



HITACHI
Inspire the Next

Air Purifier

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AUTHENTICALLY
Japan Made

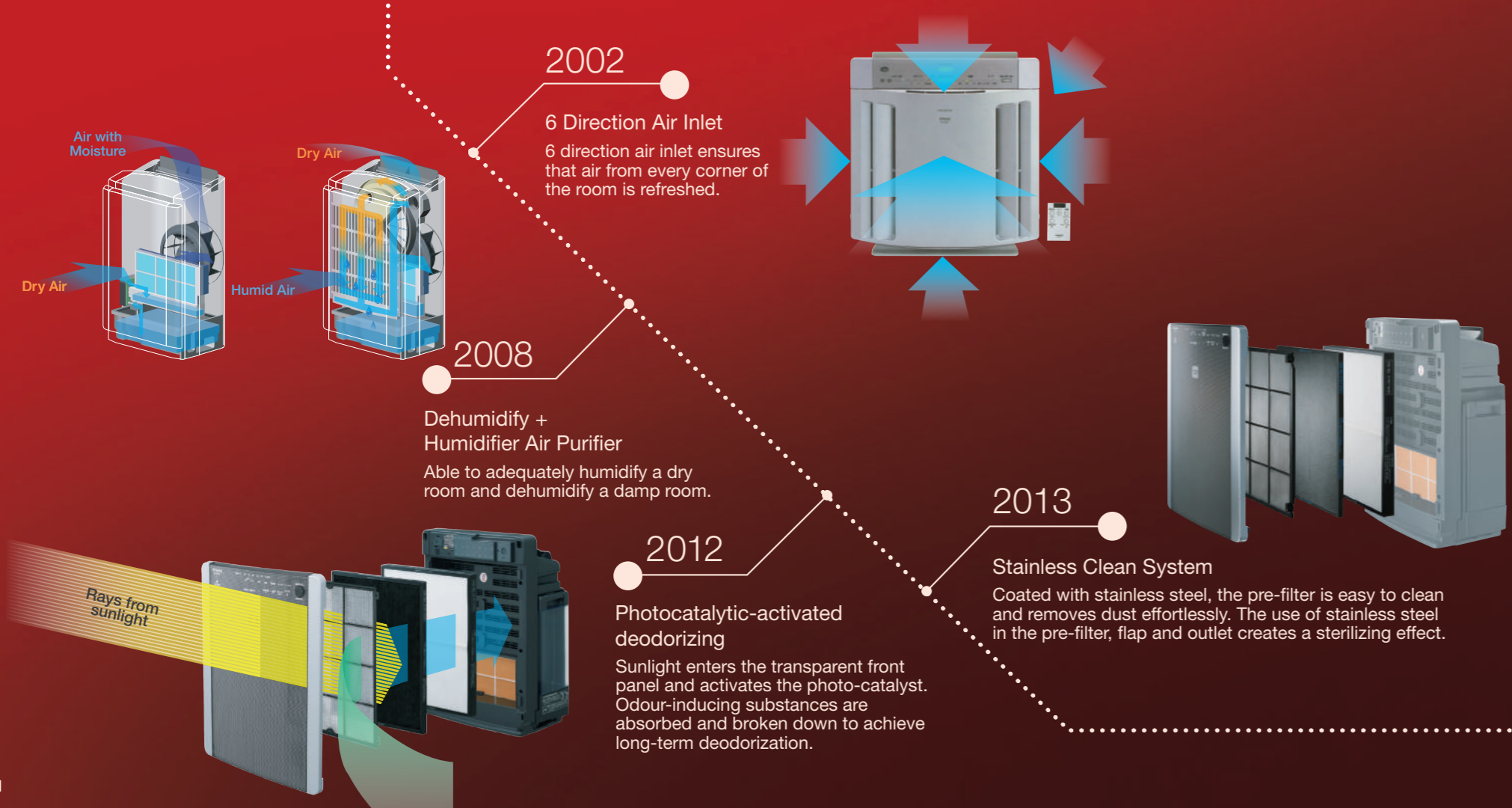


The Hitachi Story



The Hitachi Story

True to its hallmark history and philosophy of innovation, Hitachi's Air Purification System spells 'leading-edge' inside out. From its impressive 6-direction air inlet in 2002 to its breakthrough photocatalytic-activated deodorizing, and its easy-maintenance Stainless Clean technology, everything has been geared towards exemplary performance. Recently, its revolutionary and unconventional decision to place filters on the back lateral sides of the purifier enables a 13m² room to be purified in a mere 7 minutes! A breath of fresh air, from a company steeped in creating breakthrough technology.



Stainless Clean System

The stainless filter is not only hygienic but also easy to clean.



