



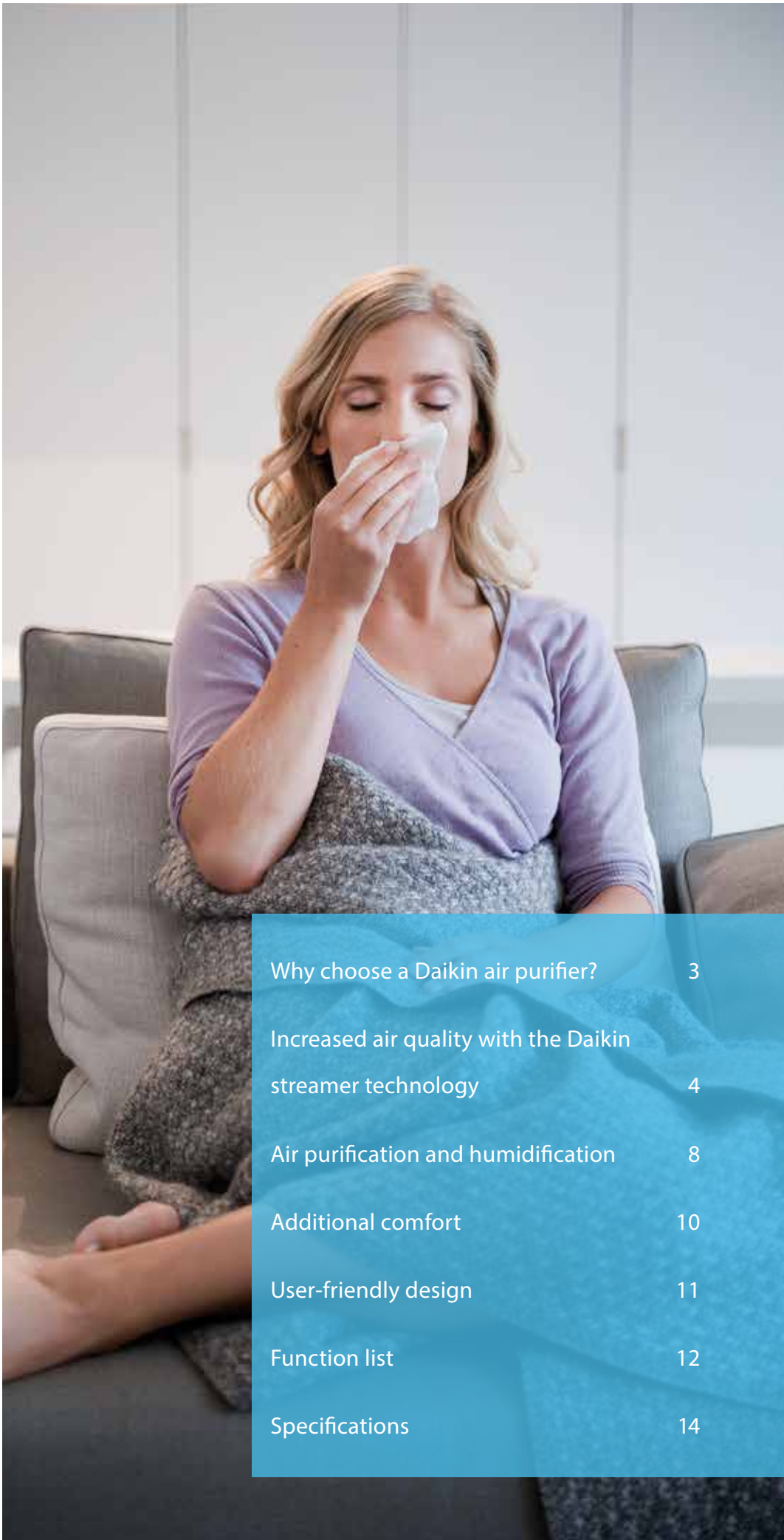
Pure air  
because Daikin cares



MCK75J



MC70L



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# Why choose a Daikin air purifier?

Daikin is the world leader when it comes to energy-efficient climate control solutions. Thanks to our constant innovation in **comfort, energy efficiency, control** and **reliability** we define the benchmarks for quality within the industry.

