



A sign that invites everyone to breathe easier, and patrons to stay longer

No matter what kind of business you run, Honeywell offers a cleaner air solution. We can help improve the indoor air quality wherever people work or play, including:

- Bingo Halls
- Hospitals
- Computer Rooms
- Restaurants
- Banquet Halls
- Printing Shops
- Soldering Stations
- Dental Labs
- Gymnasiums
- Billiard Parlors
- Copy Centers
- Kennels
- Vo-tech Schools
- Bowling Centers
- Offices
- Cafeterias
- Smoking Lounges
- Locker Rooms
- Medical Clinics
- Nursing Homes
- Beauty Salons
- Recreation Centers
- Barber Shops
- Veterinary Clinics
- Laboratories
- Bars and Taverns
- Colleges
- ...and more!

When properly sized, installed and serviced, using Honeywell air cleaners qualifies your business for the "Clean Air Facility"™ Award and associated clean air marketing tools.

Honeywell Commercial Ceiling-mounted Electronic Air Cleaner Specifications

Unit	Dimensions	Installed Weight	Airflow (CFM)	Electrical Rating	Sound Level@ 1 meter (dBA)	Filtration Efficiency	Color
F90 Ceiling Surface Mounted	29 1/4" x 29 1/4" x 13 3/4"	65 Pounds	Low: 800 Medium: 1020 High: 1250	120/220V, 60 Hz	Low: 57 Medium: 62 High: 68	Better than 94% efficient ¹ at removing particles 0.5 microns or larger (ASHRAE standard 52.1-92)	Black with woodgrain or neutral gray
F57A Ceiling Flush Mounted	22 1/2" x 46" x 13 3/4"	83 Pounds	Low: 555 Medium: 690 High: 1030	120/220V, 60Hz,	Low: 53 Medium: 57 High: 66		Off-white
F57B Ceiling Flush Mounted	22 1/2" x 22 1/2" x 13 3/4"	54 Pounds	Low: 175 Medium: 280 High: 485	120/220V, 60 Hz,	Low: 47 Medium: 52 High: 70		

NOTE: The specific air cleaning requirements for any application depend on room size, occupancy rate, existing pollutants and other factors. Your Honeywell distributor is an expert equipped to evaluate your space, calculate air flow require-

ments and recommend the air cleaners best suited to your particular application. For complete specifications on these products, ask your Honeywell distributor for these product data sheets: 68-0083 (F57A, B) and 68-0103 (F90).

Glossary of terms

Micron

A unit of measurement equal to one millionth of a meter, or about 0.00003937 inches. (By comparison, a human hair is 100 microns in diameter).

Coanda Airflow

An air circulation pattern using *multiple* air intake and air discharge vents.

Dual-Voltage Power Supply

Honeywell's dual voltage power supply delivers over 8,000 volts to the ionizing section of the electronic cell for maximum particle charging. The voltage is reduced to 4,300 volts in the collector section to allow more collector plates to be installed with tighter spacing. This results in nearly 40% more collection area and greater efficiency.

¹Captures over 94% of particles (0.5 microns or larger) in the air passing through the air cleaner. Efficiency ratings are based on results from the industry standard (ASHRAE 52.1-92 Initial Dust Spot) test.

The amount of air moved through the air cleaner depends on the fan speed setting, room layout, and the placement of objects in the room that may affect air circulation. Only air actually passing through the unit is filtered. The rate of particle removal may be affected by the pollutant type, and the rate at which new pollutants are introduced into the air.

For More Information

Honeywell commercial air cleaners are a great way to keep customers coming back, and help improve your employees' workspace. To learn more, contact your Honeywell Commercial Air Cleaner Distributor, check our web site, or call our Customer Response Center at 1-800-345-6770, x 788.

You can rely on Honeywell's indoor air quality expertise, a field we've lead since 1959. Today, Honeywell air cleaners are used in millions of homes and buildings around the world, providing a better indoor environment wherever people live, work or play.



