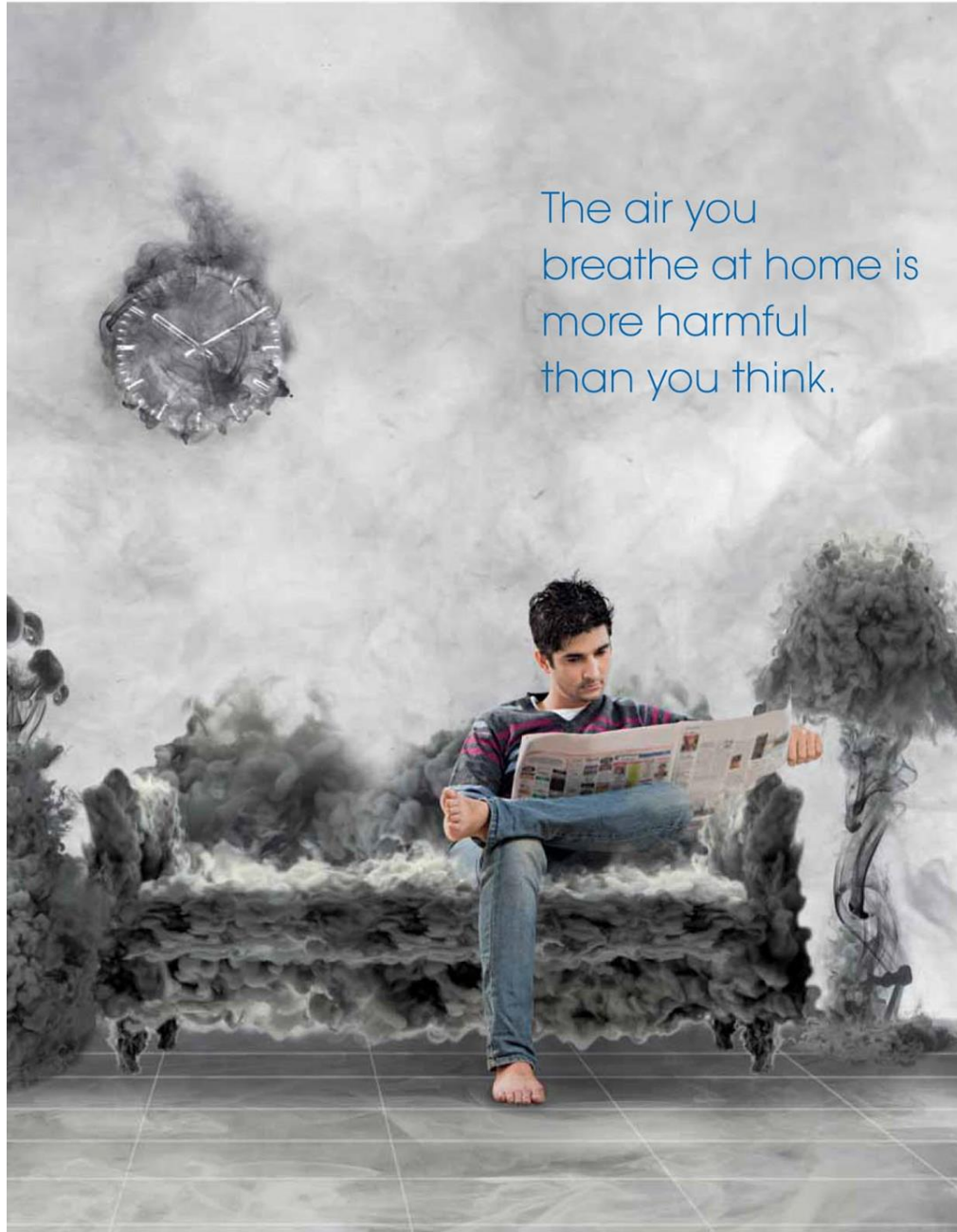




The air you  
breathe at home is  
more harmful  
than you think.





Breathe fresh  
air with  
Daikin Air Purifier.



