Honeywell has ....

More than 100 years in business

Since 1885, Honeywell has been the world's leading supplier in the indoor environmental control business.

40 years experience in air cleaning

We have been designing, building and selling air cleaners for 40 years. Many early models are still operating at peak efficiency today.

4,000,000 installations worldwide

Honeywell's air cleaners have served millions of people in offices, hotels, homes, shopping malls, government buildings, schools, hospitals and factories all around the world. Over 4 million installations worldwide prove it.

Commitment to quality

We are committed to developing products that improve the quality of the indoor environment. You can be assured of the product and service satisfaction throughout the life of the equipment. Even if your application requires a custom system, we will provide you with the best solution to meet your needs.

When you think of indoor air quality think Honeywell.

Page contents

Poor indoor air affects you & your business

Indoor air quality is becoming a major workplace issue regardless of which business you are in.

POOR INDOOR AIR QUALITY LEADS TO...

Higher medical costs & reduced productivity

Poor indoor air can lead to sick building syndrome – when occupants complain of headaches, eye and throat irritation, shortness of breath, nausea and fatigue. As a result, the company will incur higher medical costs and increased absenteeism. The company also suffers declining productivity from sick employees who remain at work.

Higher operating costs

As dirty air particles accumulate on the coils inside the air conditioning equipment, its performance suffers. Independent tests have shown that dirty coils cost building owners 15% more in energy costs. And if the pollutants contaminate your office equipment, it means your décor and furnishings will have a shorter life span, too. Poor indoor air quality can also lead to costly building retrofits involving replacement of soiled air-conditioning ducting, ceiling boards and draperies and the loss of rental income during a major retrofit exercise.

THE PERFECT INDOOR ENVIRONMENT

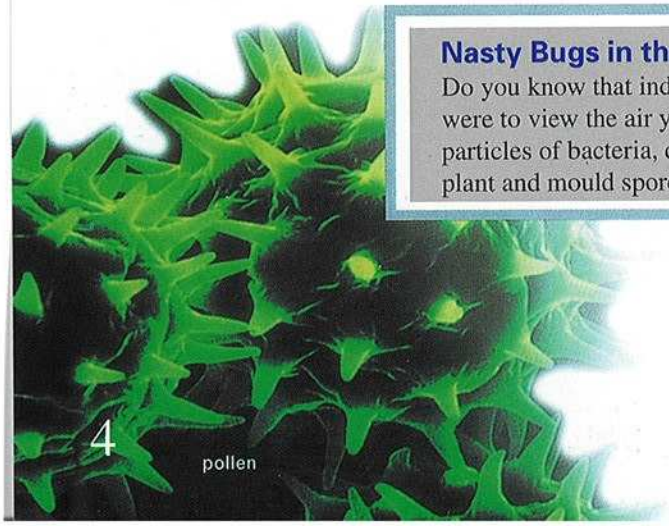
animal dander

With Honeywell's air filtration systems, you need not worry about the effects of poor indoor air. Instead, you can relax and enjoy many benefits. Your overall maintenance costs will be decreased. The life of your expensive furnishings will be prolonged and you will gain a reputation for providing a quality property to tenants.

dustmite

Nasty Bugs in the Air

Do you know that indoor air can be 20 times more polluted than outdoor air? If you were to view the air you breathe under a microscope, you would see millions of tiny particles of bacteria, dust mite debris, pollen, animal dander, dust, smoke, chemicals, plant and mould spores.



pollen

bacter

Particles in the Air

Antigen.

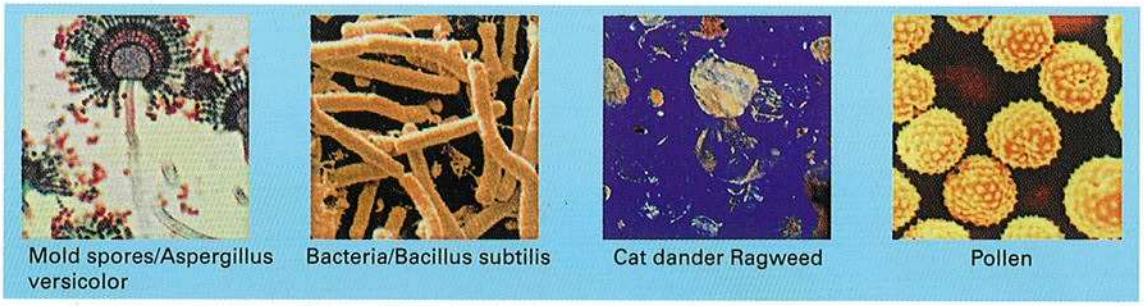
An antigen is a substance that, when introduced into the body, stimulates the production of an antibody.

