

Air Purifiers

Streamer Technology



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Why Daikin?

- 1 **Market Leader**
Daikin is the global No. 1 in air conditioning. We have been delivering effective and innovative climate control for Australian homes for over 50 years.
- 2 **Quality Products**
Based on a tradition of technological and design excellence, our air purifiers reduce the presence of pollutants, allergens and mould to provide clean air and healthier indoor environments.
- 3 **Extensive Service Support**
As part of our commitment to ongoing service and quality, Daikin provides nationwide pre-sales and after-sales support and advice.

The Sensitive Choice For Your Home

Daikin Air Purifiers are approved by the National Asthma Council Australia's Sensitive Choice® program as a better choice for people who suffer from asthma and allergies.



Indoor Air Quality and Health

Did you know that Australians spend around 90% of their time indoors? While we're all very aware of what affects outdoor air quality, we don't often consider what our indoor air quality is like and how it could impact the health of our family.

The air inside any home contains a range of pollutants and allergens that can contribute to poor indoor air quality, leading to potentially serious health problems for occupants.

At Daikin, we're dedicated to delivering products and technologies that not only create a comfortable living environment, but also a healthy environment. Our innovative range of air purifiers is designed to greatly reduce the presence of contaminants in the home so you can rest easy knowing your indoor air quality is at an optimum level.

Common household pollutants

Daikin air purifiers capture, suppress and break down a number of pollutants found in the home.

Substances that can be controlled/broken down

Mould

Pollen

Allergens such as dust mite droppings and remains

Odours

Formaldehyde

Diesel particulate matter

NOx

Dust

Yellow sand

Substances that can be trapped



Market-Leading Streamer Technology

The secret to high performance air purification is Daikin's Streamer Technology which continuously removes harmful substances from the indoor air.

Powerful against viruses and other pollutants

Daikin Air Purifiers with Streamer Technology have been proven to remove more than 99.3% of Coronavirus (HCoV-229E), of the same family as the COVID-19 causing virus SARS-CoV-2, and Influenza A (H1N1), the virus that causes the common flu, in as little as 30 minutes.

The effectiveness of the Daikin Air Purifiers is achieved through a combination of the high performance electrostatic HEPA filter, which traps the virus, followed by an intense exposure to Daikin's patented Streamer technology, which removes the virus.

Streamer Technology Effectiveness

Independently tested & verified to remove;

<p>CORONAVIRUS (HCOV-229E)</p> <p>MORE THAN 99.3%¹ IN 30 MINUTES</p>	<p>INFLUENZA A (H1N1)</p> <p>MORE THAN 99.3%¹ IN 30 MINUTES</p>
<p>ALLERGENS</p> <p>MORE THAN 99.61%² IN 24 HOURS</p>	<p>POLLEN</p> <p>MORE THAN 99.6%² IN 2 HOURS</p>
<p>MOULD</p> <p>MORE THAN 99.9%³ IN 24 HOURS</p>	<p>BACTERIA</p>
<p>FORMALDEHYDE</p>	<p>ODOURS</p>

Streamer emits high-speed electrons.

The electrons collide and combine with nitrogen and oxygen in the air to form four kinds of elements with powerful oxidative decomposition capabilities.

These elements break down unwanted substances.

1. Verified by Swiss multi-national testing and certification company, SGS with the following test condition: Daikin Air Purifier model MC55YPVM operating in a 30m³ chamber in Turbo mode (tested to GB21551.3 standard, test number: SHES220801582571).
 2. Verified at Wakayama Medical University with the following test condition: Irradiated allergens with Streamer & checked decomposition of allergen proteins by either the ELISA method, electrophoresis or electron microscopy (test number: CZ04B024).
 3. Verified at Japan Food Research Laboratories using antibacterial test/mould elimination test (test number: 204041635-001).

The Daikin Air Purifier range

Turn your home into the great indoors. Daikin's Air Purifiers keep your indoor space fresh and healthy all year round.

Feature-packed for cleaner, fresher, healthier air



4 Layers of filtration
Features Prefilter, Deodorising Filter, HEPA Filter and Daikin's signature Streamer Technology.



Triple detection sensor
Dust, PM2.5 particles and odour levels are displayed on the top of unit for easy live monitoring.



Anti-pollen mode
By creating gentle air turbulence from fan speed modulation, pollen is trapped by the air filters before it settles.