Indoor air quality solutions that are clearly good for business... Commercial Electronic Air Cleaners are over 94% efficient¹ at removing particles (0.5 microns or larger) from the air passing through them.



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It's worse than you think!

If you think the indoor air in your facility is relatively clean, you're probably in for a real surprise.

You see, the people who measure such things as indoor air quality say that the air inside a commercial building can easily be more seriously polluted than the air outside.²

That's startling. And that's why Honeywell air filtration systems are becoming such business assets.

Poor air quality repels customers, reduces productivity

Dirty air is an expensive proposition. It can offend customers, affect employee productivity and leave its mark on the surroundings.

How? Well, people who are distracted by poor indoor air quality don't concentrate very well. If they're your customers, they might leave and never come back.

What's more, when particles settle on surroundings, they leave a dirty film that must be scrubbed off. A Honeywell air cleaner can help keep interior surfaces cleaner, longer. It can also help decrease downtime of dust-sensitive electronic business equipment.

Freshened air without the fresh-air costs

Poor indoor air quality can't always be improved by increasing air exchanges. Bringing in "fresh" outdoor air may actually introduce contaminants. Plus, heating or cooling that air actually increases energy costs.

An efficient Honeywell air filtration system lets you minimize air exchanges by filtering and re-circulating the existing room air, possibly reducing the need for intake of outdoor air to ASHRAE minimums.

² The Inside Story, United States Environmental Protection Agency, 1995 (data reviewed by E.P.A. in April 1998).

A highly efficient, cost-effective solution for capturing airborne particles in your facility

F90

For the toughest air cleaning jobs

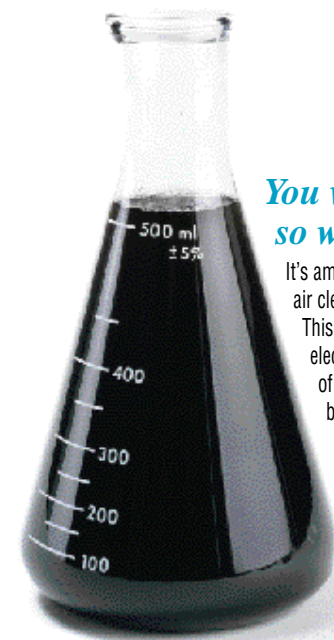
Operating efficiently overhead, the F90 handles the air filtration needs of larger areas such as bingo and billiard halls, bowling centers, bars and restaurants.

A three-speed fan switch lets you increase or decrease the amount of delivered air to match the level of indoor air pollutants. An optional wall switch, or wireless remote control makes changing speeds even easier.

Thanks to an efficient Coanda airflow pattern cleaner air is re-circulated throughout the room. Adjustable, three-position air discharge louvers let you modify the flow of cleaner air to ensure draft-free operation in any space; the louvers are removable for easy cleaning.

Special features built into the F90 ensure reliable operation: a solid state power supply for consistent voltage output, a built-in performance indicator, a high/low performance switch, commercial-duty air cleaner cells and a high efficiency, maintenance-free motor with sealed bearings.

The F90 features an attractive, clean appearance. To coordinate with any room decor, units are available in traditional black with wood grain trim, or in neutral gray.



You wouldn't drink this stuff, so why breathe it?

It's amazing how much grime collects on electronic air cleaner cells after just a few months of use. This black gunk is actual wash water from a dirty electronic air cleaner cell. It's typical of the amount of microscopic particles captured by the air cleaner between washings. One look at this dirty wash water is enough to convince most people of the effectiveness of their electronic air cleaner.

F57A

Out of sight, not out of mind

Especially designed for drop ceilings, the F57A is ideal for large spaces. Use it in banquet rooms, lounges, conference areas and training rooms—anywhere there is a large volume of air to filter, and a drop ceiling with at least 13½ inches clearance above (only 5½ inches clearance with optional skirting kit).

With the F57A installed unobtrusively in the ceiling, you'll hardly know it's there—except for its effects on the indoor air quality. Its attractive, off-white grille matches typical overhead commercial fixtures. And the hinged door swings down for easy access to both the prefilter and electronic cells.