Allergen.

When an antigen induces an allergic reaction, it's called an allergen. The threshold at which an allergic reaction occurs is different for every person.

Dander.

Dander is minute scales from hair, feathers or skin. These scales may be allergenic.

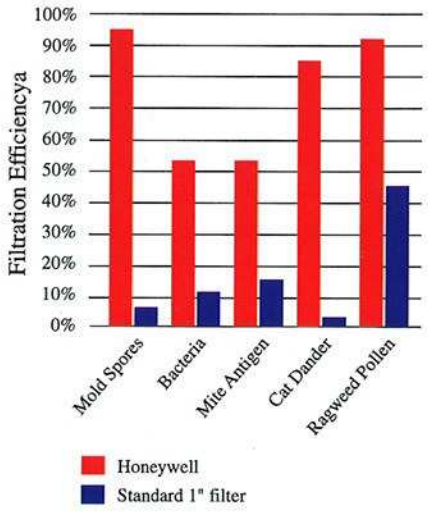


Mold spores/Aspergillus versicolor | Bacteria/Bacillus subtilis | Cat dander Ragweed | Pollen

Independent testing show that Honeywell Electronic Air Cleaners capture a very high percentage of mold spores, bacteria, dust mite antigen, cat dander and ragweed pollen from the air that passes through the filter. The Honeywell Electronic Air Cleaner captured more than 90% of mold spores and ragweed pollen from the air passing through the air cleaner, more than 70% of bacteria and cat dander, and nearly 60% of dust mite antigen.

The testing found that the Honeywell Electronic Air Cleaner is more efficient at capturing all five types of particles than a standard 1-inch furnace filter, see chart above.

Particles are nabbed as they pass through the filter

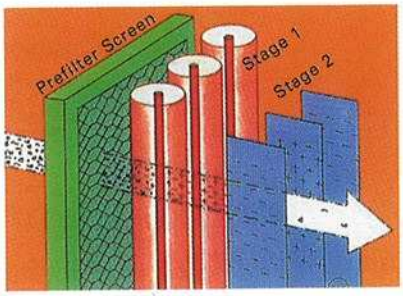


Air cleaners and allergy relief

An air cleaner may provide some relief to individuals suffering from allergies or other respiratory problems, and should be part of an overall allergy treatment program. However, there is no guarantee that a reduction in symptoms will occur through the use of any type of air cleaner.

How a Honeywell Electronic Air Cleaner works?

Two-stage electrostatic precipitation electrically charges air particles to create an effective method for capturing airborne contaminants.

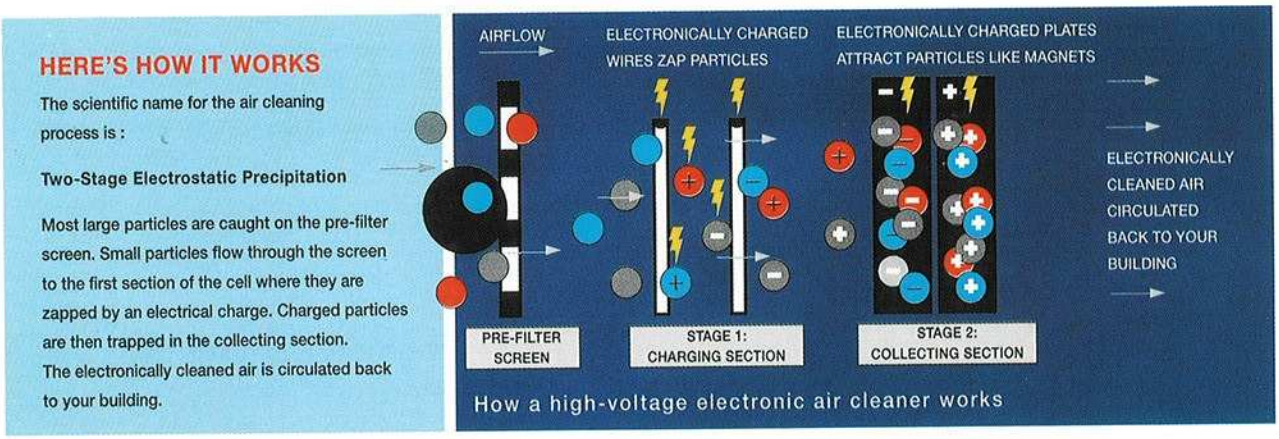


Stage 1: Charging Section

- Most large particles are caught on the prefilter screen.
- Smaller particles flow through the screen to the first section of the air cleaner cell, where they pass through a series of high-voltage ionizing wires—more that 8,000 volts—and become electrically charged.

