



AIR PURIFIERS

STREAMER TECHNOLOGY

Ideal for indoor spaces such as your Home, Hotel Rooms, Classrooms, Clinics, Pharmacies, Offices and more.





INDOOR ENVIRONMENTAL QUALITY

New Zealand is renowned for its clean and fresh air, so its hard to imagine the air causing negative impacts to our health, however we spend roughly **90% or more** of our time indoors such as at home, schools, workplace etc².

Between pollen, dust mites and our beloved furry friends, there's usually something in the air when it comes to allergies. In fact, New Zealand has some of the worst allergy rates in the world with **between 30-40% of adults suffering from allergies***.

Respiratory conditions like asthma are also affecting an astonishingly high number of New Zealanders - in fact, according to the Allergy and Asthma Foundation, **1 in 6 Kiwis are affected**

by respiratory disease¹, which is the third leading cause of death in NZ.

At Daikin, we're dedicated to delivering products and technologies that not only create a comfortable living environment, but also a healthy environment.

THE SENSITIVE CHOICE FOR YOUR HOME

Daikin Air Purifiers are approved by the Sensitive Choice® New Zealand program as a better choice for people who suffer from asthma and allergies.











*<https://www.healthpoint.co.nz/community-health-services/community-health/allergy-new-zealand-4/>

¹ <https://www.asthmafoundation.org.nz/>

² <https://www.tandfonline.com/doi/full/10.1080/1177083X.2016.1187636>

STREAMER TECHNOLOGY EFFECTIVENESS



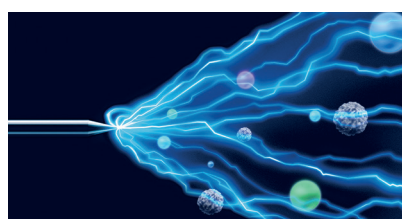
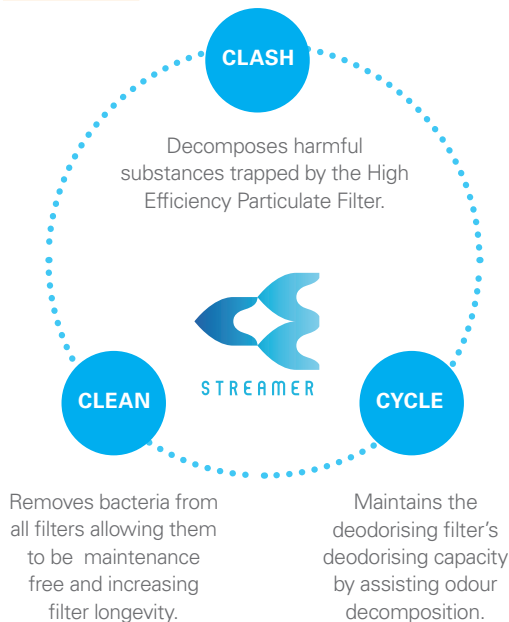
 <p>more than 99.99%¹ in 30 minutes</p> <p>Coronavirus (HCoV-229E)</p>	 <p>more than 99.99%¹ in 30 minutes</p> <p>Influenza A (H1N1)</p>	 <p>more than 99.61%² in 24 hours</p> <p>Allergens</p>	 <p>Odours</p>
 <p>more than 99.9%³ in 24 hours</p> <p>Mould</p>	 <p>more than 99.6%² in 2 hours</p> <p>Pollen</p>	 <p>Formaldehyde</p>	 <p>Bacteria</p>

¹ Verified by Swiss multi-national testing and certification company, SGS with the following test condition: Daikin Air Purifier model MC55YPVM operating in a 10m³ chamber in Turbo mode (test number: SHES220200348271).

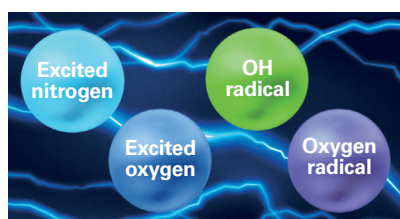
² Verified at Wakayama Medical University with the following test condition: Irradiated allergens with Streamer & checked decomposition of allergen proteins by either the ELISA method, electrophoresis or electron microscopy (test number: CZ04B024).

³ Verified at Japan Food Research Laboratories using antibacterial test/mould elimination test (test number: 204041635-001).