Anti-bacterial HEPA filter*
HEPA filter is further coated with an anti-bacterial agent to help deactivate bacteria caught on the surface.



Daikin eye*
Displays indoor air quality score of PM2.5, indoor temperature and humidity sensors.

*Applicable to MCB80ZPVM only



Turbo mode
High power operation for quick removal of pollutants. Ideal for use when there is a sudden increase of occupants in the room.



Auto fan mode
Airflow is optimised to suit contamination levels detected from the sensors for efficient energy usage.



Econo mode
Automatically switches between 'Quiet' & 'Low' operation mode to suit contamination levels. Ideal for sleeping hours.



UVC Technology*
Elevates your indoor air quality to the next level by further sterilising the anti-bacterial HEPA filter.



Built-in Wi-Fi*
Compatible with Daikin's Mobile Controller app.

UVC Twin Streamer Air Purifier MCB80ZPVM

Rooms up to 124m²
Airflow Rate: 480m³/h

Humidifying Streamer Air Purifier MCK55YPVM

Rooms up to 82m²
Airflow Rate: 330m³/h
Humidification: 500mL/h

Streamer Air Purifier MC55YPVM

Rooms up to 82m²
Airflow Rate: 330m³/h

Streamer Air Purifier MC40YPVM

Rooms up to 62m²
Airflow Rate: 240m³/h

Streamer Air Purifier MC30YPVM

Rooms up to 46m²
Airflow Rate: 180m³/h

Notes:
• Room Size is calculated according to NRCC-54013 standard using cigarette smoke CADR tested according to JEM1467.
• Humidification is measured at condition: 20°C in temperature at 30% humidity according to JEM1426.

Product features

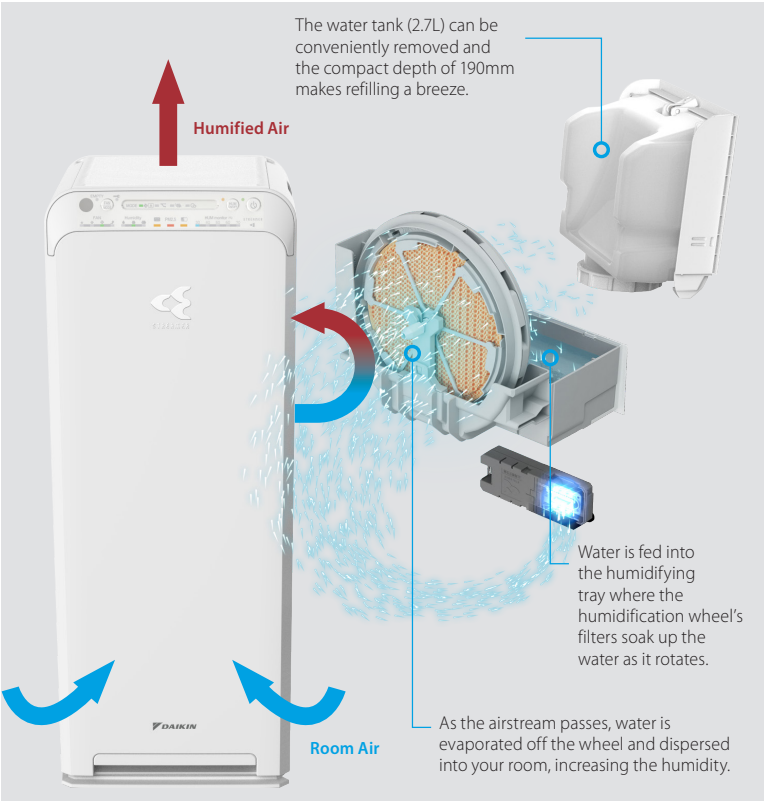
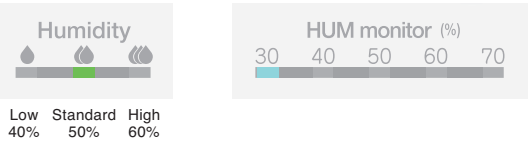
MODEL	MCB80ZPVM	MCK55YPVM	MC55YPVM	MC40YPVM	MC30YPVM
FEATURES					
Humidification		✓			
Twin Streamer Technology	✓				
Streamer Technology		✓	✓	✓	✓
Antibacterial HEPA Filter (Dust Collection Filter)	✓				
HEPA Filter (Dust Collection Filter)		✓	✓	✓	✓
Deodorising filter	✓	✓	✓	✓	✓
Prefilter	✓	✓	✓	✓	✓
Active Plasma Ion Technology		✓	✓		
Room Humidity Monitor	✓	✓			
Streamer Operation Indicator (Regular/Low)	✓	✓	✓	✓	
Daikin Eye IAQ Monitor (Dust/Humidity/Temperature)	✓				
Triple Detection Sensor & Indicator (Dust/PM2.5/Odour)	✓	✓	✓	✓	
Fan Speed Setting & Indicator (Turbo/Standard/Low/Quiet)	✓	✓	✓	✓	✓
Operation Mode Indicator	✓	✓	✓	✓	✓
Fresh Mode					✓
Moist Mode		✓			
Auto Fan Mode	✓	✓	✓	✓	
Econo Mode	✓	✓	✓	✓	
Anti-Pollen Mode	✓	✓	✓	✓	
Circulator Mode	✓				
Built-in Wi-Fi (Mobile Controller APP)	✓				
Wireless Remote Controller		✓	✓		
Easy-Install Caster	✓ ²	✓			
LED Brightness (Bright/Dim/Off)	✓	✓	✓	✓	✓
Sensor Sensitivity Adjustment	✓	✓	✓	✓	
Child Proof Lock	✓	✓	✓		✓
Auto-Restart After Power Failure	✓	✓	✓	✓	✓