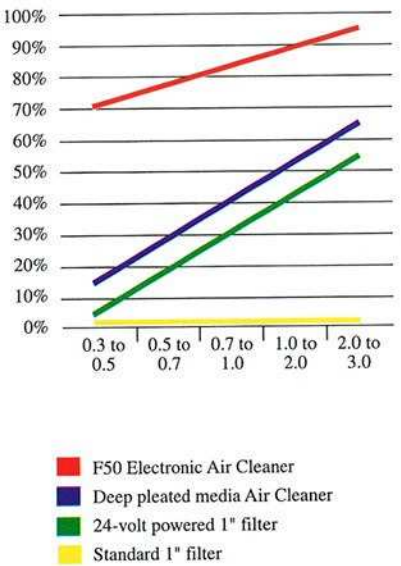
Stage 2: Collector Section

- Charged particles advance through the cell to the collecting section.
- The charged particles are attracted like magnets to a series of oppositely charged collector plates.
- Electronically filtered air is circulated back into your building environment.



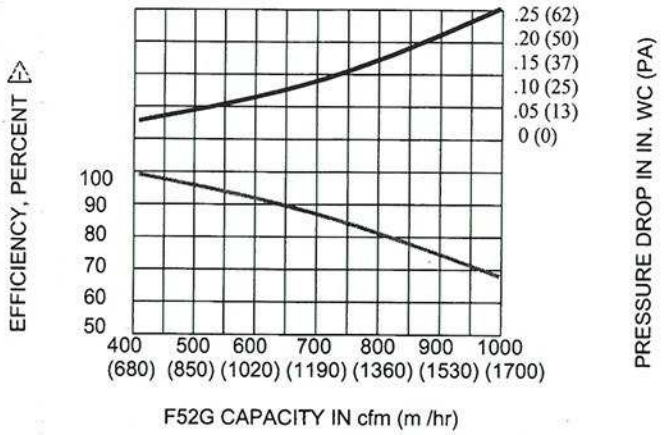
Outperforms other filtration technologies

The fractional efficiency test measures the ability of an air cleaner to capture particles of a specific, uniform size. The Honeywell Electronic Air Cleaner consistently outperformed air cleaners that use different technologies, capturing significantly more particles in all size ranges tested.



Features

- Models available with one electronic cell and a rated capacity of 1000 cfm (1700m³/hr)
- Solid state power supply energized by ON/OFF switch; or interconnection to fan coil system if required
- Solid state power supply self-regulating and maintains peak efficiency during a wide range of cell dirt-loading conditions
- Pressure drop approximately equal to that of regular fiberglass filter
- Built-in light in the switch shows that air cleaner is operating
- Automatic interlock switch disconnects the power when unit is opened
- Intelligent fan speed detection allows easy interconnection with FCU thermostat



⚠EFFICIENCY RATINGS BASED ON NATIONAL BUREAU OF STANDARDS DUST SPOT METHOD USING ATMOSPHERIC DUST AND AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS STANDARD 52.1-92.

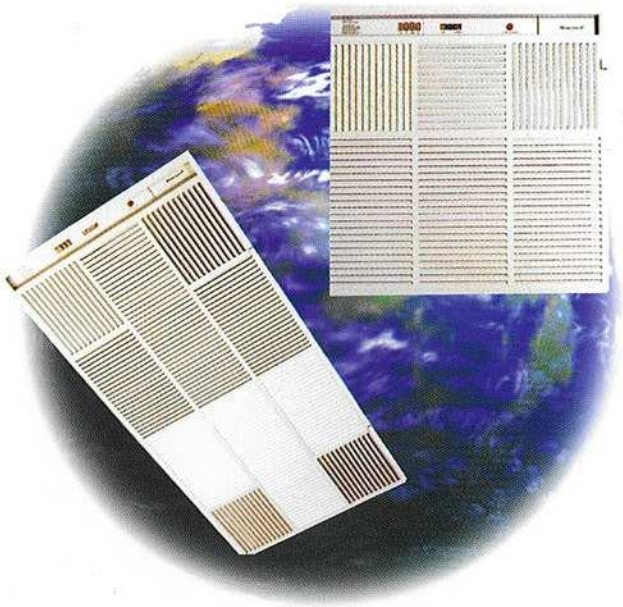
F52G Air cleaner efficiency and pressure drop at various airflow rates