Allergen-free HEPA filter for fine dust

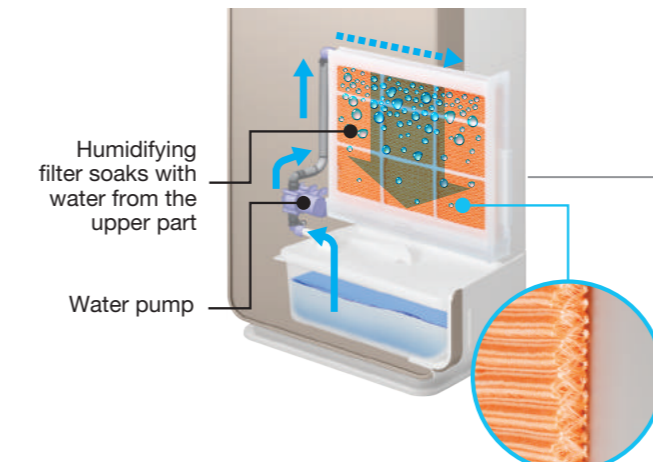
Effectively captures fine particles.

HEPA Filter collects **99.97% or more** dust of 0.3µm
 Collects 99.7% or more dust containing fine particles of 0.3µm at a rated air flow. Based on performance of a single HEPA filter with the JIS Z 8122. Overall room dust removal performance may differ.



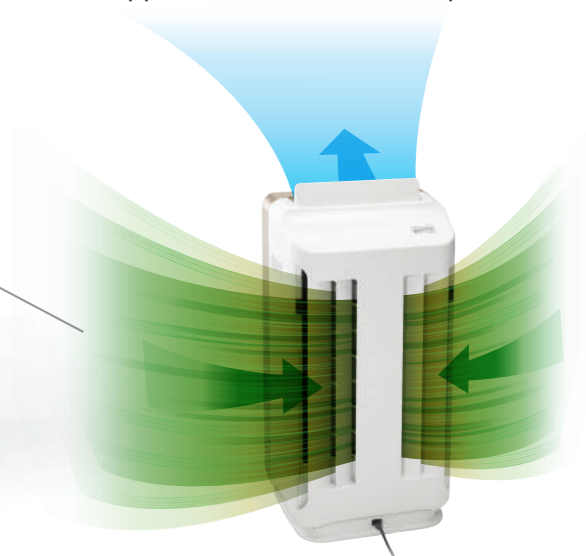
Humidification

Powerful humidification at 800mL/h.



Wide & Speedy Dust Collection

Speedy air purifying with a massive air volume of 9m³ per minute. Applicable to 68m² of floor space.



EP-A9000

Dust Collection Performance

Wide and speedy dust collection

Applicable to a 68m² of floor space. Rapidly collects dust in just 7 minutes in a 13m² room.

Increased air intake surface area achieved on the back lateral sides. By widely collecting dust from both sides, a 13m² room can be quickly purified in a mere 7 minutes.

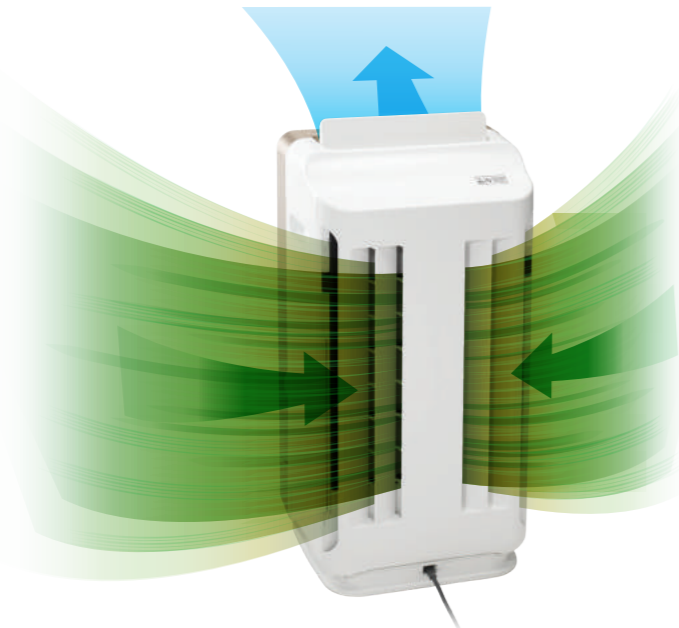
Dust collection capacity applicable to a floor space of up to 68m²

Cleans a 13m² room in just 7 minutes

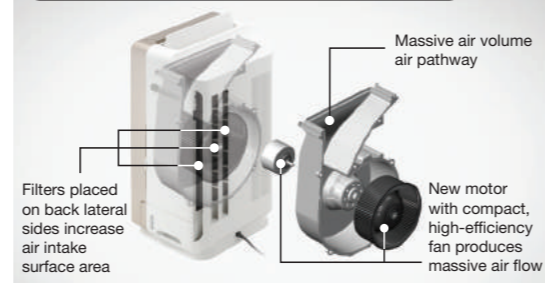
Time taken to clean

Displays time taken for dirt (powdered dust) of standard thickness to reach a level lower than the standard amount of such powdered dust in a room of approximately 13m²

Speedy air purifying with a massive air volume of 9m³ per minutes.



Mechanism for wide & speedy dust collection



PM2.5 sensor detects fine particles, cleans them up with max air flow

Purifies PM2.5 particles with a massive air volume – much quicker than the normal automatic air purification mode.