¹MC30YPVM features Turbo, Standard & Quiet Fan Speed only
²Optional accessory

Why humidify?

Humidity plays a big role in a home's indoor air quality. Low humidity can lead to very dry air, increasing the chance of the spread of airborne viruses and causing the exacerbation of skin irritations such as eczema. In contrast, high humidity can create an ideal breeding ground for asthma and allergy triggers such as dust mites and mould.

Now, with Daikin MCK55YPVM, you can purify and humidify your home simultaneously. Thanks to its built-in humidifier with live humidity monitoring, Daikin MCK55YPVM provides a live read on the room's humidity level and allows you to set your desired humidity from three target settings.



Leading technology and innovation in every component

TRIPLE DETECTION SENSOR

Highly sensitive triple detection sensors measure the indoor air quality levels of the room.

DC FAN MOTOR

Efficiently controls fan rotational speed for greater power savings and quiet operations as low as 19dBA.

PREFILTER

PET net filter captures larger particulates to ensure unimpeded operation of other system elements.

SIROCCO FAN

Light weight sirocco fan. These fans feature an aerodynamic fan blade design which reduces turbulence for a more efficient and quieter air flow delivery.

HUMIDIFICATION WHEEL

(MCK55YPVM Only)
Absorbs water and through controlled evaporation humidifies your room with 3 settings available (40, 50 & 60% humidity targets).

DEODORISING FILTER

Odours are absorbed by the deodorising catalyst and further decomposed by the Streamer, therefore retaining the deodorising capacity of the filter.

HEPA FILTER

(Dust Collection Filter)
Removes 99.97% of fine particles¹. Particulates are attracted to the electrostatic fibres and trapped, freeing up airflow for increased filter longevity.

STREAMER TECHNOLOGY

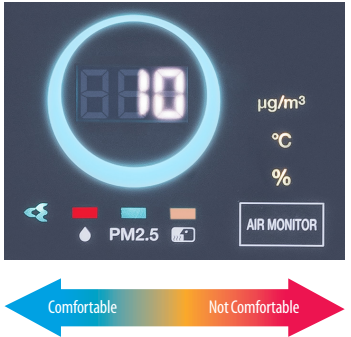
Releases high speed electrons that collide with oxygen and nitrogen molecules, this activates them and enables oxidative decomposition.

For over 90 years, Daikin has invested heavily in Research and Development to deliver market-leading technology and products that are efficient, powerful, reliable and easy to use.

Additional technologies only in our MCB80ZPVM Air Purifier.

DAIKIN EYE

Real-time display of PM2.5, temperature & humidity levels, with numerical scores in $\mu\text{g}/\text{m}^3$, $^{\circ}\text{C}$ or RH% for a comprehensive insight into the quality of your air.