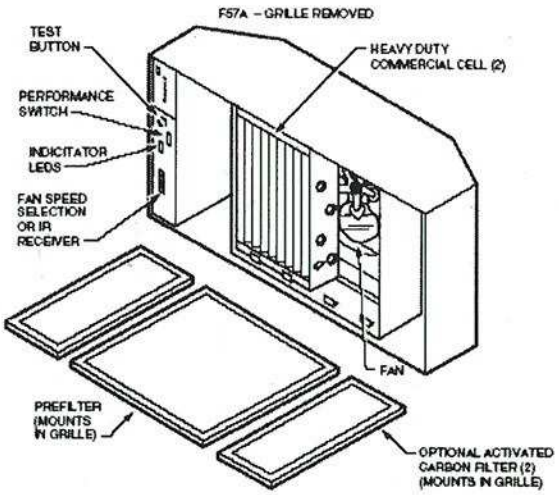
Technical Information

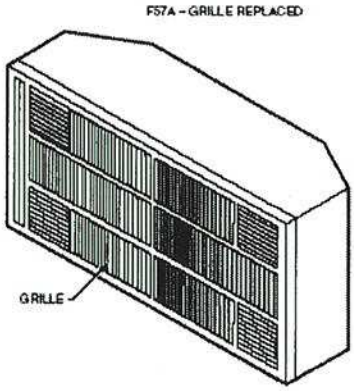
Model	F52G1012	F52G2002
No of cells	One electronic cell	
Capacity	1000 cfm (1700 m³/hr)	
Mounting	Return grille mounted	
Door/grille type	Louvered	
Included accessories	Solid state power supply with air cleaner monitor capability, one-electronic cell, pre-filter, door/grille	One-electronic cell, pre-filter, door/grille
Electrical Ratings	220V / 50Hz	No Power supply
Operating Ambient	40 °F to 125 °F (4 °C to 52 °C)	
Dimensions	600 mm X 600mm X 442 mm	
Weight	16.4 kg (shipped) 14 kg (installed)	
Certifications	UL certified	

Features

- Three-speed motor-driven fan circulates up to:
  1030 cfm (1750 m^3/hr) on F57A
  485 cfm (714 m^3/hr) on F57B
- Available in 220-240 Vac 50Hz
- Heavy duty commercial cells and prefilter are removable for cleaning
- Solid state power supply self-regulating and maintains peak efficiency during a wide range of cell dirt-loading conditions
- Provides Coanda air distribution (recirculation of clean air in 6 directions)
- LEDs indicate ON and CHECK
- Selectable infrared remote control models for easy operation







F57 components (A model shown)

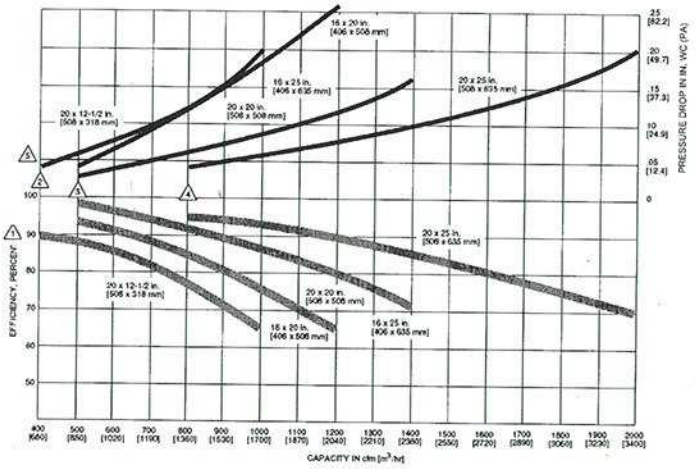
Technical Information

Model	F57A1101	F57B1075
No of cells	2 commercial cells	1 commercial cell
Capacity	1030 cfm (1750 m^3/hr)	485 cfm (714 m^3/hr)
Mounting	Ceiling mounted (flush-mount)	
Door/grille type	Louvered	
Include accessories	Solid state power supply assembly, prefilter, inlet-outlet grille, power and speed control switch, performance selection switch, collector test button, 3-speed motor driven fan, interlock switch (access grille), vinyl trim flanges, exhaust air vent	
Electrical Ratings	220-240V 50Hz	
Operating Ambient	Not higher than 77 °F (25 °C) For brief periods 104 °F (40 °C)	
Dimensions	1168mm X 569mm X 343mm	572mm X 572mm X 343mm
Weight	48.1 kg (shipped) 37.6 kg (installed)	29.0 kg (shipped) 24.5 kg (installed)
Certifications	UL, CSA, CE certified	