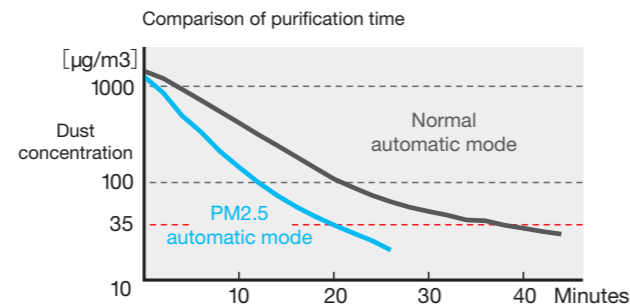
Switches to high-sensitive detection mode and purifies fine dust with max air flow operation.*¹ HEPA filters enable the collection of fine particles*² of 0.1µm and larger (0.5µm or larger with the dust sensor detection). Continues super-sensitive patrol operation even after cleaning the air.

*¹ Comparison with normal automatic air purification mode. Time required for reducing an initial concentration of approx. 1,000 µg/m³ to 35 µg/m³. Normal automatic air purification mode: 38 min, PM2.5 sensing automatic operation mode: 20 min. Surveyed by Hitachi. *² Cigarette smoke.

99% of 0.1 to 2.5µm particles caught*³ – ready to remove PM2.5 particles

New particles entering from outside during ventilation or by other means are not considered here.

PM2.5 is a collective term for particulate matter of 2.5µm or less in diameter. Removal of particulate matter less than 0.1µm has not been verified. Further, not all harmful substances in the air can be removed. Results were obtained in a sealed 32m³ space and not in an actual living space.



*³ Odour sensor does not activate during the PM2.5 sensing mode



Operation mode automatically changes according to fine particle concentration

Allergen-free HEPA for fine dust

Effectively captures fine particles.

Multi-layered structure of Allergen-Free HEPA Filter for fine dust effectively catches fine particles including dust, cedar pollen and airborne mold. It also suppresses the PM2.5.

HEPA Filter collects **99.97%** or more dust containing fine particles of 0.3µm at a rated air flow.
Based on performance of a single HEPA filter complying with the JIS Z 8122. Overall room dust removal performance may differ.

Suppresses activity of captured allergen substances.

The allergen-free components of the HEPA Filter for fine dust suppress the activity of cedar, birch & ragweed pollen, dust mite dung & cat dandruff that have been captured.

• Testing authority: Nichinichi Pharmaceutical Co., Ltd • Test method: ELISA • Suppression method: Application of anti-allergen agent to filter
• Test results: Cedar pollen 96% suppression, birch pollen 90%, ragweed pollen 96%, American dust mite dung 93%, European dust mite dung 91%, and cat dandruff 85%. Value in percentage calculated by Hitachi.

Air Purifier suppresses airborne viruses and bacteria*¹

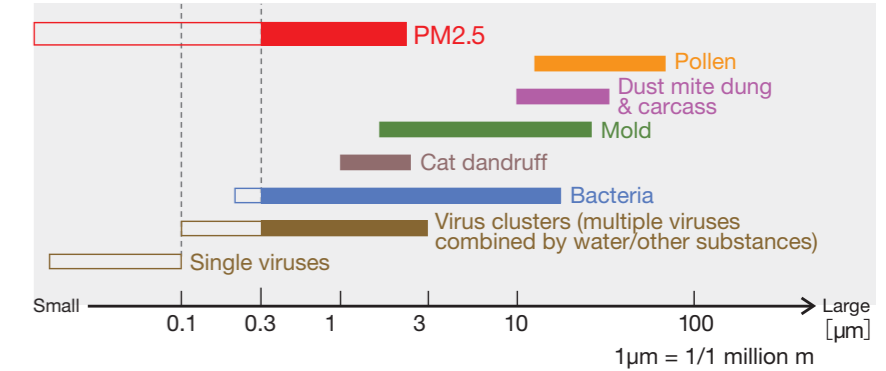
This is the effect on airborne viruses and bacteria after 13 minutes in a 25m³ test space, not the proven effect in a space where the filter is actually used. Effects may differ according to conditions and method of use. Tests performed conform to the Japan Electrical Manufacturers' Association standard (HD-124). *¹ Virus/bacteria suppression effect • Testing authority: Kitasato Research Center for Environmental Science • Test method: Performance evaluation test conforming to the Japan Electrical Manufacturers' Association standard (HD-124) conducted in a 25m³ test space. Same test applied for bacterial suppression effect • Test item: 1 type of airborne virus / 1 type of airborne bacterium • Test results: 99% or more suppressed in 13minutes • Model used: EP-A9000 (with max air

Filter surface area:
Approx. 2.8m²

Large surface area effectively captures dust.