## Kind of Indoor pollutants



## Superior filtration process



## The Current Quality of Air



## Health dangers

### Effects of being exposed to indoor pollutant

#### Short Term Effects

- Blocked nose and eye irritation
- Chest congestion
- Hypersensitivity and allergies
- Rhinitis
- Bronchitis

#### Long Term Effects

- Long term effects have a much longer impact lasting for years or an entire lifetime
- Heart disease
- Respiratory disease
- Damage to nerves, brain, kidneys and liver

Note \*Above information / data is based on media reports. References available on request.

## Breathe healthy. Live healthy.

The air inside your home only looks clean. But the truth is that it is buzzing with many deadly viruses, bacteria, allergens and other harmful pollutants that are invisible to the naked eye. Inhaling the polluted air can lead to various health problems like chest congestion, rhinitis, blocked nose and eye irritation, to name a few. Hence, maintaining clean air within your living space is very important.

Daikin Air Purifier destroys many such pollutants with its Flash Streamer Technology, and creates a healthier and fresher airflow.



Expecting women, young children and older adults have a weaker immune system, hence they are more susceptible to conditions such as asthma, heart disease and lung disease.



## Advantages of an air purifier

Why choose an air purifier  
over an air conditioner  
with filter?

### Power consumption:

It consumes very less  
power and delivers fresh air.  
Daikin air purifier consumes  
only 65W of power.

### Placement:

Kept on the floor, the air  
purifier also takes care of  
the pollutants settled near  
the floor. Daikin air purifier  
has powerful  
bottom suction.

### FLASH STREAMER



MC70MVM6

3-WAY SUCTION | GREATER AIR FLOW

### Filtration process:

It comes with  
multi-stage filtration level,  
which can take care of  
minuscule particles in the air.  
Daikin air purifier has  
6-stage filtration process for  
better air cleaning.

### Portability:

You can easily move it  
and place it conveniently  
in your house.  
Daikin air purifier  
weighs only 8.5Kg.

## Daikin Streamer Discharge Technology

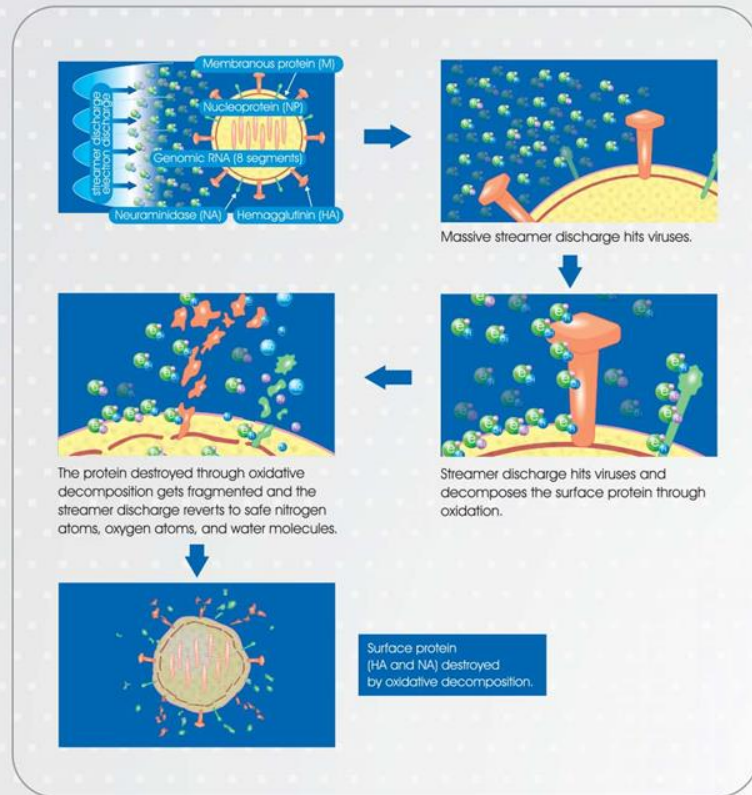
What is the Daikin Streamer Discharge Technology?



"Streamer Discharge" is a type of plasma discharge in which high-speed electrons capable of oxidative decomposition are generated. It has the ability to eliminate bacteria and mould as well as hazardous chemical substances and allergens, etc. Compared to standard plasma discharge (glow discharge), the discharge range of Daikin's Streamer Discharge is wider, which makes electrons easier to collide with oxygen and nitrogen in the air. This enables high-speed electrons to be generated three dimensionally over a wide area, which results in an oxidative decomposition speed that is over 1000 times greater with the same electrical power. Daikin's Streamer Discharge technology has proven successful in stably generating high speed electrons, a feat that has been considered difficult up to now.