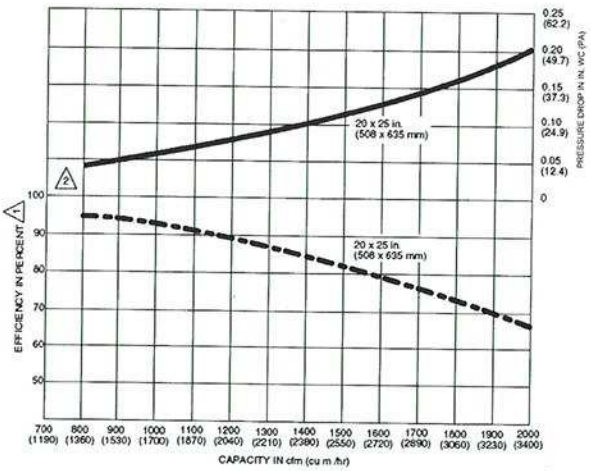
Features

- Capacity varies from:
  1000 cfm (1700 m³/hr) to 2000 cfm (3400 m³/hr) depending on size
- Removes airborne particles as small as 0.3 micron
- Electronic cells can be washed in most home dishwashers
- Solid state power supply self-regulating and maintains peak efficiency during a wide range of cell dirt-loading conditions
- Pressure drop is approximately equal to that of a regular fibreglass filter

AIR CLEANER EFFICIENCY AND PRESSURE DROP AT VARIOUS AIRFLOW RATES.



F300 Air cleaner efficiency and pressure drop at various airflow rates



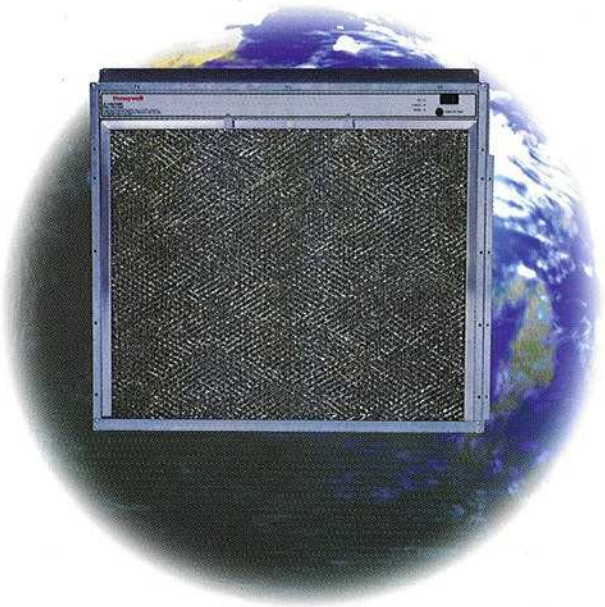
F300 Air cleaner efficiency and pressure drop at various airflow rates

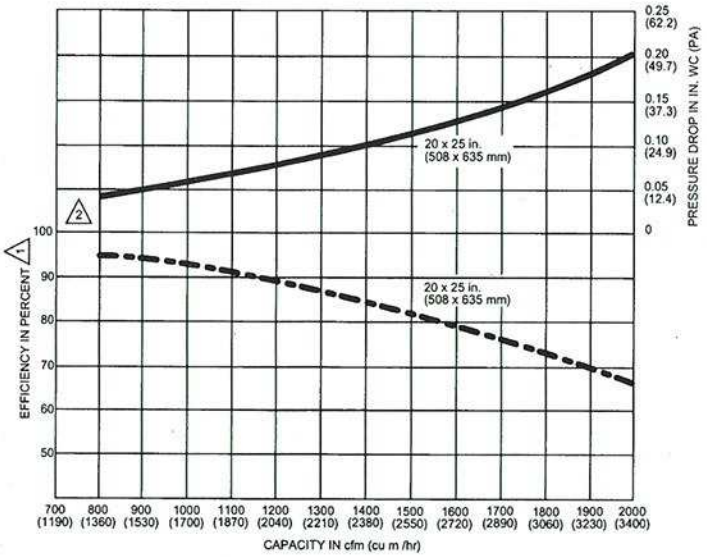
Technical Information

Model	F300		
No of cells	1 cell	or	2 cells
Capacity	1000 cfm (1700 m³/hr)	to	Max 2000 cfm (3400 m³/hr)
Mounting	Duct mounted (return air duct)		
Housing	Galvanized cabinet		
Included accessories	Cabinet, access door, solid state power supply, electronic cell and prefilter		
Electrical Ratings	220V -240V 50-60Hz		
Operating Ambient	40 °F to 125 °F (4 °C to 52 °C)		
Dimensions	From 318mm X 605mm X 172mm	to	583mm X 648mm X 172mm
Weight (shipped/installed) depending on model	11.3 (shipped) 9.5 (installed)		19.1 (shipped) 16.8 (installed)
Certifications	UL certified		