## Comfort

- ✔ Breathing clean air is one of the joys of life and is certainly a major health benefit. **Clean air** delivered at the right humidity and in the right place is a perfect foundation for optimal comfort.
- ✔ Daikin's air purifiers filter out particles, allergens and unpleasant odours to deliver clean air for you to breathe and so optimizing your comfort levels and **reducing health risks**.

## Control

- ✔ Our air purifiers allow you to be in total control of where and when clean air is delivered.
- ✔ The compact size and light weight allows you to place the air purifier where it is needed and the **simple-to-operate** but highly sophisticated controls put you in total control of flow rate, humidity levels and scheduling of use.
- ✔ The **various modes** are pre-set functions that can be used when special situations arise.

## Energy efficiency

- ✔ It would not be a Daikin product if it had anything less than the highest level of energy efficiency. Like all our products and systems, our air purifiers are highly energy-efficient and this is enhanced by **special sensors** that detect the level of pollutants in the air and switch the unit on and off accordingly, while **timers** allow automatic air purification to be scheduled.

## Reliability

- ✔ Daikin products are renowned for their reliability. And you can rely on **service** to match.



Increased air quality with  
the **Daikin streamer technology**



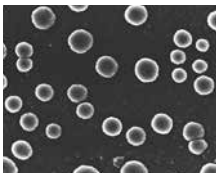
## What is the Daikin streamer technology?

The massive streamer discharge hits the viruses, mould, bacteria, allergens and hazardous chemical substances, decomposing and fragmenting their surface proteins, which are then destroyed through oxidation, thus rendering the virus safe. The streamer discharge then breaks down into safe nitrogen and oxygen atoms and water molecules.

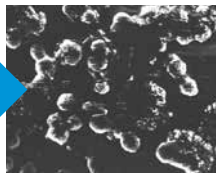
Compared to the standard technologies in use, the Daikin streamer technology creates a wider plasma discharge within the machine that allows a greater number of electrons to be produced, resulting in an oxidative decomposition speed that is nearly 1,000 times greater.



### Virus



BEFORE irradiation



AFTER irradiation

### Pollen-based allergen



BEFORE irradiation



AFTER irradiation

### Fungal allergens



BEFORE irradiation



AFTER irradiation

Viruses and allergens were placed on the electrode of the streamer discharge unit and then photographed through an electron microscope after being irradiated. (Testing organization: Yamagata University and Wakayama Medical University)

## Powerful six-layer purification

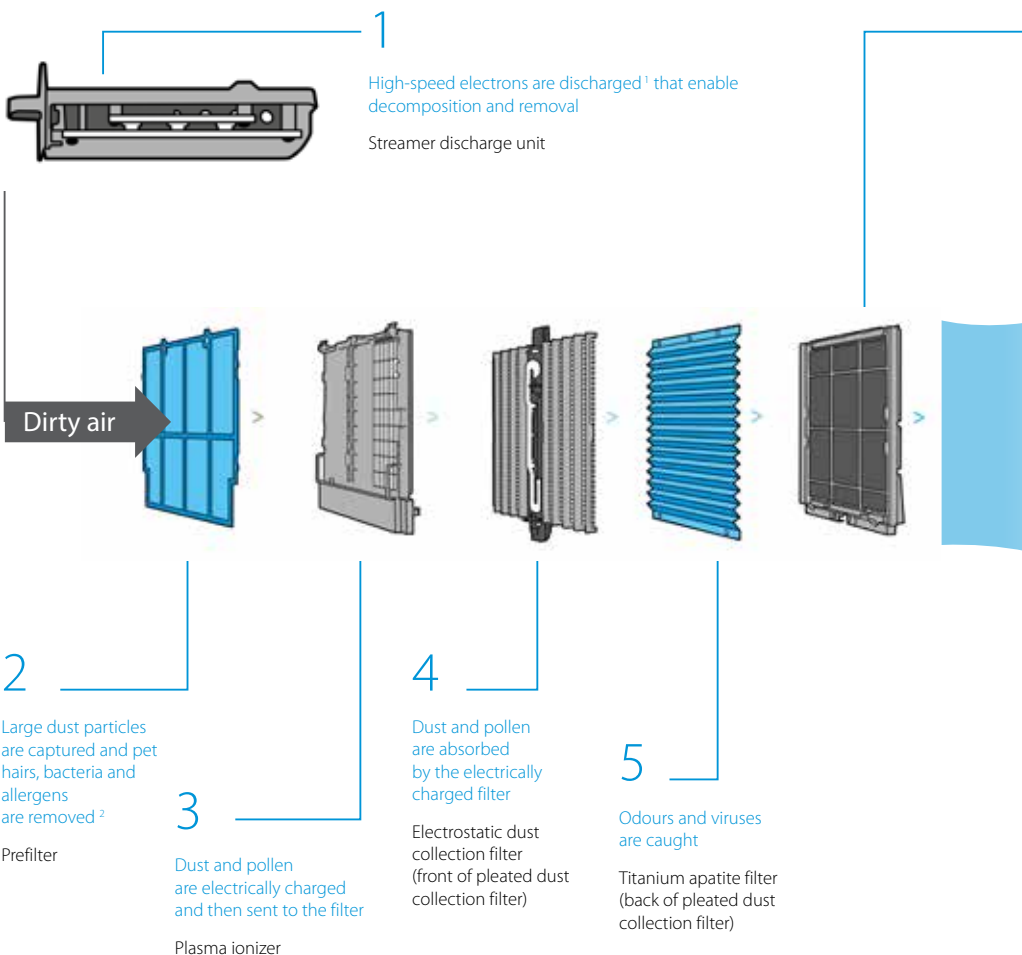
# How does the six-layer filtering system work?