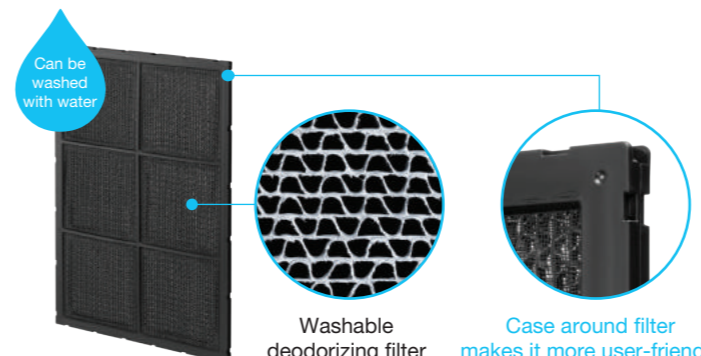
Example of particle sizes (Surveyed by Hitachi)



Deodorizing

Washable deodorizing filter

Filter can be washed with water when odour is noticeable. This helps reduce four major different types of odour bases: nitrogen, aldehyde, acid and sulphur components.



Nitrogen-based		Aldehyde-based		Acid-based	
Ammonia (Pet odours, etc.)	Trimethylamine (Foul fish odours, etc.)	Acetaldehyde (Cigarette odours, etc.)	Isovaleraldehyde (Odours of grilled meat, etc.)	Acetic acid (Cooking odours including pickling odours)	Isovaleric acid (Body odours, odour of laundry drying indoors, etc.)

Results of deodorizing performance tests performed in a 25m³ test space with single odour components. Deodorizing performance differs depending on the space where the unit is actually used. Surveyed by Hitachi.

Sulphur-based Hydrogen sulfide (Odours from drain outlet and toilets) Methylmercaptan (Odours from rotten vegetables)

Results of deodorizing performance tests performed in a 1m³ test space with single odour components. Deodorizing performance differs depending on the space where the unit is actually used. Testing authority: Japan Food Research Laboratories.

Easy maintenance and hygienic

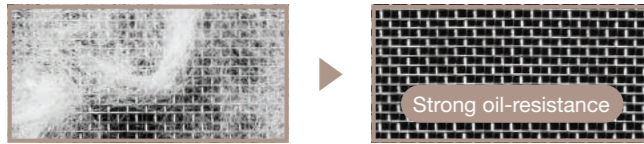
Stainless clean system

The stainless filter is not only hygienic but also easy to clean.

The pre-filter, coated with stainless steel, makes it easy to remove dust and clean. The stainless steel used in the pre-filter, flap, and net outlet helps eliminate bacteria.

Easy maintenance Quick cleaning of the pre-filter

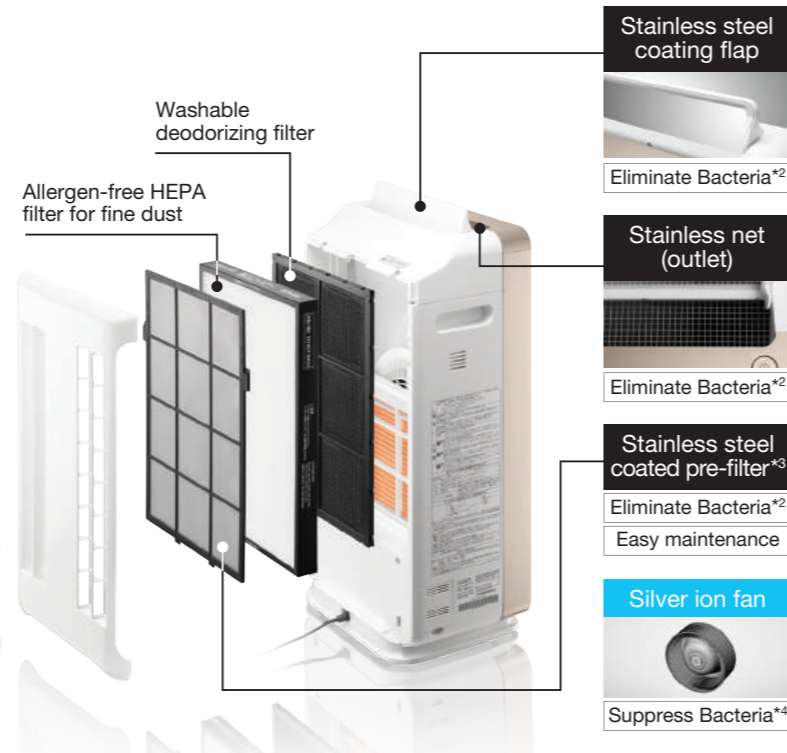
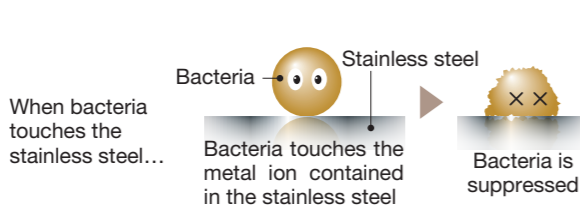
Comparison before and after cleaning*1



Unlike the previous pre-filter, from which dust with oil and smoke were hard to remove, the stainless steel enables easy vacuum cleaning of the filter.