Features

- Capacity up to 2000 cfm (3400 m³/hr) per unit
- Multiple units interconnected to form array of air cleaners
- May be connected to building management system
- Removes airborne particles as small as 0.3 micron
- Solid state power supply self-regulating and maintains peak efficiency during a wide range of cell dirt-loading conditions
- Test button checks system operation





F58G Air cleaner efficiency and pressure drop at various airflow rates

Technical Information

Model	F58G1016	F58G1024	F58H1006
No of cells	2 heavy duty commercial cells		1 heavy duty commercial cell
Capacity	2000 cfm (3400 m³/hr)		1000 cfm (1700m³/hr)
Mounting	Duct mounted		
Housing	Galvanized steel cabinet with integral power supply		
Included accessories	Cabinet, electronic air cleaning cells, prefilter, ON and CHECK indication. Solid state power supply, WASH indication, BMS interface	Cabinet, electronic air cleaning cells, prefilter, ON and CHECK indication, Solid state power supply, WASH indication, w/o BMS interface	Cabinet, electronic air cleaning cells, prefilter, ON and CHECK indication, WASH indication, w/o power supply and BMS interface
Electrical Ratings	220-240V 50Hz		Must be connected with F58G
Operating Ambient	Not higher than 40 °F to 125 °F (4 °C to 52 °C)		
Dimensions	670mm X 610mm X 171mm		350mm X 610mm X 171mm
Weight	19.1 kg (shipped) 16.9 kg (installed)		
Certifications	UL certified		

Features

- Three or five speed motor driven fan circulates up to:
  1250 cfm (2100 m^3/hr) on F90A
  550 cfm (930 m^3/hr) on F90B
- Removes up to 92% of staining dirt from air
- Heavy duty commercial cells and prefilter are removable for cleaning
- Solid state power supply self-regulating and maintains peak efficiency during a wide range of cell dirt-loading conditions
- Provides Coanda air distribution (recirculation of clean air in 4 directions)
- LEDs indicate ON and CHECK
- Three-position adjustable discharge louvers
- Available with off white finish or woodgrain with black trim
- Infrared remote control with self diagnostic function available for F90B

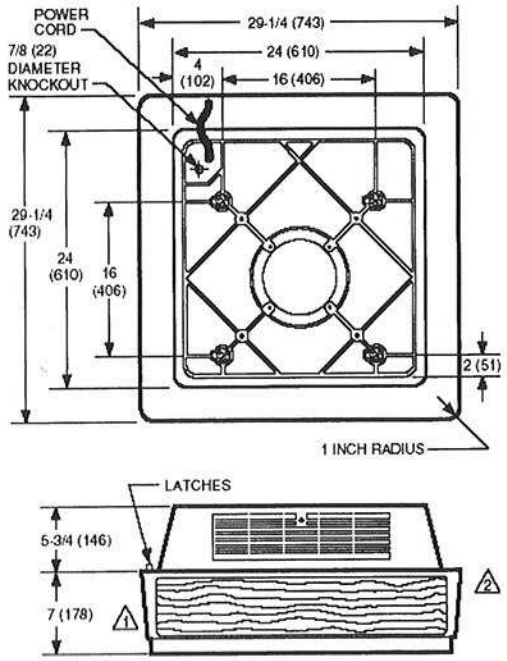


Fig. 1. F90A Installation dimensions in. (mm).

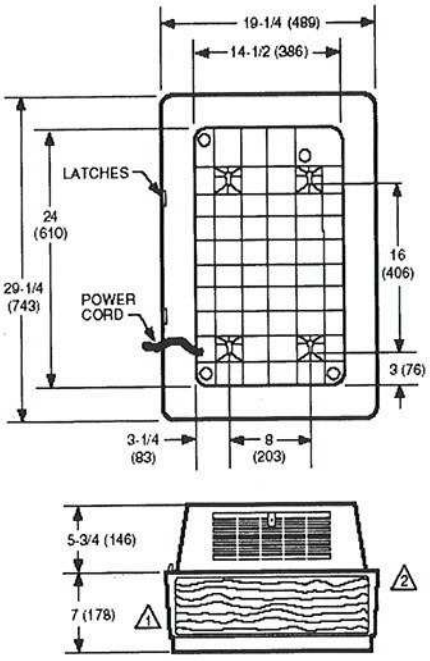


Fig. 2. F90B Installation dimensions in. (mm).