Compact and efficient, this electronic air cleaner captures over 94% of particles¹ from the air passing through the filter (0.5 microns and larger). It then re-circulates cleaner air throughout the room using a Coanda air flow pattern.

The F57A operates at your choice of speeds—HIGH, MEDIUM, or LOW—using push-buttons on the front panel of the unit. Other convenient control options include a remote wall switch, and a wireless remote control.

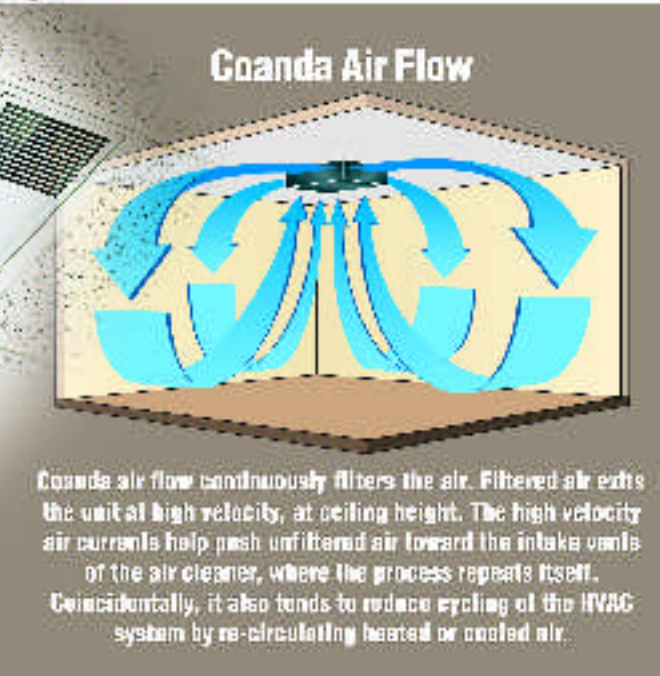
Reliability is built right in. A solid state power supply for consistent voltage output, built-in performance indicator, high/low performance switch, commercial-duty air cleaner cells and a maintenance free motor with sealed bearings all work together to ensure maximum reliability.

F57B

High efficiency in a compact size

The only thing small about the F57B is its size. Built to the same demanding performance specifications as the larger F57A, this smaller unit slips into any two-by-two foot space in drop ceilings. It requires only 13½ inches of ceiling clearance above (only 7 inches clearance with optional skirting kit).

The F57B is the space-saving way to improve air quality in smaller commercial areas like offices, break rooms, reception areas, computer rooms and copy centers, to name a few.