*1 Tested by Hitachi. The photos show a stainless pre-filter with dust containing oily particles, equivalent to that collected after three months of use, and the same filter after cleaning with a Hitachi vacuum cleaner CV-SA700 (420W suction power). *2 Not all of the bacteria in the air released by the air purifier are eliminated. Antibacterial effect of the (1) stainless pre-filter, (2) stainless flap, and (3) stainless net (outlet) • Testing authority: (1) and (2) Boken Quality Evaluation Institute, (3) Kitasato Research Center for Environmental Science • Test method: JIS Z 2801 (film contact method) • Test item: Attached bacteria • Sterilization method: Using the metal ion released by the air purifier. Anti-bacterial effect of the silver ion fan • Testing authority: Boken Quality Evaluation Institute • Test method: JIS Z 2801 (film contact method) • Test item: Attached bacteria • Anti-bacterial method: Anti-bacterial components included into the silver ion fan • Test results: Anti-bacterial activity value 5.1 (anti-bacterial effect is present when the activity value is more than 2.0).

Hygienic Stainless steel sterilization*2



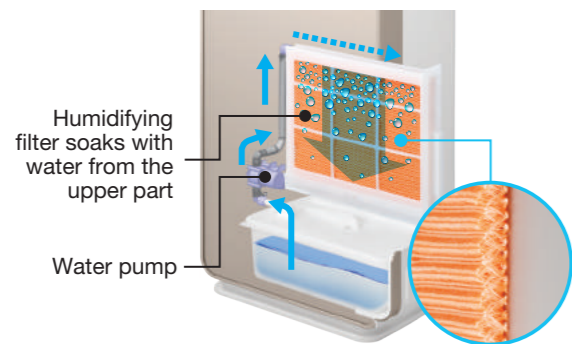
Humidification

Powerful humidification at 800mL/h

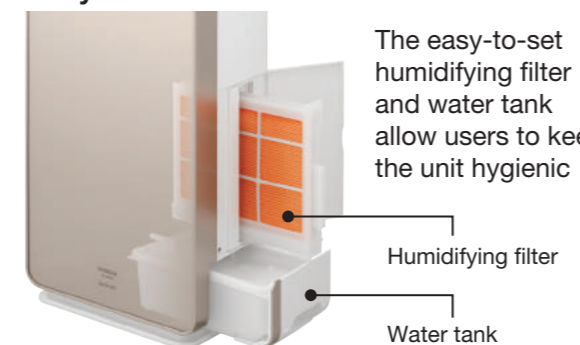
The feed-water pump supplies water from the upper part of the humidifying filter and controls the water quantity depending on the mode selected. Humidifies dry air powerfully.

Powerful humidification

The pleated humidifying filter is soaked with water from the upper part to achieve powerful humidification while effectively using the entire filter. The filter also has antibacterial and mold preventing functions and can be washed with water.



Easy maintenance



Antibacterial and mold prevention*5



*5 Antibacterial and mold prevention effects in the (1) water tank lid, (2) water tank, and (3) humidifying filter • Testing authority: (1), (2), (3) Boken Quality Evaluation Institute • Test method: Antibacterial Test (1) and (2) JIS Z 2801 (film contact method); (3) JIS L1902; Mold prevention Test (1), (2), (3) JIS Z 2911 • Test item: Attached bacteria and mold • Antibacterial and bacteria eradication method: Kneaded antibacterial and mold-preventive components into the resin • Test results: Antibacterial properties for (1) and (2) 6.2, and for (3) 5.3. (Antibacterial effect is considered to be effective when antibacterial properties are 2.0 or higher.) Mold resistance is proven in all (1), (2), and (3) as there was no mold detected.

User friendly

Touch panel operation

Touch panel has been incorporated on front glass panel.

*1 Control button lights are turned off during operation. Simple design only indicates temperature/ humidity and the clean monitor.

*2 **MENU** The control button lights turn on by pressing MENU button. Minimum number of buttons displayed makes operating panel simple, easy to use.

Pollen
Flap keeps air flow inclined and operates at medium air flow or higher. Effectively collects pollen floating around the floor.

Odour
Continues to operate at medium air flow or higher. Recommended to combat the smell of organic garbage, drain outlets and pet odours.

Rapid
Operates at strong air flow for an hour and switches to automatic operation at medium air flow or higher to quickly purify the air.

Absence
Operates at max mode and strong air flow for an hour and automatically turns off the power. Recommended to effectively clean a room air while not at home.

eco When the air is clean or the level of humidity is suitable, the fan automatically pauses and resumes operation every hour. Saves up to 14% power consumption compared to normal automatic operation.

Glass panel

Flat front glass panel is easy to clean – simply wipe off dirt. Reinforced glass is also scratch-resistant. Colour does not fade and matches all home interiors.

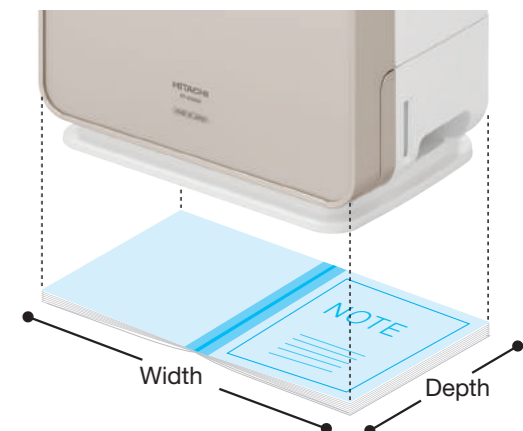


Slim design

Slim design occupies less space.