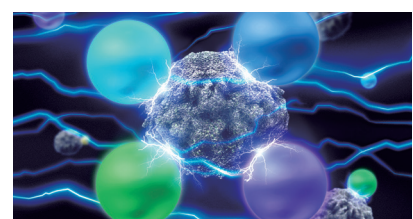
STREAMER TECHNOLOGY - THE THREE C'S



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.

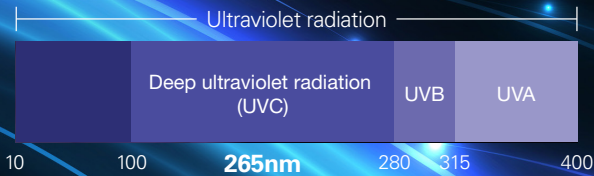
THREE TECHNOLOGIES COMBINE FOR SPEEDY DISINFECTION*

UVC DEEP ULTRAVIOLET LED INDUSTRY FIRST¹

The unit employs the industry's first deep ultraviolet (UVC) LED with a wavelength around 265nm, which is effective in suppressing viruses.

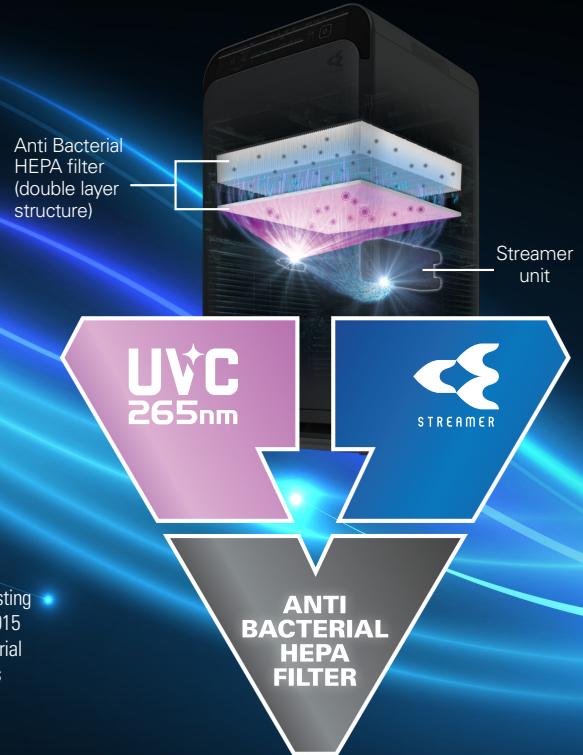
ANTI BACTERIAL HEPA FILTER PLUS ANTI BACTERIAL²

A new filter infused with an anti bacterial agent has been added to the electrostatic HEPA filter that excels in disinfection performance.



STREAMER DAIKIN'S UNIQUE TECHNOLOGY³

Daikin's unique Streamer method excels in oxidative decomposition.



¹ Announced for commercial-use air purifiers with release of ACB50X on March 1, 2021. ² Testing organization: Kaken Test Center. Test number: No.OS-20-052690. Test method: JIS L 1902:2015 Bacterial liquid absorption method Test target: three types of bacteria. Test result: Antibacterial activity value 2.0 or higher. ³ As of February 2023. Streamer discharge technology generates decomposing elements that have oxidative decomposition capability.

INTERNAL STRUCTURE*

DEODORISING FILTER

No need to change

ANTI BACTERIAL HEPA FILTER

Catches fine particles of dust.

Need to change annually[^]

TWIN STREAMER UNIT

High speed electrons are discharged.

No need to change

UVC LED 265NM

Effective in suppressing viruses.

No need to change

PRE-FILTER

No need to change

*Regular cleaning is necessary.

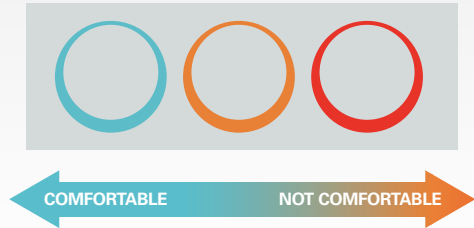
It may become necessary to change out items that usually do not require replacing due to environmental and operational conditions.

[^] More frequent filter changing may be needed depending on actual operating conditions.

*Refers to the MCB80ZPVM series only.