BUILT-IN WI-FI

Easily manage your air purifier from anywhere using Daikin's Mobile Controller app. Schedule operations and monitor indoor air quality effortlessly, ensuring a healthier home environment.

Three innovative technologies working together for the ultimate purification.

1. ANTI-BACTERIAL HEPA FILTER

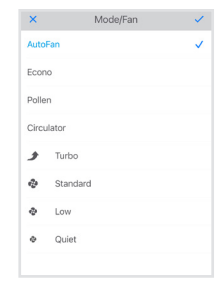
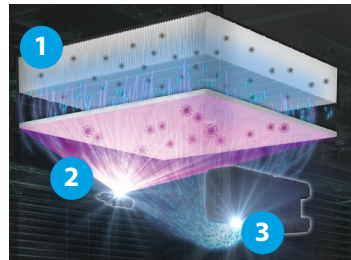
Coarse layer captures larger particles such as dust and bacteria. HEPA layer with antibacterial coating deactivates bacteria and removes 99.97% of 0.3 μm particles.

2. UVC TECHNOLOGY

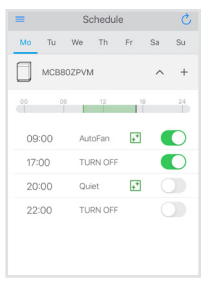
Deep ultraviolet LED focused with 265nm wavelength targets harmful pollutants on the filter's surface.

3. TWIN STREAMER TECHNOLOGY

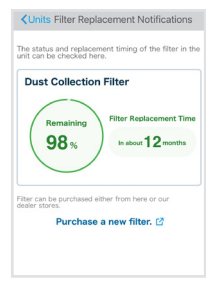
Two Streamer units are utilised for twice the decomposition power.



Operation



Scheduling



Filter Life

The Daikin Mobile Controller app is available for download, free from the Apple App Store or Google Play.



¹ Verified by the test method of The Japan Electrical Manufacturers' Association Standard JEM1467. It is the initial removal performance of the filter. It is different from the removal performance for the entire room.

Specifications

UVC & Humidifying Streamer Air Purifiers



UVC Twin Streamer Air Purifier
MCB80ZPVM



Humidifying Streamer Air Purifier
MCK55YPVM

MODEL		MCB80ZPVM				MCK55YPVM							
Colour		White with Grey Accent				White							
Mode		Air Purification				Air Purification				Humidification			
Applicable Room Size*	m²	124				82				14-23			
Power Supply						1 Phase, 220-240V, 50Hz							
Power Cord Length	m	2.0				1.8							
Fan Mode		TURBO	STD	LOW	QUIET	TURBO	STD	LOW	QUIET	TURBO	STD	LOW	QUIET
Airflow Rate	m³/h	480	210	132	102	330	192	120	54	330	192	144	102
	L/s	133	58	37	28	92	53	33	15	92	53	40	28
Power Consumption	W	86	18	13	11	56	17	10	7	58	19	14	11
Sound Pressure Level	dBA	55	37	28	23	53	39	29	19	53	39	33	25
Humidification^	mL/h	-				-				500	300	240	200
Dimensions (HxWxD)	mm	630x315x315				700(718 with caster)x270x270							
Weight	kg	9.8				9.5 (without water)							
Filtration	Dust (0.3µm)	Antibacterial HEPA Filter				Electrostatic HEPA Filter (Dust Collection Filter)							
	Odour	Deodorising Filter + Twin Streamer				Deodorising Filter + Daikin Streamer Technology							
	Formaldehyde, Bacteria & Viruses	Twin Streamer, UVC & Antibacterial HEPA				Daikin Streamer Technology							
Humidifying Method		-				Evaporation Type Element							
Tank Capacity	L	-				2.7							
Replacement Filters	Dust Collection Filter	BAFA505A				BAFP500A							
	Humidifying Filters	-				KNME080A4E							

*Room Size is calculated according to NRCC-54013 standard using cigarette smoke CADR tested according to JEM1467.
^Humidification is measured at condition: 20°C in temperature at 30% humidity according to JEM1426