Similar in size to an open B5 sized notebook

Installation area of EP-A9000:
D25.4cm x W36.0cm
Open B5 sized notebooks:
D25.7cm x W36.4cm



Low operating sound and energy-saving

Special emphasis has been placed on reducing noise during operation and lowering electricity cost

Low noise operation

20 dB	Sound of leaves rustling on a tree	30 dB	Pendulum of a wall clock
40 dB	Inside a library	50 dB	Inside a regular office

Model	Silent	Medium	High	Max
EP-A9000	15dB	30dB	38dB	54dB

eco operation cuts energy consumption by up to 14%*1 compared to normal automatic operation.

When the air is clean or the level of humidity is suitable, the fan automatically pauses and resumes operation every hour.

*1 Energy consumption compared between automatic operation and ECO operation in air purifying mode. Automatic operation: 6.8Wh, ECO operation: 5.6Wh. Tested by Hitachi. Reduction rate of power consumption varies depending on how dirty the air is. Reaction toward dealing with dirty air and corresponding to humidity changes may be slower compared to normal operation mode.

EP-A9000



INVERTER



The “wide and speedy dust collection function” enables air to be widely drawn in and the rapid collection of dust in just 7 minutes in a 13m² room.

	Applicable Floor Space
Air Purifying	~68m ²

Champagne (CH)

Hitachi's Air Purifiers were awarded the Allergy UK Seal of Approval in recognition of their proven ability to reduce exposure to allergens.

* Tested by Allergy UK (The British Allergy Foundation) * Tested with house dust mites and pollen
* Applies to EP-A9000, EP-A8000, EP-A7000, EP-A6000, EP-A5000 and EP-A3000.

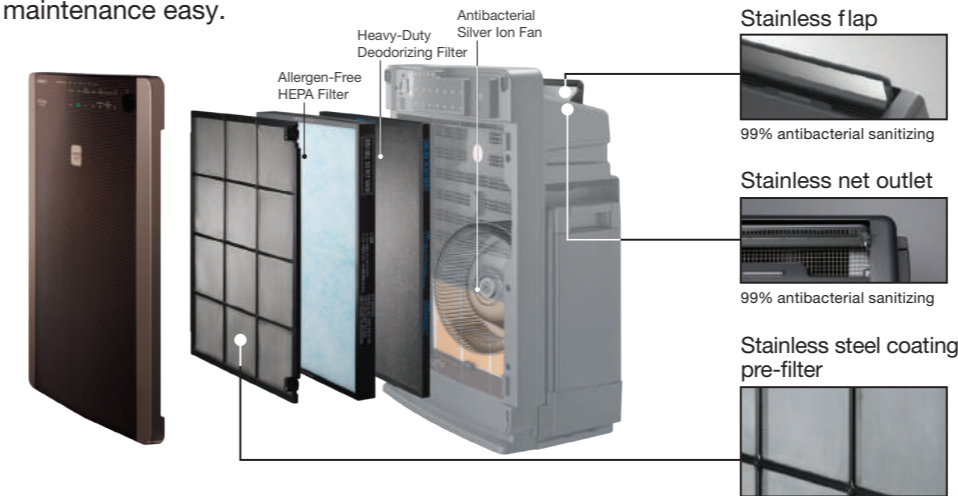
Clean air mode	Purifying time (At max air flow)*2	7 min in a 13m ² room
	Recommended applicable floor space for air purification (At max air flow)	~ 68m ²
Clean air and humidifying mode	Purifying time (At max air flow)*2	10 min in a 13m ² room
	Recommended applicable floor space for air purification (At max air flow)	~ 50m ²
	Humidifying amount (At max air flow)*3	Approx. 800 mL/h
	Recommended applicable floor space for humidifying	Room with wooden flooring ~ 22m ² Modern prefabricated room ~ 37m ²
Air flow amount (50/60Hz at max mode) Wide and speedy dust collection PM2.5 sensor HEPA filter Washable deodorizing filter Stainless clean system Glass panel Touch panel operation Off timer Room temperature indication	Air flow amount (50/60Hz at max mode)	9.0m ³ /min
	Wide and speedy dust collection	○
	PM2.5 sensor	○
	HEPA filter	○
	Washable deodorizing filter	○
	Stainless clean system	○
	Glass panel	○
	Touch panel operation	○
	Off timer	4 hours / 2 hours
	Room temperature indication	○

*2 **Time taken to clean:** Displays time taken for dirt (powdered dust) of standard thickness to reach a level lower than the standard amount of such powdered dust in a room of approximately 13m².

*3 In accordance with the JEM1426 standard of Japan Electrical Manufacturers' Association.

Stainless Clean

Stainless steel used on the air pathways keeps the unit clean and makes filter maintenance easy.