The Daikin air purifier efficiently removes allergens (e.g. pollen, dust, etc.), bacteria and viruses. In addition, it has a high deodorizing efficiency: it eliminates tobacco smoke whilst decomposing other smells.

It also quickly collects particles and breaks them down rapidly.

Its quiet operation makes it ideal for peaceful nights. The unit includes seven pleated filters (one for immediate use and six spares).

## Enhanced technology means clean air



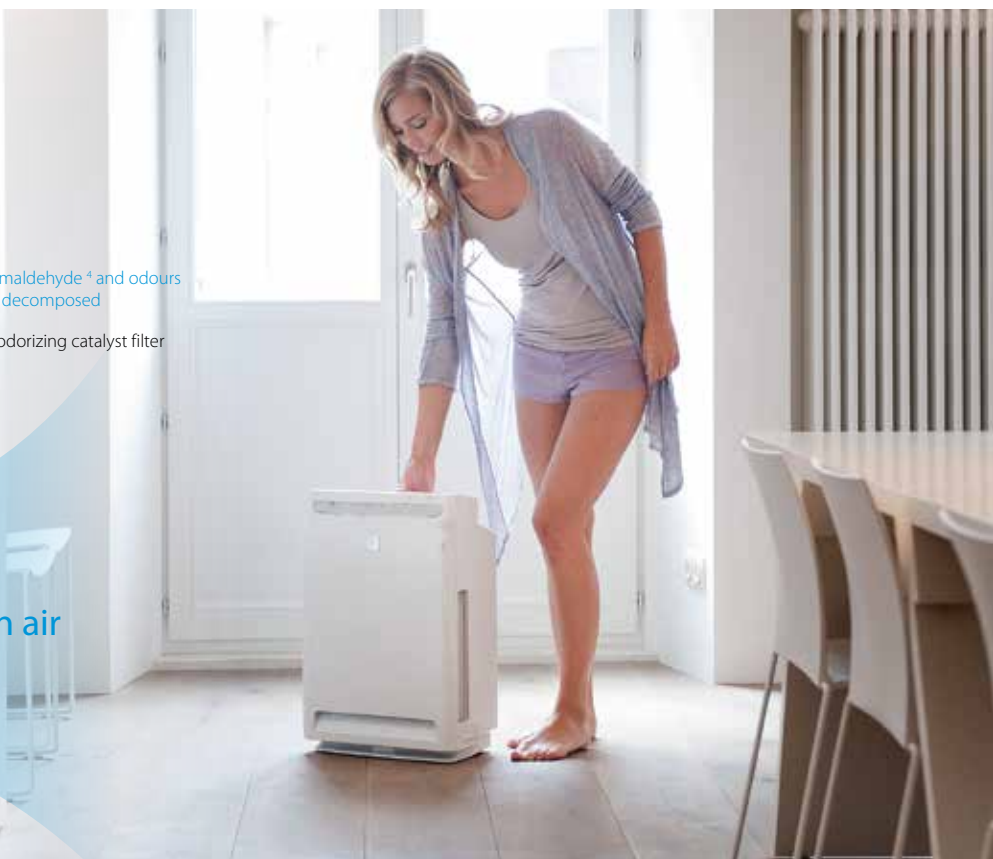


## 6

Formaldehyde<sup>4</sup> and odours are decomposed

Deodorizing catalyst filter

Clean air



1 Measurement method: Antibacterial test/bacterial removal test; Testing organization: Japan Food Research Laboratories; Test result certificate number 203120769-001; Result of experiment: 99.99% removal/mould removal test; Testing organization: Japan Food Research Laboratories; Test result certificate 204041635-001; Result of experiment: 99.9% removal/Virus removal test; Testing organization: Kitasato Research Center for Environmental Science; Test result certificate 21\_0026 (issued by same organization); 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 the ELISA method, cataphoresis, or an electron microscope. (Joint research with Wakayama Medical University.) 