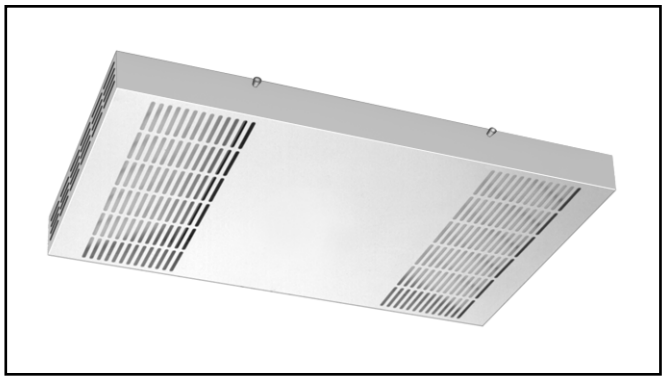
F111 Ceiling-Mounted Commercial Media Air Cleaner

SPECIFICATION DATA



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, day care 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 95% Di-Octyl Phthalate(DOP) particle or High Efficiency Particulate Arrestance (HEPA) filter, which provides high efficiency removal of particulates. When equipped with CPZ™ modules, the F111 also removes Volatile Organic Compounds (VOCs) and odor. This high filtration and adsorption efficiency enable the F111 to remove many of the troublesome particles, gases and odors present in our 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 will result in lower energy costs because there is less outside air to condition.

FEATURES

- **Models available with 99.97% HEPA filters or a combination of 95% DOP particulate filters and CPZ sorbent media modules. The filters in both models are more efficient on particles larger and smaller than 0.3 microns.**
- **Circulates up to 1000 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 the ceiling color.**
- **CPZ module removes VOCs and space odors for up to 24 months.**

SPECIFICATIONS

Models:
See Table 1.

Cabinet Material:
0.050 aluminum.

Color:
White cabinet and cover.

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 the center of the room and discharges the air to both ends of the room. This Coanda airflow pattern scrubs the corners of the room to ensure good air cleaning and air circulation. See Fig. 2.

Airflow:
1000 cfm maximum, depending on filter configuration.

Sound Rating:
Low Speed: 53 dBA at 3 meters (when using optional speed control).
High Speed: 59 dBA at 3 meters.

® U.S. Registered Trademark
Copyright © 1998 Honeywell Inc. • All Rights Reserved

Primary Filter Options:
99.97% True HEPA.
95% DOP.

Adsorption Module Options:
CPZ™.
100% Activated Carbon.
100% Potassium Permanganate.
100% Zeolite.

Prefilter:
Disposable/washable, depending on configuration.

Dimensions:
See Fig. 1.

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 top of cabinet.
- All external hardware is supplied by installer.
- 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 DOP Particle Filter.
32000204 High Efficiency Particulate Arrestance (HEPA) Filter.
32000219 CPZ™ Module (requires 2); used with only DOP particle filters.
32000220 Activated Carbon Module (requires 2); used with only DOP particle filters.
32000222 Potassium Permanganate Module (requires 2); used with only DOP particle filters.
32000221 Zeolite Module (requires 2), used with only DOP particle filters.

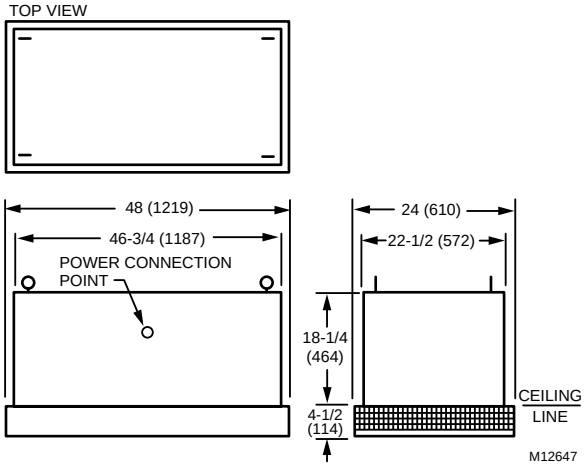


Fig. 1. F111 dimensions in in. (mm).

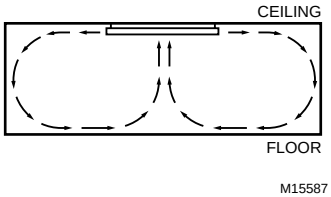


Fig. 2. Airflow pattern.

Table 1. F111 Description and Specifications

Model	Voltage	Efficiency: Particulates at 0.3 micron (DOP test)	Gas VOC and Odor Control Modules (2)	Air Volume in cfm (cu m/hr)
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	a	a	b
F111B1070	120 Vac, 60 Hz, 6.5A	95%	Activated Carbon	1000 (1700)
F111C1012	120 Vac, 60 Hz, 6.5A	95%	CPZ modules	1000 (1700)
F111C1038	277 Vac, 60 Hz, 2.8A	95%	CPZ modules	1000 (1700)
F111C1053	208/230 Vac, 50/60 Hz, 3.7A	95%	CPZ modules	1000 (1700)
F111P1091	120 Vac, 60 Hz, 6.5A	95%	Potassium Permanganate	1000 (1700)
F111Z1081	120 Vac, 60 Hz, 6.5A	95%	Zeolite	1000 (1700)

N/A = Not applicable. [a]Purchase filters separately. [b]Depends upon filter configuration used.

Home and Building Control
Honeywell Inc.
Honeywell Plaza
P.O. Box 524
Minneapolis MN 55408-0524

Home and Building Control
Honeywell Limited-Honeywell Limitée
155 Gordon Baker Road
North York, Ontario
M2H 3N7

Honeywell Asia Pacific Inc.
Room 3213-3225
Sun Hung Kai Centre
No. 30 Harbour Road
Wanchai
Hong Kong

Honeywell Latin American Region
480 Sawgrass Corporate Parkway
Suite 200
Sunrise FL 33325

Honeywell Europe S.A.
3 Avenue du Bourget
1140 Brussels
Belgium

Honeywell

Printed in U.S.A. on recycled paper containing at least 10% post-consumer paper fibers.