# How the decomposition mechanism of Streamer Discharge Technology works

If it were thermal energy, the decomposition strength would be comparable to a heat of approximately 100,000°C<sup>\*\*</sup>.



<sup>\*\*</sup>Comparison of oxidation decomposition, this does not mean temperature will become high.

## Daikin Streamer Discharge Technology eliminates harmful substances

### Viruses and bacteria that have been proven to be deactivated

- Influenza virus (type A, H1N1)
- Highly virulent avian influenza virus (type A, H5N1)
- Bacillus coli, O-157
- Norovirus
- Staphylococcus aureus
- Pseudomonas aeruginosa
- Tuberculosis bacteria
- Toxins (enterotoxins)

### Allergens that have been proven to be decomposed

- **Fungal allergens:** sooty moulds, aspergillus, eurotium, aspergillus niger, fusarium, penicillium
- **Pollen based allergens:** cedar pollen, alder pollen, birch pollen, Japanese cypress pollen, pencil cedar pollen, bald cypress pollen, mugwort pollen, orchard grass pollen, ragweed pollen, sweet vernal grass pollen, timothy grass pollen, fleawort pollen, Japanese beech
- **Allergens from animate beings:** house dust mite [dermatophagoides pteronyssinus] (droppings and dead mites), house dust mite [dermatophagoides farinae] (droppings and dead mites), American cockroach (droppings), German cockroach (droppings), flea (droppings), dog epidermis (dander), cat epidermis (dander), hamster epidermis (dander)
- **Other:** wheat flour

Test method: constant generation method. Test room: 22 to 24 m<sup>3</sup>. Temperature: 23 ± 3°C. Humidity: 50 ± 20%. Ventilation condition: When concentration of 0.2 ppm is continually emanated, a removal capacity of 0.08 ppm is maintained at 36 m<sup>3</sup>/h, which is within the guideline of the Ministry of Health, Labour and Welfare (Japan). (This equates to the ventilation capacity of an approximately 65 m<sup>3</sup> room.)





## Hazardous chemical substances that have been proven to be removed by Streamer Technology

- Formaldehyde
- Diesel exhaust particulates (DEP)
- Hazardous chemical substances in exhaust gas: NOx, tetrachlorethylene, benzene, trichloroethylene, dichloroethane, dichloromethane, chloroform
- VOC type hazardous chemical substances: iso-butanol, hexane, styrene, nonanoic acid, trimethyl benzene, xylene, naphthalene, ethyl benzene, toluene, ethyl acetate

This product can be used to improve the quality of the air by removing airborne hazardous chemical substances, allergens, mould, bacteria, and viruses, etc. However, this product is not intended for the creation of sterile environments or for the prevention of pathogen infections.

## A clean technology that's recognised by public institutions\* in Japan and abroad

Tests that prove the effectiveness of the streamer Technology.

\* Following experiments were practised by third parties based on Daikin Industries Ltd's request.

Target of experiment	* Public institutions (testing organisation)	Test method
Virus	National Institute of Hygiene and Epidemiology (Vietnam)	CPE and TCID50
	Wladyslaw Research Center of Environmental Sciences	CPE and TCID50
	Kobe University Graduate School	ELISA method
	Yamagata University	Scanning electron microscope
Bacteria	Japan Food Research Laboratories	PCR method
Mould	The Jikei University	CFU
	Japan Food Research Laboratories	Pour plate culture method

