Air Purifier

Improved breathing comfort for allergy and asthma sufferers

DAIKIN CARES FOR YOUR AIR

Improved breathing comfort for allergy and asthma sufferers
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A TRADITION OF caring FOR YOUR AIR

Daikin has been a technology leader in energy-efficient climate control solutions for more than 80 years. Its products are renowned the world over for their mix of high technology, ease of use and pioneering concern for the environment.

This extensive background can be seen in our new fourth generation air purifier, the MC707. The technologically ground-breaking MC707 adds a new dimension of comfort to your life with its improved performance, ultra quiet operation, large airflow and new stylish design. Daikin’s latest air purifier model, the MC707, is the result of many years of investment in innovation at the service of the customer’s well-being. These efforts place the MC707 among the best residential air purifiers on the market today.
The importance of clean indoor air

Clean indoor air is hard to find these days

A link is increasingly being made between health problems and the quality of the air we breathe. Reported cases of allergic diseases and asthma are on the rise. According to the EFA*, over 80 million people across Europe have some form of allergic disease and their prevalence is increasing.

*EFA: European Federation of Allergy and Airway Diseases Patients Association / www.efanet.org / February ’06.

Today’s residences and buildings are better insulated than ever, but this implies a limited exchange of outdoor air with indoor air. As a result, the air we breathe indoors can be more polluted than outdoor air. Moreover, we commonly spend up to 90% of our time in indoor environments.

*European commission at www.europe.eu.int / February ’06.

Indoor air can include

› Airborne allergens such as pollen, dust, house dust mites droppings and pet dander.
› Triggers to allergens such as moulds, tobacco smoke and adjuvant substances.
Allergens are impurities in the air that can bring on an allergic reaction. In an urban environment, a mixture of these allergens with other impurities present in the air – called adjuvant substances – such as Diesel Exhaust Particles (DEP’s) produced by engines and Volatile Organic Compounds (VOC’s) present in building materials, cosmetics, etc. can turn allergens into heavy allergens. These in turn can have increased negative health effects such as aggravated symptoms and the triggering of latent allergies.

BREATHTAKING results

Thanks to the Flash Streamer technology, developed by Daikin, the MC707 is highly efficient in eliminating these potentially harmful agents*.

Allergen removal
The MC707 removes the most common allergens such as pollen, dust, mite droppings and mold and adjuvant substances such as formaldehyde.

Removal of viruses and bacteria
Airborne viruses are removed by a new Bio-Antibody filter in less than 1 minute. Bacteria and mould spores are broken down by the Flash Streamer after being adsorbed by the Titanium Apatite photocatalytic filter.

Deodorisation
The Flash Streamer breaks down and removes odours before the purified air is returned to the room.

* The Daikin Air Purifier is not a medical device and is not meant to be used as a substitute for any medical or pharmaceutical treatment. All figures given here may differ depending on the actual conditions of use.
BESIDES A NUMBER OF PRACTICAL FEATURES, THE MC707 OWES ITS ENHANCED PERFORMANCE TO AN ADVANCED 7-LAYER FILTERING SYSTEM, THE PRODUCT OF DAIKIN'S CONTINUOUS DRIVE FOR INNOVATION AND EFFICIENCY.

How does the 7-layer filtering system work?

1. The Pre-filter – containing catechin – captures large dust particles and pet hairs.

2. The new active Bio-Antibody Filter removes airborne viruses.

3. The Plasma Ionizer positively charges dust and pollen particles, which are removed by the negatively charged Electrostatic Dust Filter.

> > >

* Catechin is a natural anti-bacterial substance derived from tea leaves that kills germs that can attach to these particles.
4 The Flash Streamer decomposes chemical substances such as odours and formaldehyde into harmless by-products.

5 The Flash Streamer also promotes a photocatalytic reaction on the surface of the Titanium Apatite Photocatalytic Filter 6 that removes bacteria and viruses.

7 The Deodorising Catalyst breaks down odours.

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4 **Flash Streamer**
High-speed electrons are generated by the Flash Streamer. These electrons powerfully break down odours and formaldehyde.

5 **Electrostatic Dust Collection Filter (front)**
Positively charged dust and pollen are adsorbed by the negatively charged filter.

7 **Deodorising Catalyst**
Odours are adsorbed and broken down before the air is returned to the room.

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*The filtering surface of a pleated filter is approximately 1.5 times larger than that of a conventional flat filter.*
Main FEATURES

› Large air flow: 420m³/h*
  *(in TURBO MODE)

› Ultra quiet operation: 16dB(A)*
  *(in SILENT MODE)
  This makes the unit suitable for use in bedrooms.

› Compact size
  Fits everywhere. No room or office corner is too small for the MC707.

› Portable
  The unit can easily (only 9 kg) be moved from one room to another.

› Low maintenance, Easy to clean
  Easy to clean flat panel.

Bio-Antibody filter* must be replaced yearly in order to maintain anti-virus action.
* The Bio-Antibody filter is usable for one year after opening. Nevertheless, overall operation will not be adversely affected if a Bio-Antibody filter is not used. The filter is effective 3 years from the date of manufacture.