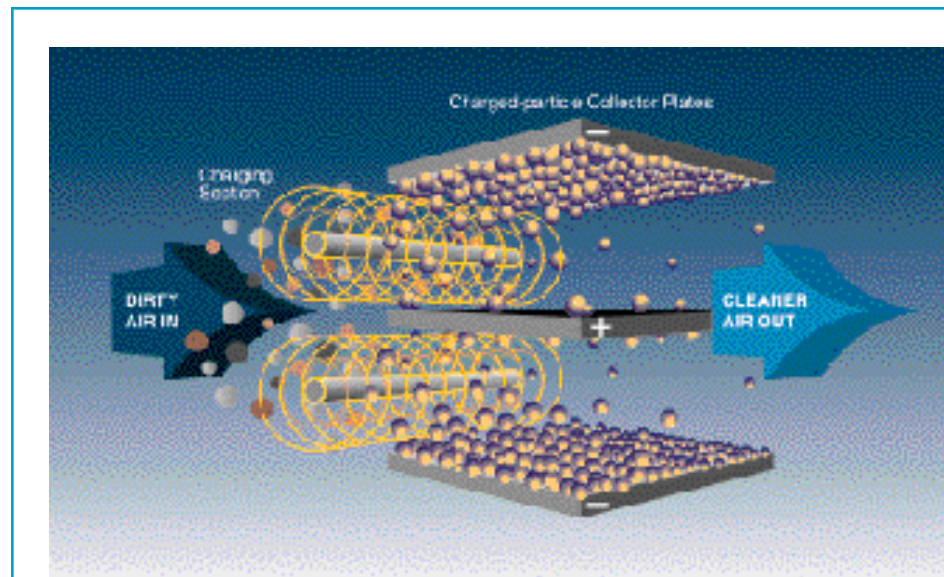


Coanda air flow continuously filters the air. Filtered air exits the unit at high velocity, at ceiling height. The high velocity air currents help push unfiltered air toward the intake vanes of the air cleaner, where the process repeats itself. Coincidentally, it also tends to reduce cycling of the HVAC system by re-circulating heated or cooled air.



Front panel indicator lights put you in the know:

- **ON** light advises that the air cleaner is operating properly.
- **CHECK** light alerts that the air cleaner needs service.
- **WASH** light (optional, field-installed accessory) notifies that the air cleaner cells need washing to restore efficiency.

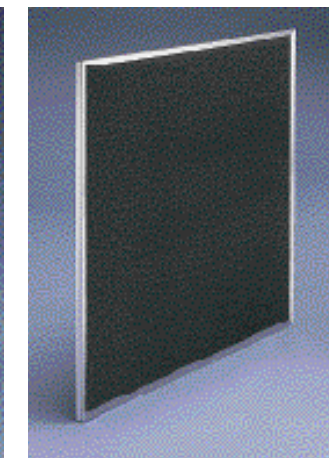
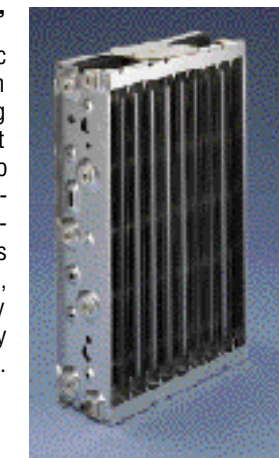


Dual-voltage power supply makes our cells up to 20% more efficient than competitors

As dirty air particles race through the air cleaner, they first encounter high voltage (over 8,000 volts!) ionizing wires. Here, an intense voltage gradient accelerates free electrons towards the wires, which knock even more electrons out of the surrounding air molecules, creating vast numbers of positive ions. These positive ions bombard airborne particles in the airstream and become attached to the particles as "hitchhikers." As the now-charged particles pass between our tightly spaced, charged collector plates they are irresistibly attracted to the oppositely charged plate. The whole process takes about 0.02 seconds and is over 94% efficient.¹

Commercial grade "Super Cells"

Our commercial-grade electronic air cleaner "Super Cells" weigh only nine pounds—something you'll really appreciate when it comes time to reach overhead to remove the cells. A close inspection reveals tightly-spaced collector plates, where dirty air particles accumulate. After a period of use, the cells should be thoroughly cleaned to restore their ability to capture particles.

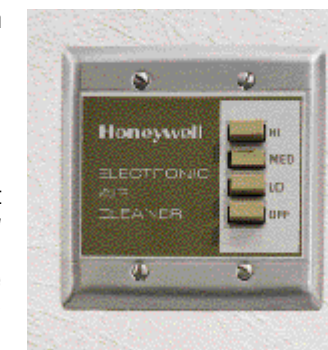


Carbon Filter

Optional, activated-carbon filter has millions of microscopic pores to help adsorb odors. Used as a post-filter, it can reduce levels of common odors in filtered air as it exits the air cleaner.

Four-Position Wall Switch

Using this optional, wall-mount control you can conveniently change fan speed without reaching overhead for push-buttons on a ceiling-mounted air cleaner. Pushbuttons let you select HIGH, MEDIUM or LOW fan speed, or OFF. By varying the fan speed you control the rate of air cleaning as the indoor air quality changes throughout the day.



Wireless Remote Control

This optional, wireless remote control extends your reach. Especially handy where ceilings are high, it uses an infrared beam to individually adjust the speed of any number of air cleaners. Turn units OFF or select from HIGH, MEDIUM or LOW speed at the push of a button.

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