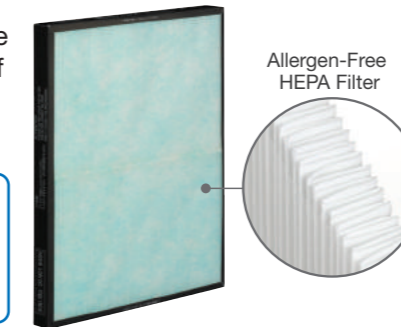
Efficient Dust Collection

The multi-layered construction of the Allergen-Free HEPA Filter catches and suppresses the activity of airborne mold as well as dust and viruses.

Allergen-Free HEPA Filter

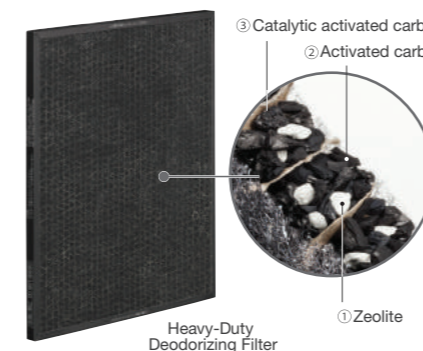
HEPA Filter dust collection rate 99.97% or more*1

*1 At a rated air flow, collects 99.97% of minute 0.3µm particles. This is the performance of a single HEPA Filter according to JIS Z 8122. Overall room dust removal performance may differ.



Powerful Deodorizing

Featuring large quantities of three deodorizing materials, the Heavy Duty Deodorizing Filter captures a wide range of odours and VOCs.



Reduces Formaldehyde (VOCs)

VOCs are volatile organic compounds that readily evaporate into the air at normal temperatures and pressures.

The results of a test performed by Hitachi conforming to the .standard (HD-103) set by the Japan Electrical Manufacturers' Association showed that in an approx. 10m² room, the initial formaldehyde concentration of 2ppm was reduced to 0.08ppm in about 200 minutes (EP-A8000), 220 minutes (EP-A7000) and 260 minutes (EP-A6000). The acceptable level of formaldehyde in a room in the guideline of the Ministry of Health, Labour and Welfare and the advised level of WHO is 0.08ppm or lower.

Other Features

Simultaneous humidification and air purification. There's a variety of convenient functions you can use when you go to bed.

Air Purifying & Humidifying

Two selectable modes provide the desired level of humidity.

Humidifying Mode [Humidity 50%]

This humidifies clean air to increase the humidity in a room to about 50%. It can be used in combination with the deodorizing course.

Skin Moisturizing Mode [Humidity 60%]

Room humidity can be increased up to about 60%*3. This helps keep your skin moist in the dry season and when using air conditioning.

*3 Humidifying capability may change due to temperature, humidity and other conditions. The effect differs between individuals. It also differs depending on the season, room temperature and other conditions.

Low Noise Operation

Even during max. airflow operation, the noise level is just 54dB*. During silent airflow operation, the noise level is 15dB, so low it won't disturb you when sleeping.

* Noise level differs depending on the model. Please refer to the specifications for details.

Eco Operation cuts energy consumption by up to 23%*4

When the air is clean or level of humidity is suitable, the fan automatically pauses, after which it operates every hour, making it economical.

*4 Energy consumption compared to regular automatic operation. It can take longer depending on how dirty the air is and changes in humidity.

Off Timer (4 hours)

You can set the 4-hour off timer with the press of a button, a real convenience when going to bed.

Degree of humidification

Max. 670mL/h*2
During max. air flow operation



*2 In accordance with the JEM1426 standard of the Japan Electrical Manufacturers' Association

EP-A8000



Crystal Brown (CBR)

Crystal Black (CBK)

INVERTER **PROACTIVE FILTRATION**

- **STAINLESS CLEAN**
- **ECO Mode**
Saves 23% more energy compared to Silent Mode
- **Humidifying Function**
- **Quiet Silent Mode 15dB**

	Applicable Floor Space
Air Purifying	~55m ²

EP-A7000



- ECO Mode
Saves 23% more energy compared to the Silent mode
- Humidifying Function
- Quiet Silent Mode 15dB

	Applicable Floor Space
Air Purifying	~50m ²



Premium Red (RE) Premium Black (BK)

EP-A5000



- Allergen-Free Catechin Deodorizing EPA Filter Thoroughly catches odours*1 and pollen
- ECO Mode
Energy consumption is up to about 36% less compared to regular automatic operation
- Humidifying Function
- Quiet Silent Mode 15dB

	Applicable Floor Space
Air Purifying	~33m ²



White (WH)

EP-A6000



- ECO Mode
Saves 23% more energy compared to the Silent mode
- Humidifying Function
- Quiet Silent Mode 15dB

	Applicable Floor Space
Air Purifying	~46m ²



Red (RE) White (WH)

EP-A3000



- 13cm Deep Compact Model
Depth of Approx. 13cm
- Air suction from six different directions

	Applicable Floor Space
Air Purifying	~25m ² (240V)



White (WH)