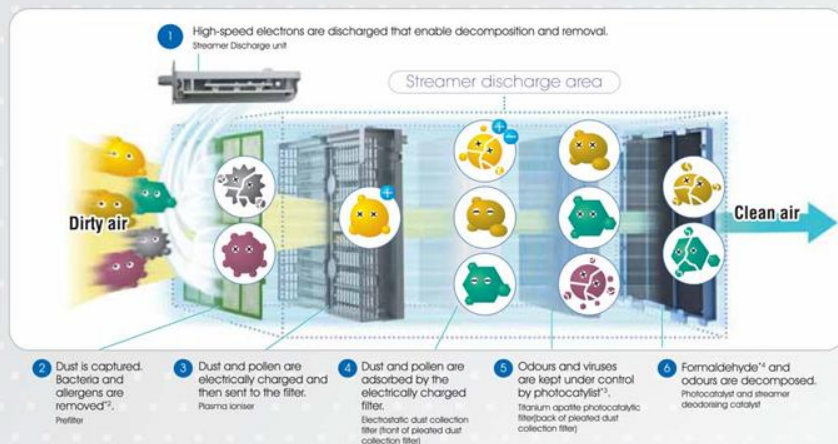
	Target of experiment	* Public institutions (testing organisation)	Test method
Allergens	Pollen-based allergens	Wakayama Medical University	ELISA method
	Allergens from animate beings		
	Fungal allergens		
	Flour		
	Flour		
Hazardous chemical substances	Adjuvant (DEP)	Yamagata University	ELISA method
	Adjuvant (VOC)	Tohoku Bunko Gakuin University	Damping technique
	Adjuvant inhibiting effect	Wakayama Medical University, National Institute for Environmental Studies	ELISA method
	Formaldehyde	Tohoku Bunko Gakuin University	Constant generation method

This description relates to the Streamer Technology devised by Daikin, but not to this Air Purifier. Test results from use of the Streamer Technology are generated according to prescribed test methods conducted by Daikin. Although the Streamer Technology is contained within this Air Purifier, this does not mean that precisely the same results will be experienced using this Air Purifier. Actual results may differ depending on the conditions of product installation and use of the actual product, etc.

This product is not a medical device, medical treatment device or a therapeutic good. This product is not intended to have any therapeutic use or to be used for the diagnosis, treatment, relief or prevention of illness. If you have a health concern or are not feeling well, please consult a health care professional.

## Daikin's air purifying technology decomposes and removes\*<sup>1</sup> dust, odours, bacteria and other undesirable airborne components.

### Six-layer powerful decomposition and removal configuration



### Effective against harmful pollutants like:

- Mould, bacteria, viruses
- House dust and pet hairs
- Hazardous chemical substances such as diesel particulates and exhaust gas
- Mould, pet, cigarette and other odours
- Allergens such as pollen and mites

#### \*1 Measurement method:

**Antibacterial test / bacterial removal test:** Testing organisation: Japan Food Research Laboratories; Test result certificate number 203120769-001; Result of experiment: 99.99% removal.

**Mould removal test:** Testing organisation: Japan Food Research Laboratories; Test result certificate 204041635-001; Result of experiment: 99.9% removal.

**Virus removal test:** Testing organisation: Kitasato Research Center for Environmental Science; Test result certificate 21\_0026 (issued by same organisation); Result of experiment: 99.9% removal. These results will differ from actual location where product will be used.

\*2 Conditions of experiment: Allergens were irradiated by Streamer Discharge and the breakdown of protein in the allergens was verified using either the ELISA method, cataphoresis, or an electron microscope (Joint research with Wakayama medical University).

#### \*3 Measurement method: Virus removal test:

**Testing organisation:** Kitasato Research Center for Environmental Science;  
**Test result certificate:** 21\_0026 (issued by same organisation);  
**Result of experiment:** 99.9% removal.

#### \*4 Test method: Constant generation method:

**Test room:** 22 to 24 m<sup>3</sup>;

**Temperature:** 23 ± 3°C;

**Humidity:** 50 ± 20%;

**Ventilation condition:** When concentration of 0.2 ppm is continually emanated, a removal capacity of 0.08 ppm is maintained at 36 m<sup>3</sup>/h, which is within the guideline of the Ministry of Health, Labour and Welfare (Japan). (This equates to the ventilation capacity of an approximately 65 m<sup>3</sup> room).

Note: Removes 99% of particle sized from 0.1 to 2.5µm.\*<sup>1</sup>

Invasion of new particle from outdoor by ventilation etc. is not considered.

With this air purifier, the removal of particle matter less than 0.1µm has not been confirmed. Moreover, it doesn't mean that harmful substances in the air cannot be removed completely. This is the effectiveness in the closed space of 32m<sup>3</sup>, not at the space actually used.