3 Measurement method: Virus removal test; Testing organization: Kitasato Research Center for Environmental Science; Test result certificate 21\_0026 (issued by same organization); 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.)

# Air purification and humidification







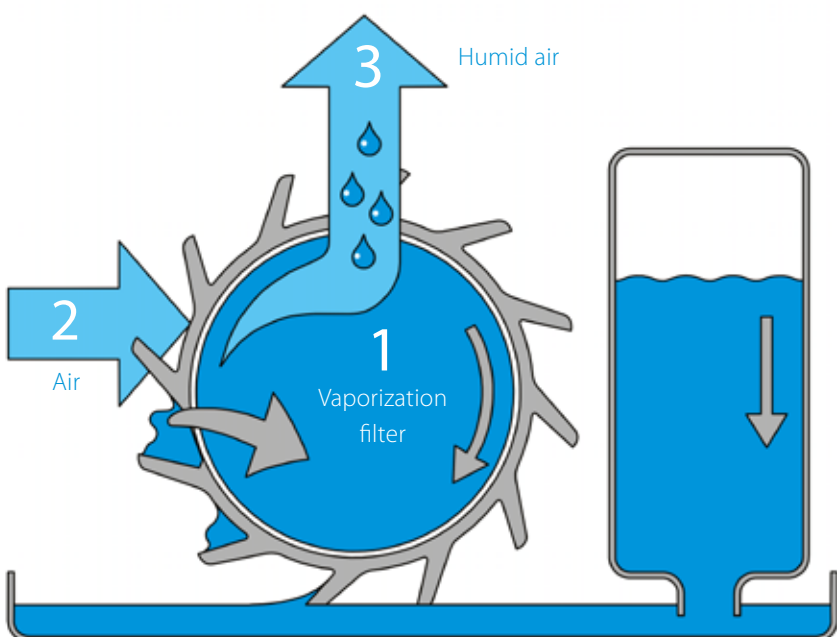
MCK75J

# Ururu humidification

There are many substances in the air you breathe such as allergen, bacteria, viruses and tobacco smoke, which causes your health to suffer. Above all things, dryness is especially a big issue during the wintertime. Daikin's Ururu air purifier moisturizes the air inside your home and relieves the effects of dry air. Just fill the four-litre tank occasionally and it will humidify your room with a maximum volume of 600 ml/h. This useful and innovative function of humidification – called "Ururu" in Japanese – stems from the incorporation of a slim-line water tank and combined water wheel and vaporization filter assembly.

## How does the humidification function work?

1. The water wheel lifts the water from the receiver tray.
2. Air is blown onto the filter.
3. Humid air is discharged into the room.