DAIKIN EYE*

Displays the condition of the air selected by air monitor in 3 colours: blue, orange, and red. If PM2.5 ($\mu\text{g}/\text{m}^3$) or humidity (%) is selected, it displays the same colour as the sensor lamp.



AIR MONITOR INDICATOR

Indicates the condition of the air selected by air monitor in a maximum of three digits.



Sensor lamp

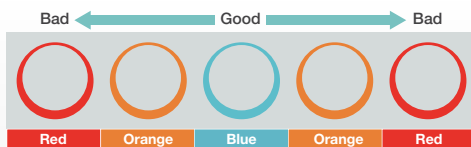
$\mu\text{g}/\text{m}^3$ — PM2.5 concentration

$^{\circ}\text{C}$ — Indoor temperature

% — Indoor humidity



Indicates the level of humidity, PM2.5 (dust), and odour in 3 colours.



PM2.5 concentration ($\mu\text{g}/\text{m}^3$)	Clean	0 - 12	13 - 24	25 -	Dusty		
Indoor temperature ($^{\circ}\text{C}$)	Cold	- 10	11 - 17	18 - 28	29 - 35	36 -	Hot
Indoor humidity (%)	Dry	0 - 20	21 - 29	30 - 60	61 - 70	71 - 100	Damp

WIRELESS LAN CONNECTION (FREE APP)*

Customize your environment with a Wireless LAN connection to your air purifier. With this feature, you can check the indoor air quality using your smartphone even when you're away from home.

Download and access the application via smartphone

For details, such as checking the connection of the smartphone or router, refer to the operation manual.

Visualising your indoor air quality

Allows you to monitor your indoor air quality condition with your smartphone while you are on the move. Visualises the levels of PM2.5, humidity, odour and temperature in 3 distinct colours: blue, orange and red.

Enhance the decomposition power by the UVC

The UVC purification can be controlled to suit the real condition of the room space to effectively suppress viruses.

Hassle-free with the Schedule Timer

Enhance your productivity with the Schedule Timer function by helping you to stay focused during your daily routine. The unit will be turned on and will operate based on the selected Fan / Mode setting.

Discover usage trends by Cumulative Graph Display

Able to monitor the level of Temperature, Humidity, PM1, PM2.5, PM10, ON & OFF status. The cumulative graph indicates the unit operation trend.

Notified and reminded to change the dust collection filter*

Showing filter performance status. It may remind you to change the filter at the most suitable time. By changing the filter on time, it helps to retain the optimum level of your air filtration performance. *Anti Bacterial HEPA filter

Change operation settings at your convenience

Quick and easy setting of the Fan speed and Mode while you are away. Mode: AutoFan, Econo, Pet and Circulator. Fan Speed: Turbo, Standard, Low and Quiet.



*Only applicable to the MCB80ZPVM.



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.



4 LAYERS OF FILTRATION

Features Prefilter, Deodorising Filter, High Efficiency Particulate filter and Daikin's signature Streamer Technology.



WIRELESS CONTROLLER

A wireless remote controller is included with MC55YPVM models for simple, convenient operation at your fingertips.



ANTI POLLEN MODE

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



TRIPLE DETECTION SENSOR

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



UVC DEEP ULTRAVIOLET LED*

The unit employs the industry's first deep ultraviolet (UVC) LED with a wavelength around 265nm, which is effective in suppressing viruses.



DAIKIN EYE*

Displays the condition of the air selected by air monitor in 3 colours: blue, orange, and red. If PM2.5 ($\mu\text{g}/\text{m}^3$) or humidity (%) is selected, it displays the same colour as the sensor lamp.



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



ULTRA QUIET OPERATION

Whisper quiet operation with sound levels as low as 19dBA (in Quiet Mode).



ANTI BACTERIAL HEPA FILTER*

A new filter infused with an anti bacterial agent has been added to the electrostatic HEPA filter (that excels in disinfection performance).



WIRELESS LAN CONNECTION*

Customize your environment with a Wireless LAN connection to your air purifier. With this feature, you can check the indoor air quality using your smartphone even when you're away from home.

*Only applicable to MCB80ZPVM.