#1 Tested by Daikin Industries Ltd.

Test method: Based on the JEM1467 standard of the Japan Electric Manufacturers' Association.

Decision Criteria: The time removing 99% of particle matter sized from 0.1 to 2.5µm in the closed space of 32m<sup>3</sup> should be within 90 minutes.(This is the value convert into the test space of 32m<sup>3</sup>.)



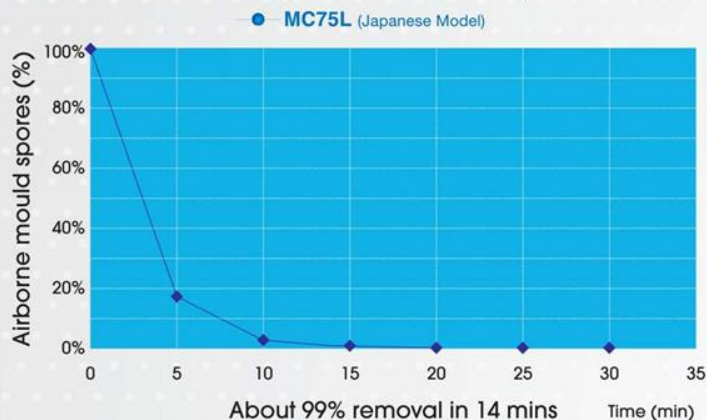
## Removal of airborne mould spores

### Bacteria removal

- **Room area:** Approx. 12 m<sup>2</sup> test method: Air purifier placed in premises. Air in premises is circulated while mould spores are dispersed. The quantity of airborne mould is measured after some time has elapsed.
- **Measurement method:** Air sampler method; Test report certificate 1057015008-01; Testing organization: Japan Food Research Laboratories; Test device: MC75L (Equivalent model for Japanese market)

Mould spores are thoroughly adsorbed by the Titanium Apatite Photocatalytic filter after being drawn in by the strong airflow. The photocatalyst and streamer deodorising catalyst with Streamer Discharge are then able to powerfully remove them.

### Mould spore removal ability



## Quick and thorough purification

### Powerful suction

### Dust raised while doing housework is also quickly captured

We recommend the ultra powerful turbo mode with its strong airflow to quickly clean away bothersome dust and odours at times such as when returning home, entertaining guests, or when housecleaning.

Turbo mode

Powerful  
7.0  
m<sup>3</sup>/min.  
airflow

### Guideline purification times (approx 46 m<sup>2</sup> floor space)



(Results based on testing carried out in accordance with the Japan Electrical Manufacturers Association standard JEM1467.)  
Calculation of air suction time is based on room size (area x 2.4 m) height / airflow (7.0 m<sup>3</sup>/min.).



## Decomposition of odour sources with Streamer Discharge

### Deodorisation

The components that cause foul odours are adsorbed by the filter and then decomposed by the Streamer Discharge. The ability to adsorb odours is continually renewed so replacement of the deodorising catalyst is unnecessary.



### About the dust collection and deodorising capacity of air purifiers:

Not all harmful substances in cigarette smoke (carbon monoxide, etc.) can be removed.

Not all odour components that emanate continuously (building material odours and pet odours, etc.) can be removed

## Dust collection speed (guideline)

	46.0m <sup>2</sup>	44.6m <sup>2</sup>	41.3m <sup>2</sup>	38.0m <sup>2</sup>	36.3m <sup>2</sup>	33.0m <sup>2</sup>	29.7m <sup>2</sup>
MC70MVM6 ~46.0m <sup>2</sup>	30 minutes	29 minutes	27 minutes	26 minutes	25 minutes	23 minutes	21 minutes

	26.4m <sup>2</sup>	23.0m <sup>2</sup>	19.8m <sup>2</sup>	16.5m <sup>2</sup>	13.2m <sup>2</sup>	10.0m <sup>2</sup>
MC70MVM6 ~46.0m <sup>2</sup>	19 minutes	17 minutes	15 minutes	13 minutes	10 minutes	8 minutes

(Results based on testing carried out in accordance with the Japan Electrical Manufacturers Association standard JEM1467).

