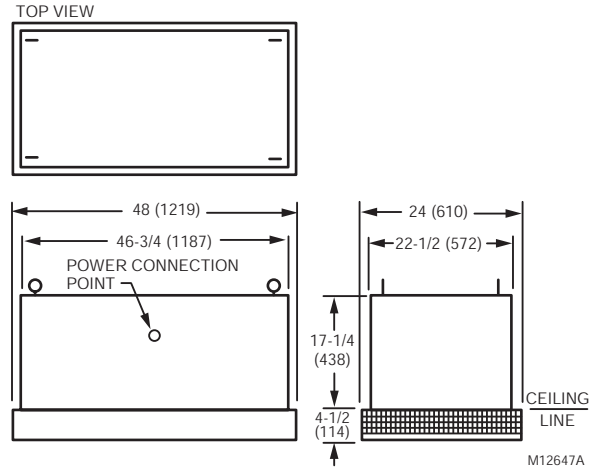


Fig. 2. F111 dimensions in in. (mm).

Table 1. F111 Model Description.

Model	Voltage	Efficiency	Gas VOC and Odor Control Modules (2)	Air volume in cfm (cu m/hr)
		Particulates at 0.3 micron		
F111A1063	120 Vac, 60 Hz, 1 PHS, 6.5A	99.97% HEPA	N/A	1000 (1700)
F111A1253	120 Vac, 60 Hz, 1 PHS, 6.5A	95% ASHRAE <sup>a</sup>	CPZ available <sup>b</sup>	1230/1125 <sup>c</sup>
F111C1012	120 Vac, 60 Hz, 6.5A	95%	CPZ modules	1000 (1700)
F111C1038	277 Vac, 50/60 Hz, 3.7A.	95%	CPZ modules	1000 (1700)
F111C1053	208/230 Vac, 50/60 Hz, 3.7A	95%	CPZ modules	1000 (1700)

N/A = Not applicable.

<sup>a</sup> Purchase filters separately.

<sup>b</sup> Depends on filter configuration used.

<sup>c</sup> With or without CPZ.



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68-3023-1 Revised 5-06

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