UNIQUE DAIKIN TECHNOLOGY

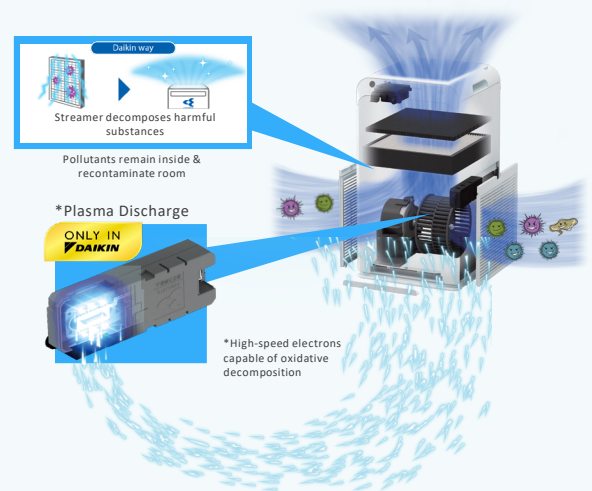
1. STREAMER TECHNOLOGY

Daikin's Patented Streamer Technology is the only one that decomposes bacteria, allergens and particles.

How does this work?

In normal Air Purifiers, the bacteria, allergens and particles are still alive and active on the filter. They can still come out! So how can the bacteria, allergens and particles be decomposed and deactivated?

Daikin Streamer Technology can do it!



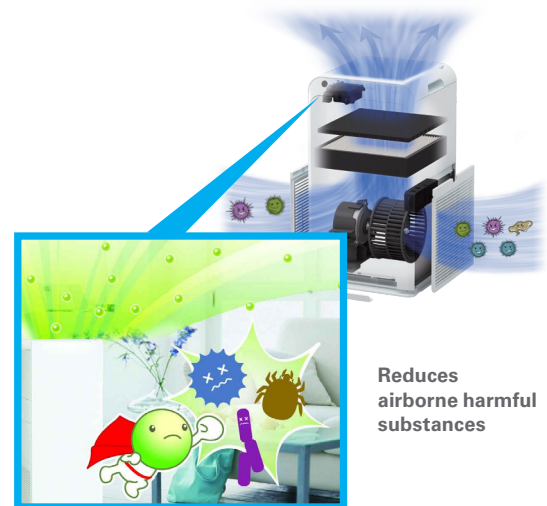
2. ACTIVE PLASMA ION*

Reacts with the air to generate OH Radicals which decay unpleasant protein particles to eliminate germs, fungus, allergens, odours, and bacteria. It also helps moisturise the skin.

How does this work?

Normal Air Purifiers cannot assure you that the air you are breathing does not contain harmful particles because there is stagnant air that does not pass through the HEPA filter.

Daikin Active Plasma ION Technology will spread out to reach every corner of the room to deactivate the allergens and particles.



*Valid for model MC55YPVM only

3. ELECTROSTATIC HEPA FILTER**

Dust collection filter that catches fine particles of dust down to 0.3 microns using electrostatic forces. It is not prone to clogging and can purify a larger amount of air.

How does this work?

Normal HEPA filters can only catch fine particles but Daikin's Electrostatic HEPA filter ensures that even the smallest particle will be captured with electrostatic power.

The Electrostatic HEPA Filter is available in Daikin Air Purifiers!



**Only applicable to the MC30YPVM, MC40YPVM and MC55YPVM.



LEADING TECHNOLOGY AND INNOVATION

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.

Active plasma ion generation unit

MC55 model only

No maintenance or replacement needed

Pre-filter

Catches large particles of dust

No need to change

Deodorising filter

Absorbs odour

No need to change

Electrostatic High Efficiency Particulate Filter (Dust collection filter)