Streamer Air Purifiers



Streamer Air Purifier
MC55YPVM



Streamer Air Purifier
MC40YPVM



Streamer Air Purifier
MC30YPVM

MODEL		MC55YPVM				MC40YPVM				MC30YPVM		
Colour		White										
Mode		Air Purification										
Applicable Room Size*	m²	82				62				46		
Power Supply		1 Phase, 220-240V, 50Hz										
Power Cord Length	m	1.8										
Fan Mode		TURBO	STD	LOW	QUIET	TURBO	STD	LOW	QUIET	TURBO	STD	QUIET
Airflow Rate	m³/h	330	192	120	66	240	168	108	66	180	120	60
	L/s	92	53	33	18	67	47	30	18	50	33	17
Power Consumption	W	37	15	10	8	23	13	9	7	25	15	7
Sound Pressure Level	dBA	53	39	29	19	49	36	27	19	37	27	19
Humidification^	mL/h	-	-	-	-	-	-	-	-	-	-	-
Dimensions (HxWxD)	mm	500x270x270								450x270x270		
Weight	kg	6.8										
Filtration	Dust (0.3µm)	Electrostatic HEPA Filter (Dust Collection Filter)										
	Odour	Deodorising Filter + Daikin Streamer Technology										
	Formaldehyde, Bacteria & Viruses	Daikin Streamer Technology										
Humidifying Method		-										
Tank Capacity	L	-										
Replacement Filters	Dust Collection Filter	BAFP500A										
	Humidifying Filters	-										

*Room Size is calculated according to NRCC-54013 standard using cigarette smoke CADR tested according to JEM1467.
^Humidification is measured at condition: 20°C in temperature at 30% humidity according to JEM1426

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ASSUMPTIONS

All representations made in Daikin marketing and promotional material are based on the assumptions that the correct equipment has been selected, appropriately sized and installed in accordance with Daikin's installation instructions and standard industry practices.

QUALITY CERTIFICATIONS

Daikin Industries Limited was the first air conditioning equipment manufacturer in Japan to receive ISO 9001 certification. All Daikin manufacturing facilities have been certified to ISO 9001 Quality Management System requirements. ISO 9001 is a certificate for quality assurance concerning 'design, development, manufacturing, installation and related service' of products manufactured at that factory.

Residential Air Conditioning

Manufacturing Div (ISO 9001)
JQA-0486 May 2, 1994
(Shiga Plant)

Commercial Air Conditioning and Refrigeration

Manufacturing Div (ISO 9001)
JMI0107 December 28, 1992
(Kanaoka Factory and Rinkai Factory at Sakai Plant)

ENVIRONMENTAL CERTIFICATIONS

Daikin Industries Limited has received ISO 14001 Environmental Certification for the Daikin production facilities listed below. ISO 14001 is an international standard specifying requirement for an environmental management system, enabling an organisation to formulate policy and objectives, taking into account legislative requirements and information about significant environmental impacts. It applies to those environmental aspects within the organisation's control and over which it can be expected to have an influence.

The certification relates only to the environmental management system and does not constitute any endorsement of the products shipped from the facility by the International Organisation for Standardisation.

Head Office / Tokyo Office	Certificate number: EC02J0355
Shiga Plant (Japan)	Certificate number: EC99J2044
Sakai Plant (Japan)	Certificate number: JQA-E-80009
Daikin Industries Ltd (Thailand)	Certificate number: JQA-E-90108
Yodogawa Plant (Japan)	Certificate number: EC99J2057
Daikin Australia Pty. Ltd.	Certificate number: CEM20437

Daikin Australia Pty Limited (ISO 9001)
QEC 23256
May 12, 2006
Sydney, Brisbane, Adelaide, Melbourne, Newcastle, Townsville, Perth



Daikin Australia Pty Limited (ISO 45001)
OHS 20939 17
February 2021
Sydney



Daikin Australia Pty Limited (ISO 14001)
CEM 20437
October 27, 2006
Sydney, Brisbane, Adelaide, Melbourne, Perth



Industrial System and Chiller Products Manufacturing Div (ISO 9001)
JQA-0495 May 16, 1994
(Yodogawa Plant and Kanaoka Factory and Kishiwada Factory)

Daikin Europe N.V (ISO 9001)
Lloyd 928589.1 June 2, 1993

Daikin Industries (Thailand) Ltd (ISO 9001)
JQA-1452 September 13, 2002



CONTACT



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For Customer Service or Technical Support, call: 1300 368 300

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more about
Daikin Air Purifiers