Pleated filter to be replaced yearly. The unit includes 7* pleated filters, one for immediate use and 6 spares.
* Calculation of filter life is based on 10 cigarettes per day smoked in the room. (Results based on testing carried out in accordance with Japan Electrical Manufacturers Association 81M1467 standard.) The unit is unable to remove all harmful substances such as carbon monoxide found in cigarette smoke. Replacing the filters once per year is provided as a guide. The replacement interval will differ depending on how the unit is used and where it is located.
1. **Air inlet for dust sensor**  
   Air enters here so that the dust sensor can detect how much dirt there is.

2. **Child lock**  
   Set the child lock with the remote control to prevent small children from operating the air purifier.

3. **Automatic operation**  
   Air flow is adjusted to the level of dirt in the air. When the air is cleaner, lower air flow rates are enabled. Thus saving electricity.

4. **Automatic operation indicator**  
   Illuminates during automatic operation. One of the airflow lamps will also illuminate.

5. **Airflow rate indicator**  
   Illuminates when setting the airflow rate.

6. **Turbo and Pollen mode indicators**  
   This convenient mode provides high-power operation. Use it when you first arrive home or when you have unexpected guests.

7. **Off timer**  
   The remote control can be set to turn the unit off after 1, 2 or 4 hours.

8. **Off timer setting indicator**  
   The lamp for the off timer setting illuminates. After setting, the remaining time is indicated by a lamp.

9. **Negative ion indicator**  
   Illuminates during Negative Ion mode.

10. **Negative Ion Mode**  
    By creating a gentle turbulence in the room air, pollen is caught before it lands on the floor.

11. **Brightness adjustment**  
    The brightness of the lamps on the indicator panel can be adjusted to one of three levels.

12. **Pollen Ion Mode**  
   Turning on the ‘RELAX’ switch is all it takes to generate negative ions. The large air flow fills the entire room, corner to corner, with freshened air.

13. **4 fan speeds**  
    Fan speed can be adjusted in four steps from LL to H mode.

14. **Filter replacement indicator and reset switch**  
    Illuminates when it is time to replace the pleated photocatalytic filter. No action is taken, it will start flashing. Please press the Reset switch after replacing the filter.

15. **Air inlet for odour sensor**  
    Air enters to allow the dust sensor to detect how much odour is present.

16. **Odour monitor**  
    Indicates the amount of odour detected in the air.
Daikin has already received great praise for its air purifiers: a UK Allergy Certificate and the Daikin TüV Award confirm the efficiency of our units.

### MC707VM-S

<table>
<thead>
<tr>
<th>Model</th>
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<tr>
<td>Power supply</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>H x W x D mm</td>
</tr>
<tr>
<td>Colour</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
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### MODE (50Hz)

| Power input | kW |
| Sound pressure level | dB(A) |
| Sound power level | dB(A) |
| Airflow rate | m³/h |
| Dust collecting method |   |

### Deodorising

<table>
<thead>
<tr>
<th>Method</th>
<th>Deodorising performance (%)</th>
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<tr>
<td>Regenerate method</td>
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### Bacteria filtering method

<table>
<thead>
<tr>
<th>Filter</th>
<th>Dust collection and deodorisation</th>
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<tbody>
<tr>
<td>Lifetime</td>
<td></td>
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<tr>
<td>Bio-Antibody Filter</td>
<td>Pre-filter</td>
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### OPTIONS

- Titanium Apatite Photocatalytic Pleated Filter for replacement
- Bio-Antibody Filter for replacement
THE STYLISH DESIGN
OF THE MC707 MATCHES
ANY INTERIOR DESIGN

MC707VM-S
1~, 220-240/220-230V, 50/60Hz
533x425x213
Sparkling silver + metallic ocean blue
8.7

<table>
<thead>
<tr>
<th>TURBO</th>
<th>H</th>
<th>M</th>
<th>L</th>
<th>SILENT</th>
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<tbody>
<tr>
<td>0.055</td>
<td>0.023</td>
<td>0.014</td>
<td>0.010</td>
<td>0.008</td>
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<tr>
<td>47</td>
<td>38</td>
<td>31</td>
<td>24</td>
<td>16</td>
</tr>
<tr>
<td>62</td>
<td>52</td>
<td>40</td>
<td>39</td>
<td>31</td>
</tr>
<tr>
<td>420</td>
<td>285</td>
<td>180</td>
<td>120</td>
<td>60</td>
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Plasma ionizer (electrostatic dust collection) + Electrostatic dust collection filter
Flash Steamer + Titanium Apatite Photocatalytic filter + Deodorising catalyst
Bio Antibody Filter + Flash Steamer + Titanium Apatite Photocatalytic Filter
Pleated filter
Deodorisation + disinfection + dust collection + adjuvant removal
1 filter/1 year
New
Catechin pre-filter

KAC972A4E
KAF972A4E
Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.

Daikin units comply with the European regulations that guarantee the safety of the product.

Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units. VRV products, Rooftops, FWB-J and FWD-units are not within the scope of the Eurovent Certification Programme.

Daikin’s unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

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