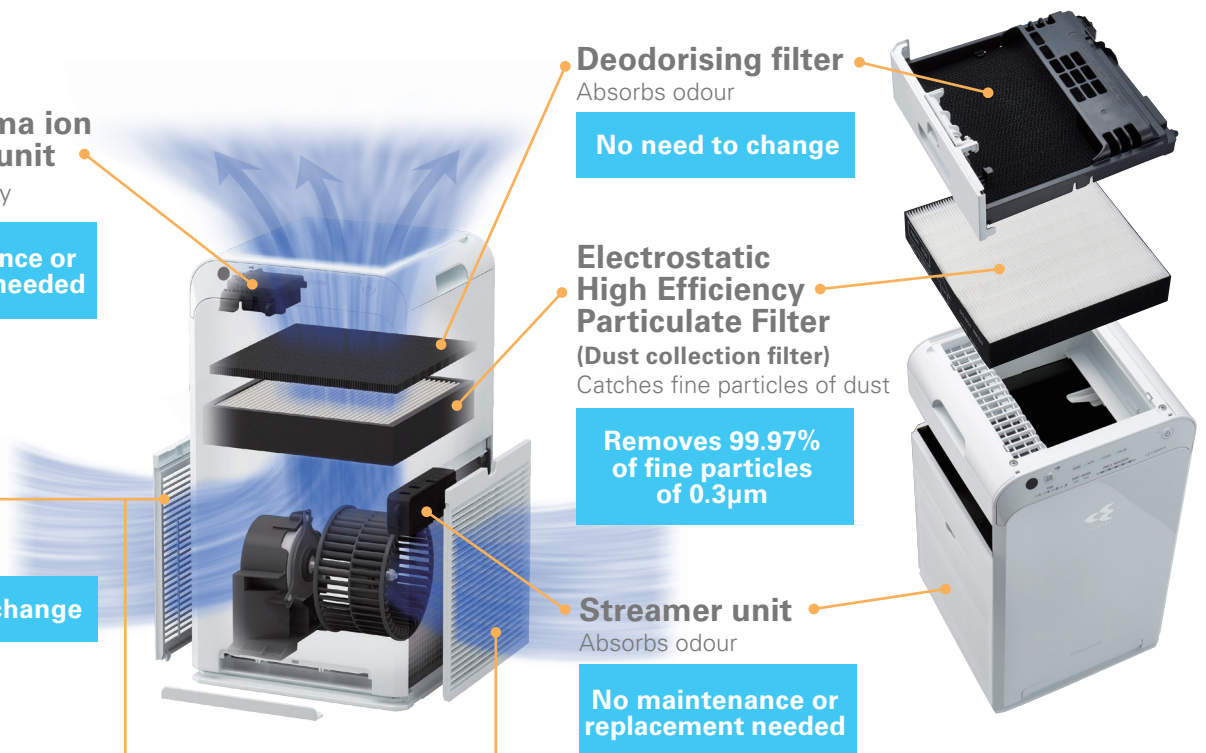
Catches fine particles of dust

Removes 99.97% of fine particles of 0.3µm

Streamer unit

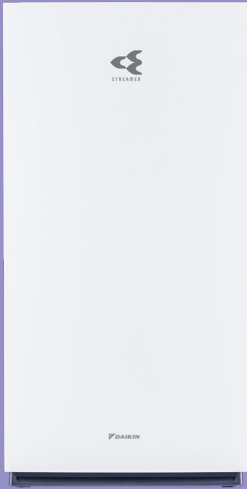
Absorbs odour

No maintenance or replacement needed



Note: Exploded view refers to the MC30YPVM, MC40YPVM and MC55YPVM.

Streamer Air Purifier
MCB80ZPVM



Rooms up to 124m²
Airflow Rate: 480m³/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



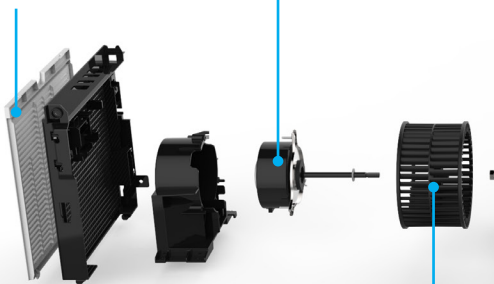
Rooms up to 46m²
Airflow Rate: 180m³/h

DC FAN MOTOR

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

PREFILTER

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



SIROCCO FAN

Lightweight sirocco fan. These fans feature an aerodynamic fan blade design which reduces turbulence for a more efficient and quieter airflow delivery.

TRIPLE DETECTION SENSOR

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

DEODORISING FILTER

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

STREAMER TECHNOLOGY

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

HIGH EFFICIENCY PARTICULATE 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.

¹Verified 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.

Note: Exploded view refers to the MC55YPVM.



SMART INSTALLATION

The most ideal placement for your Daikin Air Purifier is opposite a Daikin Split System air conditioning unit to optimise the circular airflow effect.