### Conditions used to calculate purification time

- About floor space used

As one of the items stipulated in the Japan Electrical Manufacturers Association standard JEM1467, floor space is determined as the size of a room that can be purified of dirty air<sup>1)</sup> with a dust concentration of 1.25 mg/m<sup>3</sup> in 30 minutes up to a cleanliness of 0.15 mg/m<sup>3</sup>, as defined in the Building Sanitation Management Law, under the condition of one natural ventilation (1 time/hour).

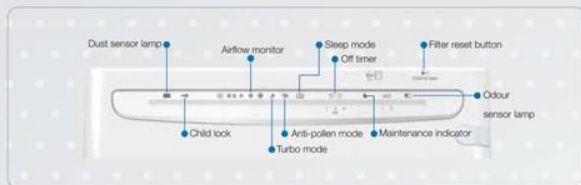
- Calculation of purification time

Using the above stipulation, the purification time for each unit of area is calculated as the time it takes to go from a dust concentration of 1.25 mg/m<sup>3</sup> to 0.15 mg/m<sup>3</sup>; in other words, the time it takes to reach 12% of the initial concentration.

<sup>1)</sup> Dirty refers to things such as odours, bacteria, and pollen. Things such as stains and oil spots cannot be removed.

## User friendly design that's easy-to-read and easy-to-use

Top display and operation panel



## Wide range of features like:



### Titanium apatite photocatalytic filter

Bacteria and viruses are thoroughly adsorbed by the titanium apatite and then removed by the photocatalyst.



### Streamer Discharge

This function quickly decomposes odours allergens, etc. with high speed electrons that have a powerful ability to oxidise.



### Electrostatic Filtration Process

A 6 stage process filtering the smallest particles, adsorbing them through electro-charged filter, without hindering air-flow & cleansing efficiency.



### Streamer deodorising catalyst

Odours and allergens, etc., are adsorbed on the catalyst and then decomposed by the power of the streamer.



### Plasma dust collection

Dust and pollen are collected by charging them positively while charging the electrostatic dust collection filter negatively.



### Pleated dust collection filter

Very economical, the air purifier comes standard with 5 replacement filters. You will not have to buy filters for 10 years (1 filter can be used for 2 years).



### Dust and odour sensor lamps

Dust and odours are detected and shown in 3 easy-to-understand colours to indicate the level.



### Power saving inverter

The inverter saves energy by efficiently controlling the rotational speed of the motor in order to reduce power consumption.



### Energy saving automatic operation

The air purifier is run, without wasteful operation, only in accordance with the level of pollutants in the air, which is detected by the sensor.



### Anti-pollen mode

Switching between normal and low airflow to create a gentle turbulence, pollen is caught before it lands on the floor.



### Auto restart after power failure

Air purifier restarts automatically after power failure.



### Off timer

Operation stop time can be set.



### Sleep mode

Operation automatically switches only between "Quiet" and "Low" modes in accordance with how polluted the air is. This is recommended for times such as sleeping.



### Child lock

This can be used to prevent small children from mishandling the air purifier.



### Turbo mode

This convenient mode provides high-power operation to quickly clean the air in a room when, for example, you come home or when you have guests over.



### Prefilter

This catches large dust particles. Bacteria and allergens are removed by the streamer and filter, which contains catechin.



### Brightness adjustment

The brightness of the indicator panel lamp can be adjusted.



Stylish design that  
complements your interiors



BED ROOM



RESTAURANT



OFFICE



LIVING ROOM

Economical: No need to buy filters for 10 years\*2

**10**  
year pleated  
filter

Operation is economical with the five included filters. You won't need to buy filters for 10 years, because each filter lasts 2 years.

- Easy filter storage

Unused filters can be stowed neatly inside the unit.

\*2 Based on ten cigarettes being smoked per day. (Calculation based on testing method of Japan Electrical Manufacturers Association JEM1467 standard.) The unit is unable to decompose all harmful substances such as carbon monoxide found in cigarette smoke. Two years as the replacement period for the pleated filter is given as a guide. This may differ depending on how and where the product is used. The replacement period will become shorter if it is used in a place where there are a lot of pollutants in the air.

### PHOTOCATALYST AND STREAMER DEODORISING CATALYST

REPLACEMENT IS UNNECESSARY  
BECAUSE ODOURS ARE DECOMPOSED.