# Additional comfort



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Suitable for rooms of up to 46 m <sup>2</sup>	✓	✓
The powerful fan action reaches every corner of the room	✓	✓
Large air flow* <small>*in TURBO MODE</small>	420 m <sup>3</sup> /h	450 m <sup>3</sup> /h
Ultra quiet operation* This makes the unit suitable for use in bedrooms. <small>*in SILENT MODE</small>	16dB(A)	17dB(A)
Compact size Fits everywhere. No room or office corner is too small for the unit.	✓	✓
Portable	8.5 kg	11 kg
Low maintenance, easy to clean Easy-to-clean flat panel.	✓	✓
Sleep mode Operation automatically switches between "quiet" and "low" modes in accordance with how polluted the air is.	✓	-
Wireless operation	✓	✓
Washable and reusable cartridge	-	✓



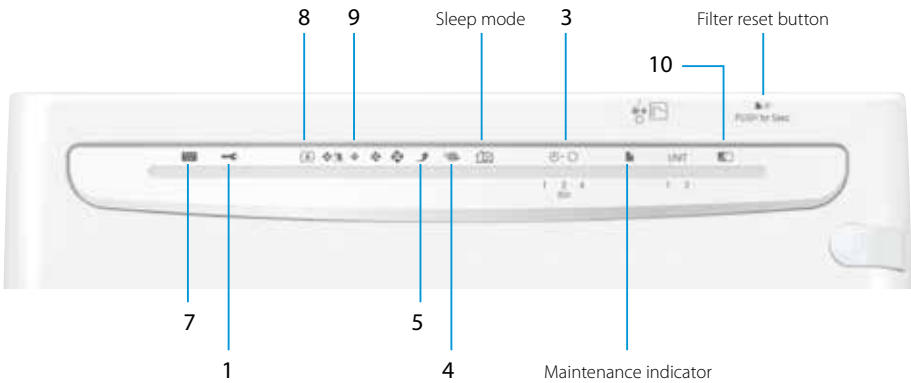
# User-friendly design

1. **Child lock:** this prevents small children from operating the air purifier.
2. **Display adjustment:** this adjusts the brightness of the display.\*
3. **Off timer:** this sets the time (1, 2 or 4 hours) after which the unit will turn off.
4. **Pollen mode:** by creating a gentle air turbulence in the room, pollen is caught before it lands on the floor.
5. **Turbo mode:** this provides a high-powered operation when, for example, you come home or when you have unexpected guests.
6. **Humidity on/off switch\*\***
7. **Dust monitor:** the amount of dust detected in the air is indicated by these lamps.
8. **Automatic operation indicator:** illuminates during energy saving automatic operation.
9. **Air-flow-rate indicator**
10. **Odour monitor**
11. **Air inlet for odour sensor**
12. **Humidity monitor\*\***

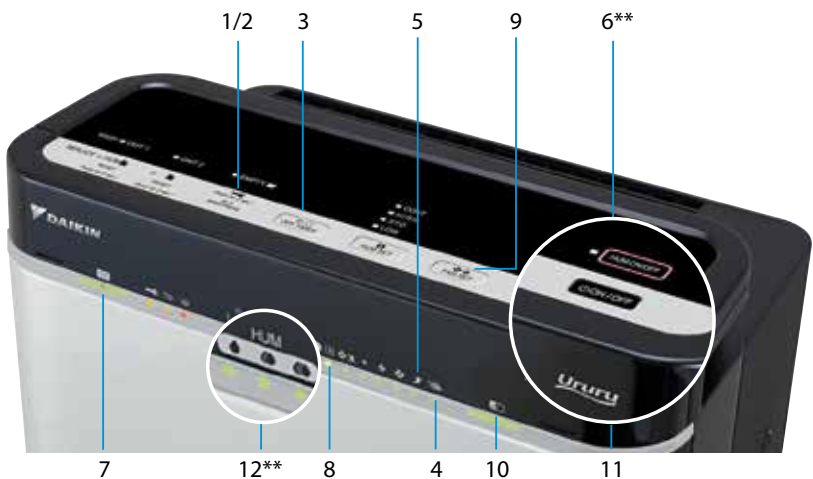
\*MC70L: Function on the remote controller

\*\* only applicable for MCK75J

## Top display and operation panel of the MC70L



## Top display and operation panel of the MCK75J



# Function

## list

### › Titanium apatite deodorizing filter

Bacteria and viruses are thoroughly absorbed by the titanium apatite.

### › Pleated dust collection filter

Very economical, the air purifier comes as standard with five replacement filters. You will not have to buy filters for ten years (one filter can be used for two years).

### › Pollen ion mode

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

### › Off timer

Operation stop-time can be set.