The Daikin Split unit controls unevenness in the room temperature while cleaning the air during heating or cooling operation.

To maximise dust collection, it is most effective to place your Daikin Air Purifier on the floor, or as low as possible.



SPECIFICATION & FEATURES



MODEL		MCB80ZPVM				MC55YPVM				MC40YPVM				MC30YPVM			
Colour		White (Front) / Dark Gray (Top/Side)								White							
Mode		Air Purification															
Applicable Room Size*	m ² (30min/60min)	62 / 124				41/82				31/62				23/46			
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	TURBO	STD	QUIET	
Airflow Rate	m ³ /h	480	210	132	84	330	192	120	66	240	168	108	66	180	120	60	
	L/s	133	58	37	23	92	53	33	18	67	47	30	18	50	33	17	
Power Consumption (W)		80	16	11	9	37	15	10	8	23	13	9	7	25	15	8	
Sound Pressure Level (dBA)		55	34	25	19	53	39	29	19	49	36	27	19	37	27	19	
Dimensions (HxWxD) (mm)		630x315x315				500x270x270				450x270x270							
Weight (kg)		9.8				6.8				5.8							
Filtration	Dust (0.3µm)	Anti-Bacterial HEPA Filter				High Efficiency Particulate Filter (Dust Collection Filter)											
	Odour					Deodorising Filter + Daikin Streamer Technology											
	Formaldehyde & Bacteria	Daikin Streamer Technology + UVC LED (265nm)				Daikin Streamer Technology											
Replacement Filters	Dust Collection Filters	BAFA505A				KAFP080B4E				BAFP500A							

*Room Size is calculated according to NRCC-54013 standard using cigarette smoke CADR tested according to JEM1467.

MODEL	MCB80ZPVM	MC55YPVM	MC40YPVM	MC30YPVM
FEATURES				
Streamer Technology	✓	✓	✓	✓
UVC Deep Ultraviolet Radiation	✓	-	-	-
Anti Bacterial HEPA Filter (High Efficiency Particulate Filter)	✓	-	-	-
High Efficiency Particulate Filter (Dust Collection Filter)	-	✓	✓	✓
Deodorising filter	✓	✓	✓	✓
Prefilter	✓	✓	✓	✓
Active Plasma Ion Technology	-	✓	-	-
Streamer Operation Indicator (Regular/Low)	✓	✓	✓	-
Triple Detection Sensor & Indicator (Dust/PM2.5/Odour)	-	✓	✓	-
Fan Speed Setting & Indicator (Quiet/Low/Standard/Turbo)	✓	✓	✓	✓ ¹
Operation Mode Indicator	✓	✓	✓	✓
Fresh Mode	-	-	-	✓
Auto Fan Mode	✓	✓	✓	-
Econo Mode	✓	✓	✓	-
Anti-Pollen Mode	✓	✓	✓	-
Wireless Remote Controller	-	✓	-	-
LED Brightness (Bright/Dim/Off)	✓	✓	✓	✓
Sensor Sensitivity Adjustment	✓	✓	✓	-
Child Proof Lock	✓	✓	-	-
Auto-Restart After Power Failure	✓	✓	✓	✓

*MC30YPVM features Turbo, Standard & Quiet Fan Speed only.

The specifications, designs and information in this brochure are subject to change without notice. Unit colours shown are as close as possible to actual unit colours. Colours depicted in this brochure may vary slightly.

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 Ltd 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.

ENVIRONMENTAL CERTIFICATIONS

Daikin Industries Ltd 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
Shiga Plant (Japan)
Sakai Plant (Japan)
Daikin Industries (Thailand) Ltd
Yodogawa Plant (Japan)
Daikin Australia Pty. Ltd.

Certificate number: EC02J0355
Certificate number: EC99J2044
Certificate number: JOA-E-80009
Certificate number: JOA-E-90108
Certificate number: EC99J2057
Certificate number: CEM20437

**Daikin Air Conditioning
New Zealand Limited
(ISO 9001)**
QMS42380
Auckland



**Residential Air Conditioning
Manufacturing Div (ISO 9001)**
JOA-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)

**Industrial System and Chiller
Products Manufacturing Div
(ISO 9001)**
JOA-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
JOA-1452 September 13, 2002
(ISO 9001)



DAIKIN SPECIALIST

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