Technical Information

Model	F90A1290 (white) / F90A1308 (black wood-grain)	F90B1132 or F90B1132/S (off-white) / F90B1140 or F90B1140/S (black wood-grain)
No of cells	2 heavy duty commercial cells	1 heavy duty commercial cell
Capacity	1250 cfm (2100 m^3/hr)	550 cfm (930m^3/hr)
Mounting	Ceiling mounted	Ceiling mounted or floor standing
Door/grille type	3 position adjustable louver	
Included accessories	Solid state power supply assembly, prefilter, cover with grille, power and speed control switch, performance selection switch, test button, 3 or 5-speed motor driven fan, interlock switch for cover and grille, power cord, LED indicator	
Electrical Ratings	220-240V 50Hz	220-240V 50Hz
Operating Ambient	Not higher than 90 °F (32 °C) For brief periods 120 °F (49 °C)	
Dimensions	743mm X 743mm X 324mm	489mm X 743mm X 324mm
Weight	31.5 kg (shipped) 29.5 kg (installed)	18.9 kg (shipped) 16.2 kg (installed)
Certifications	UL, CSA, Canadian EMI certified, CE applicable	

Honeywell

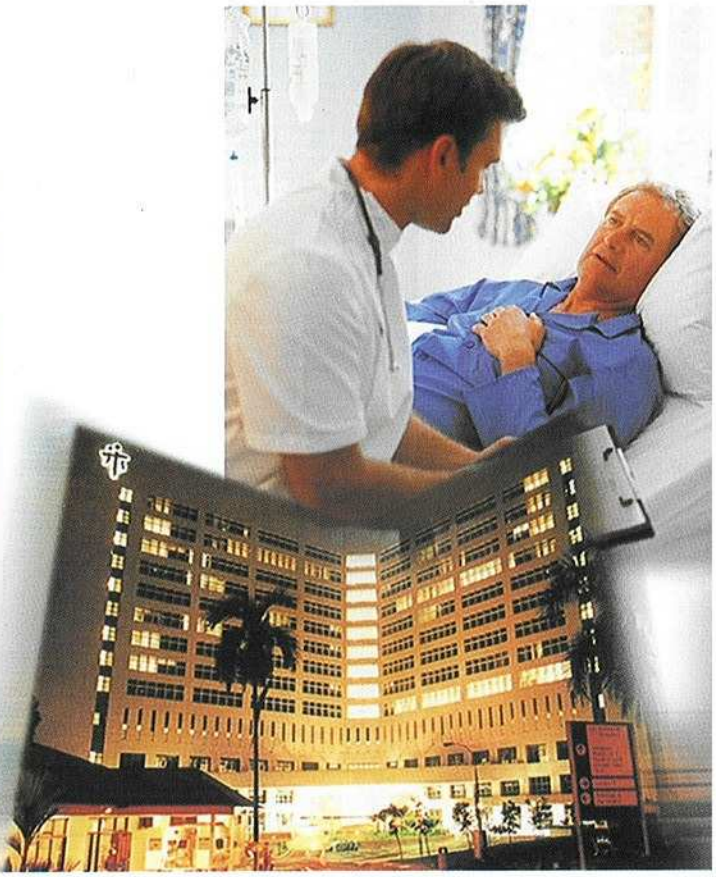
▼ Central Plaza, Malaysia

▲ Putra Jaya, Malaysia

▲ Suntec City

▼ Grand Hyatt Hotel, HK

◀ The People's Hospital, China



▲ Tan Tock Seng Hospital, Singapore

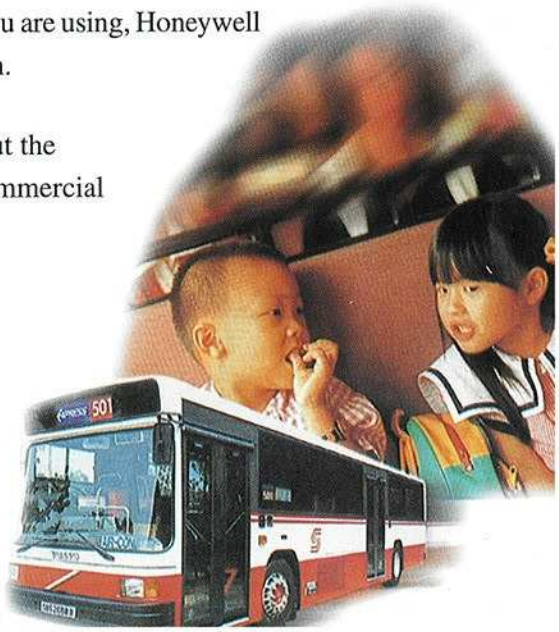
Honeywell SEA & AP Installations

▼ One Marina Boulevard, NTUC Singapore

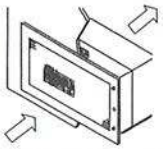
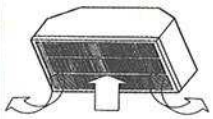
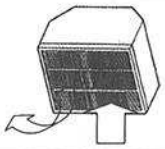
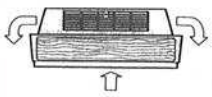
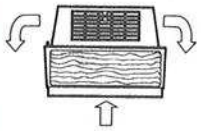
Honeywell commercial Electronic Air Cleaner series can meet various application requirements. Whether for installations in hotels, restaurants, offices or hospitals and no matter what kind of air conditioning, cooling or ventilating system you are using, Honeywell EAC can always provide the perfect solution.

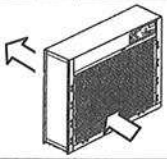
Honeywell EACs are used widely throughout the Asia Pacfic Region in many of the major commercial buildings and hospitals.

▼ Singapore Bus Services