### › Streamer discharge

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

### › Dust and odour sensor lamps

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

### › Sleep mode\*

Operation automatically switches between "quiet" and "low" modes in accordance with how polluted the air is. This is recommended for example when sleeping.

### › Child lock

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

### › Streamer deodorizing catalyst

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

### › Power-saving inverter

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

### › Turbo mode

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

### › Display adjustment

The brightness of the indicator panel lamp can be adjusted.

### › Plasma dust collection

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

### › Energy-saving automatic operation

The air purifier is only run in accordance with the level of pollutants in the air, which is detected by the sensor.

### › Prefilter

This catches large dust particles. Bacteria and allergens are removed by the streamer and filter.

### › Five filters included

Guaranteed operation for ten years.

### › Four fan speeds\*

Fan speed can be adjusted in four steps from Low Low (LL) to High (H) mode.

### **About the dust collection and deodorizing capacity of an air purifier:**

- › Not all harmful substances in cigarette smoke (carbon monoxide, etc.) can be removed.
- › Not all odour components that emanate continuously (from building materials and pets, etc.) can be removed.

**The Daikin air purifier is not a medical device and is not meant to be used as a substitute to any medical or pharmaceutical treatment.**



# Specifications

The stylish design of the MC70L matches any interior design



Indoor unit					
Type					
Applicable room area				m <sup>2</sup>	
Dimensions	Unit	HeightxWidthxDepth		mm	
Weight	Unit				kg
Casing	Colour				
Fan	Type				
	Air flow rate	Air purifying operation	Turbo/High/Medium/Low/Silent	m <sup>3</sup> /h	
		Humidifying operation	Turbo/High/Medium/Low/Silent	m <sup>3</sup> /h	
Sound pressure level	Air purifying operation	Turbo/High/Medium/Low/Silent		dBA	
	Humidifying operation	Turbo/High/Medium/Low/Silent		dBA	
Humidifying operation	Power input	Turbo/H/M/L/Silent		kW	
	Humidification	Turbo/High/Medium/Low/Silent		ml/h	
	Water tank capacity				l
Air purifying operation	Power input	Turbo/H/M/L/Silent		kW	
Deodorizing method					
Bacteria filtering method					
Dust collecting method					
Sign	Item	01			
Power supply	Name/Phase/Frequency/Voltage			Hz/V	

## Certificates & awards

Daikin has already received great praise for its air purifiers:



### TüV Award

the Daikin TÜV Award confirms the efficiency of our units.

On the basis of these test results, Daikin Europe N. V., Oostende (Belgium), was granted permission by TÜV NORD, Hamburg (Germany), to use the TÜV NORD test mark "Indoor Air Hygiene Test – Suitable for Allergic People" for the Daikin air purifiers.



### British Allergy Foundation seal of approval

reassures the product has been scientifically tested to prove it is efficient at reducing/removing allergens from the environment of allergy and asthma sufferers or the products have significantly reduced allergen/chemical content.