Photocatalyst and deodorising catalyst  
decompose formaldehyde and odours.

## Technical specifications



With wireless  
remote controller

### Air Purifier MC70MVM6



Max.  
airflow  
7.0  
m³/min

Approximate room cleaning time 12m² / 9 min.*1	Maximum room capacity Approx. 46m³
Power saving inverter	Anti-pollen mode
Photocatalyst and streamer deodorising catalyst	Plasma dust collection
Streamer discharge	Quiet operation
Dust and odour sensor	Energy saving automatic operation
Sleep mode	Auto restart

\*1 Refer page 17 for dust collection speed (guideline)

Applicable room area	Up to 46 m² (12 m² purified in approx. 9 minutes)*1				
Power supply	1 phase 220-240 / 220-230 V (50/60 Hz), Cable code				
Color	White				
Dimensions (mm)	576 (H) x 403 (W) x 241 (D)				
Weight (kg)	8.5				
Convenient functions	Off timer, Child lock, Display adjustment				
Mode	Quiet	Low	Normal	High	Turbo
Airflow (m³/min.)	0.91	2.2	3.5	4.8	7.0
Power consumption (W)	7.0	10.0	16.0	26.0	65.0
Sound pressure (dB)	16.0	24.0	32.0	39.0	48.0
Sold separately	Replacement pleated filter KAC0174AE, Set of 5 (1 + 4)				
Pollutants that can be collected, reduced, and decomposed	<div>  Pollen (cedar pollen, alder pollen, birch pollen, Japanese cypress pollen, pencil cedar pollen, bald cypress pollen, mugwort pollen, orchard grass pollen, ragweed pollen, sweet vernal grass pollen, timothy grass pollen, fleawort pollen, and Japanese beech) </div>				
	<div>  Indoor air pollutants (formaldehyde, toluene, xylene, and styrene) </div>	<div>  Diesel exhaust particulates (DEP) - PM<sub>2.5</sub> &amp; PM<sub>10</sub> </div>	<div>  City exhaust gas (trichloroethylene, benzene, tetrachloroethylene, dichloromethane, and chloroform, dichloroethane) </div>	<div>  NOx </div>	<div>  SO<sub>x</sub> (butanol, ethyl acetate, hexane, nonanoic acid, trimethyl benzene, ethyl benzene, and styrene, naphthalene) </div>
Pollutants that can be collected/pollutants that can be deodorised	<div>  Moulds (sooty moulds, aspergillus, eurotium, aspergillus niger, fusarium, and penicillium) </div>	<div>  Cockroaches (American cockroach (droppings), German cockroach (droppings)) </div>	<div>  Fleas (droppings) </div>	<div>  House dust mites (dermatophagoides pteronyssinus (droppings and dead mites) and dermatophagoides farinae (droppings and dead mites)) </div>	<div>  Dog epidermis (dander) </div>
	<div>  Cat epidermis (dander) </div>	<div>  Hamster epidermis (dander) </div>	<div>  Virus </div>	<div>  Wheat flour </div>	
Pollutants that can be collected/pollutants that can be deodorised	<div>  Dust </div>	<div>  Pet hair </div>	<div>  Asian dust </div>	<div>  Body odour </div>	<div>  Ammonia </div>
	<div>  Garbage odour </div>	<div>  Cooking odour </div>	<div>  Cigarette smoke odour </div>	<div>  Pet odour </div>	<div>  Mould odour </div>

\*1 Calculation based on testing method of the Japan Electrical Manufacturers Association standard JEM1467.



**Note:**

- Ask an authorised Daikin dealer to install Daikin products. Do not try to install the product yourself or get it installed by an unauthorised dealer. Warranty of the product shall be void if not installed by an authorised Daikin dealer.
- Use only those parts and accessories supplied or specified by Daikin. Ask authorised Daikin dealer for any repairs or components. Warranty of the product / component shall be void if non-specified spares are used or repaired by a non-Daikin dealer.

For any inquiries, either call the numbers mentioned below or contact your nearest Daikin dealer.

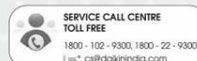
**DAIKIN AIRCONDITIONING INDIA PVT. LTD.**

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World's no.1 position based on internal assessment of total company sales revenue for 2012/13.  
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