▼ Singapore Management University

Product		F52G	F57A		F57B		F90A		F90B	
Mounting		Return Grille Mounted	Ceiling Mounted (Flush Mount)		Ceiling Mounted (Flush Mount)		Ceiling Mounted		Floor Standing	
Appearance										
Air Flow Direction										
Capacity [cfm (m3/hr)]	Lo	1000 (1700)	F57A1101	640 (1080)	F57B1075	260 (420)	F90A	800 (1380)	F90B1132 / F90B1140	1 235(400)
	Med			730 (1260)		375 (660)		1020 (1740)		2 324 (550)
	Hi			875 (1500)		460 (780)		1250 (2100)		3 441 (750)
										4 530 (900)
										5 590 (1000)
Efficiency	Lo	69% - 95%	Up to 95% Dust Spot Method		Up to 95% Dust Spot Method		Up to 92% Dust Spot Method		Up to 92% Dust Spot Method	
	Med									
	Hi									
Electrical Ratings		F52G1012: 220V/50Hz	F57A1101: 220-240V / 50Hz		F57B1075: 220-240V / 50Hz		220-240V / 50Hz		220-240V / 50Hz	
Power Consumption (W)	Lo	72	F57A1101	205	F57B1075	100	F90A	185	115 (Max)	
	Med			250		150		215		
	Hi			315		275		270		
Color		White	White		White		White/Wood-grain		White/Black Wood-grain	
Dimensions (mm)		600Wx600Hx442D	F57A1101: 1168Wx569Hx343D		F57B1075: 572Wx572Hx343D		F90A: 743Wx743Hx324D		F90B: 489Wx743Hx324D	
Installed Weight (kg)		14	F57A1101: 37.6		F57B1075: 24.5		F90A: 29.5		F90B: 16.2	

Product		F58G	F58H	F300	F300	F92C
Mounting		Duct Mounted		Duct Mounted	Duct Mounted (Return Air)	Ceiling Mounted or Floor Standing
Appearance						
Air Flow Direction						
Capacity [cfm (m3/hr)]	Lo	F58G: 2000 (3400)	F58H: 1000 (1700)	1000 (1700)	2000 (3400)	150 (250)
	Med					200 (330)
	Hi					300 (500)
Efficiency	Lo	F58G: 69% - 95%	F58H: 69% - 95%	69% - 98%	69% - 98%	69% - 95%
	Med					
	Hi					
Electrical Ratings		F58G: 220-240V/50Hz	F58H: Must be connected to F58G	220-240V / 50-60Hz	220-240V / 50-60Hz	220-240V / 50-60Hz
Power Consumption (W)	Lo	36		22	36	140
	Med					
	Hi					
Color		—		—	—	Off-white/ Anthracite finish
Dimensions (mm)		F58G: 670Wx610Hx171D	F58H: 350Wx610Hx171D	318Wx605Hx172D	583Wx648Hx172D	610Wx565Hx185D
Installed Weight (kg)		F58G: 16.8	F58H: 10.9	9.5	16.8	13.0