# MCK75J, humidification and purification in one



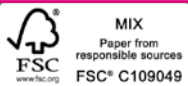
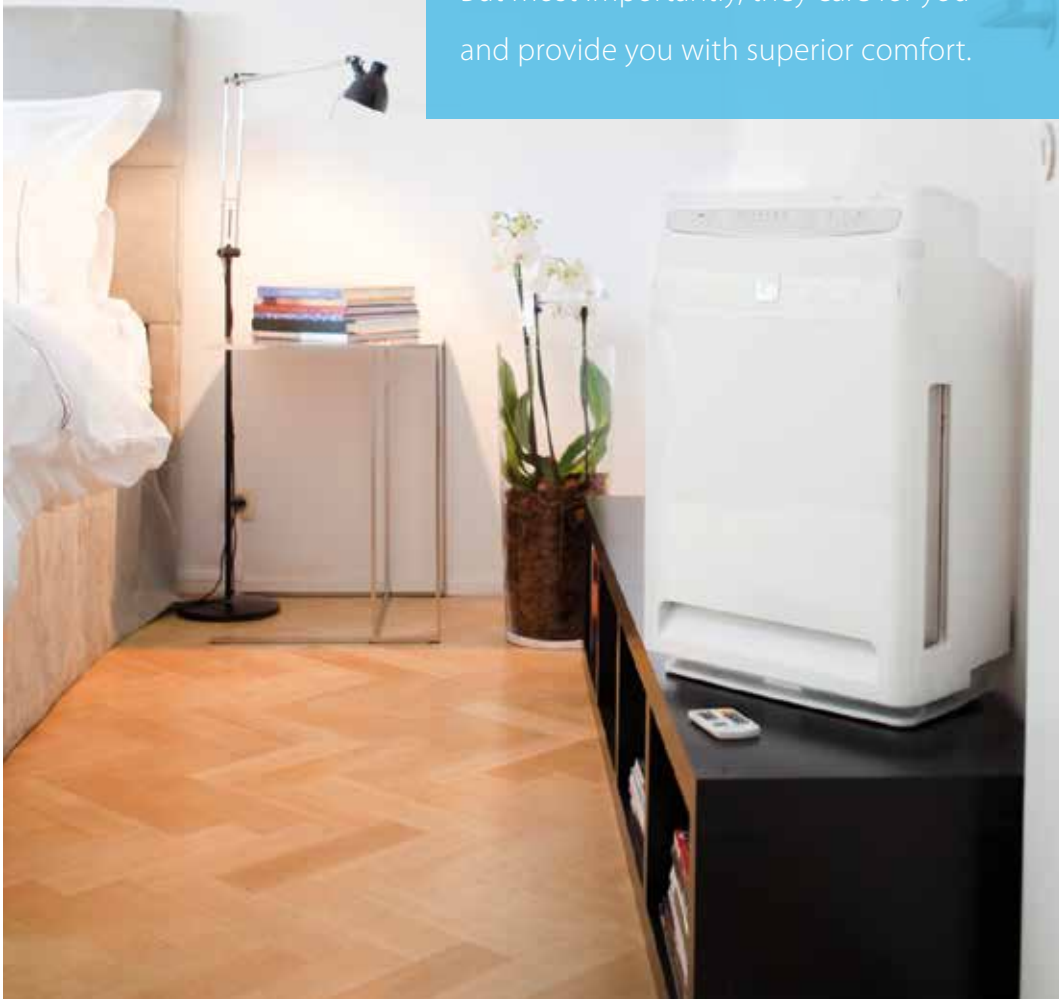
MC70L	MCK75J
Air purifier	Humidifying air purifier
46	46
576x403x241	590x395x268
8.5	11.0
White	Black (N1) (Panel colour: silver)
Multi-blade fan (Sirocco fan with shroud assembly)	
420/285/210/130/55	450/330/240/150/60
	450/330/240/150/120
48.0/39.0/32.0/24.0/16.0	50.0/43.0/36.0/26.0/17.0
	50/43/36/26/23
	0.084/0.037/0.020/0.013/0.012
	600/470/370/290/240
	4.0
0.065/0.026/0.016/0.010/0.007	0.081/0.035/0.018/0.011/0.008
Flash streamer / Titanium apatite deodorizing filter / Deodorizing catalyst	
Flash streamer / Titanium apatite deodorizing filter	-
Plasma ionizer / Electrostatic dust collection filter	
Dust: 3 stages/Odour: 3 stages / Automatic operation (LL-H) / Airflow rate (LL/L/M/H) / Turbo mode (HH)/Anti-pollen mode / Sleep mode/Lock (Anti-tamper)/Off timer (1.2.4h) / Maintenance: Filter replacement /	Dust: 3 stages / Odour: 3 stages / Air flow rate: auto/LL/L/M/H, Turbo mode HH, anti-pollen mode / Off timer: 1/4/8h / Cleaning: ionization / streamer
Maintenance: Cleaning of ionization / streamer	
1~/220-240/220-230	VM/1~/50/60/220-240/220-230

- (1) Sound pressure levels are the average of values measured at 1m away from the front, left, right and top of the unit (this is equal to the value in an anechoic chamber).
- (2) The applicable room area is appropriate when the unit is operating in turbo mode. Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes.
- (3) Humidification amount changes in accordance with indoor and outdoor temperature and humidity. Measurement condition : 20°C temperature, 30% humidity.

For more than 80 years, we have been the leaders in energy-efficient climate control solutions.

Our world-renowned products are easy to use and incorporate the latest technologies with respect to the environment.

But most importantly, they care for you and provide you with superior comfort.



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