SPECIFICATIONS

Model Name	EP-A9000				EP-A8000				EP-A7000				EP-A6000				EP-A5000				EP-A3000											
Appearance																																
Body Colour	Champagne				Crystal Brown, Crystal Black				Premium Red, Premium Black				Red, White				White				White											
Power Supply	AC220-240V 50-60Hz				AC220-240V 50-60Hz				AC220-240V 50-60Hz				AC220-240V 50-60Hz				AC220-240V 50-60Hz				AC220-240V 50-60Hz 240V 50-60Hz											
Applicable Floor Space (m ²) ^{*1}	68				55				50				46				33				25											
Humidifying Capacity (mL/h) ^{*2}	Approx 800				Approx 670				Approx 670				Approx 670				Approx 520				-											
Tank Capacity (L)	Approx 2.5				Approx 2.3				Approx 2.5				Approx 2.5				Approx 2.5				-											
Mode & Course	Air Purify, Humidify, Skin Moist, Pollen, Odour, Rapid, Absence, ECO				Air Purify, Humidify, Skin Moist, Pollen, Strong Deodorization, ECO				Air Purify, Humidify, Skin Moist, Pollen, Strong Deodorization, ECO				Air Purify, Humidify, Skin Moist, Pollen, Strong Deodorization, ECO				Air Purify, Humidify, Skin Moist, Pollen, Strong Deodorization, ECO				Air Purify, Pollen, Odour											
PM 2.5	• (with sensor)				•				•				•				•				•											
Stainless Clean	•				•				-				-				-				-											
Inverter Control	•				•				•				•				•				-											
Removable Odours	Pet, Tobacco, Cooking, Rotten vegetables, Rotten fish, Grilled meat, Toilet, Sewage outlet				Pet, Tobacco, Cooking, Rotten vegetables, Rotten fish, Grilled meat, Toilet, Sewage outlet, VOCs				Pet, Tobacco, Cooking, Rotten vegetables, Rotten fish, Grilled meat, Toilet, Sewage outlet, VOCs				Pet, Tobacco, Cooking, Rotten vegetables, Rotten fish, Grilled meat, Toilet, Sewage outlet, VOCs				Pet, Tobacco, Cooking, Toilet, Sewage outlet				Pet, Tobacco, Cooking, Toilet, Sewage outlet											
Suppressible Substances	Mold, Bacteria, Viruses, Cedar pollen, Dead house dust mites				Mold, Bacteria, Viruses, Cedar pollen, Dead house dust mites				Mold, Bacteria, Viruses, Cedar pollen, Dead house dust mites				Mold, Bacteria, Viruses, Cedar pollen, Dead house dust mites				Mold, Cedar pollen, Dead house dust mites				Mold, Cedar pollen, Dead house dust mites											
Air Flow Rate	Max	High	Medium	Silent	Max	High	Medium	Silent	Max	High	Medium	Silent	Max	High	Medium	Silent	Max	High	Medium	Silent	Max	High	Medium	Silent	Max	High	Silent					
Air Flow	Clean air mode (m ³ /min)				Clean air & humidifying (m ³ /min)				Clean air mode (W)				Clean air & humidifying (W)				Clean air mode (dB)				Clean air & humidifying (dB)											
Power Consumption	85	16	10	7	70	22	14	4	60	22	14	4	60	22	14	4	50	32	14	4	37/43	25/24	22/20									
Sound	54	38	30	15	54	42	38	15	52	42	38	15	52	42	38	15	50	46	40	15	47/51	37/35	32/31									
Filter Type (Approx. filter life)	Washable Prefilter				Allergen-free HEPA Filter (10 years ^{*3})				Allergen-free HEPA Filter (8 years ^{*3})				Allergen-Free Catechin Deodorizing EPA Filter (2 years ^{*3})				Heavy Duty Deodorizing Filter (10 years ^{*3})				Washable Deodorizing Filter (10 years ^{*3})				Humidifying Filter (120 months ^{*4})				Humidifying Filter (36 months ^{*4})			
Remote Control	-				-				-				-				-				-				-							
Off Timer	• (4 hours or 2 hours)				• (4 hours)				• (4 hours)				• (4 hours)				• (4 hours)				• (2 hours)											
Sensors	Odour, Dust, Humidity, Temperature				Odour, Dust, Humidity				Odour, Dust, Humidity				Odour, Dust, Humidity				Odour, Humidity				Odour											
Power cord (m)	1.8				1.8				1.8				1.8				1.8				1.8											
Dimensions (HxWxD) (mm)	669x360x254				584x430x268				584x430x273				584x430x273				537x430x242				424x400x133											
Weight (kg)	12.5				10				10				10				8.5				4											
ECO Mode	Efficiency vs Silent mode (%)				14				23				23				23				36				-							

*1 Applicable floor space for operating the unit at max. air flow rate (JEM1467; The Japan Electrical Manufacturers' Association).

*2 Measurement conditions: 20°C, 30% humidity (JEM1426)

*3 In accordance with the JEM 1467 standard. In a test of dust collecting and deodorizing capability with 5 cigarettes smoked per day, the period of time after which air purifying took twice as long as the initial time, and the odour removal rate became half the initial rate.

*4 In a test performed with humidifying operation of 8 hours a day and washing with tap water once a month, the periods of time after which the level of humidification became half the initial level.

*5a In a test performed with humidifying operation of 8 hours a day and washing with tap water once a month, the periods of time after which the level of humidification became half the initial level.