DAIKIN

2023
NEW

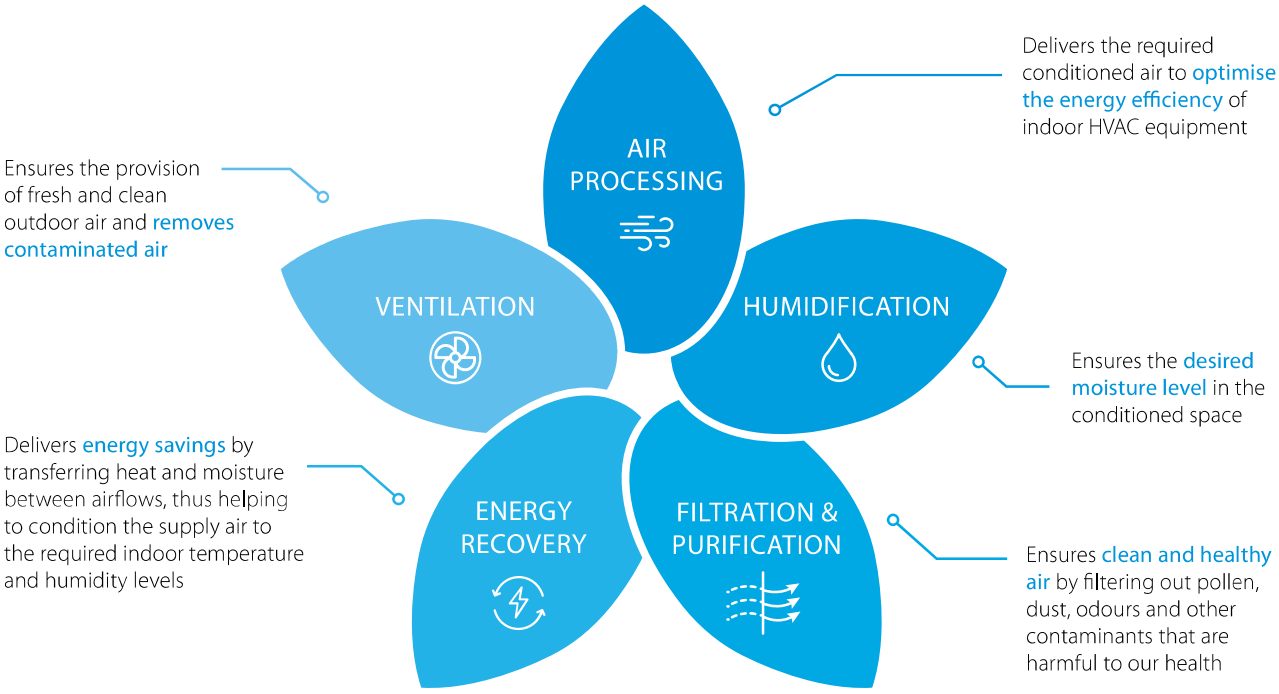
Indoor air quality

for residential and light commercial applications

Why Indoor Air Quality?

- Indoor Air Quality (IAQ) is a measure of the air quality indoors, as breathed in by the building's occupants.
- New residential buildings, schools, offices or light commercial buildings often neglect indoor air quality.
- Because of pollutants, such as pollen, bacteria and others, the indoor air quality can be 2 to 5 times worse than outdoors.
- Since 90% of our lives is spent indoors, it is crucial to invest in good air quality.

5 components for ensuring good Indoor Air Quality



Ventilation

Ventilation systems ensure **optimal climate conditions** by providing a **fresh, healthy and comfortable** environment for buildings of all sizes and applications. When a room is enclosed, air cannot easily enter or leave, allowing airborne pollutants to remain and accumulate within the space. This concentration could have an impact on the health of the room's occupants. **Ventilation is essential for diluting and removing these pollutants.**

A **well-maintained ventilation system** and **adequate air-exchange rate** have been demonstrated to be an effective solution to **protect people** from contaminants, including viruses.

Filtration & air purification

Virus particles can piggyback on larger dust particles or droplets and travel through a building. Infectious diseases can be controlled by interrupting the transmission routes used by a pathogen. Using **high efficiency air filters** in air conditioning and ventilation systems can help to **capture the majority of airborne particles, thus reducing the concentration of bacteria and viruses in the air**, and therefore reducing the risk of airborne transmission.

Indoor air quality for residential and light commercial applications

Pure air because we care

Breathe healthy and humidified air with Daikin Air Purifiers

MCK70Y

STREAMER HUMIDIFY

- Air flow up to **420 m³/h**
- Air purification up to **96 m²**
- **650 ml/h** humidifying capacity
- Absorbs odour via **deodorising** filter
- High Performing Electrostatic **HEPA filter**

MCK55W

STREAMER HUMIDIFY

- Air flow up to **330 m³/h**
- Air purification up to **82 m²**
- **500 ml/h** humidifying capacity
- Absorbs odour via **deodorising** filter
- High Performing Electrostatic **HEPA filter**

MC55W

STREAMER

- Air flow up to **330 m³/h**
- Air purification up to **82 m²**
- Absorbs odour via **deodorising** filter
- High Performing Electrostatic **HEPA filter**

MC30Y

STREAMER

- Air flow up to **180 m³/h**
- Air purification up to **46 m²**
- Absorbs odour via **deodorising** filter
- High Performing Electrostatic **HEPA filter**

What makes Daikin Air Purifiers unique?

No hassle with periodic filter replacements

Daikin's guaranteed full cleaning capacity reduces the risk that the air purifier is not working due to a polluted HEPA filter

No maintenance costs for at least 10 years

No need to change the filters in the first 10 years after unit purchase, avoiding additional costs for regular filter changes.

One of the most silent air purifier range on the European market

Our air purifiers are whisper quiet during **quiet operation** (sound pressure level: 19 dBA), providing you pure air without noticing.

Daikin unique's Catch, Cycle, Clean approach

3 steps to decompose harmful substances

1

Powerful suction

Takes in air over a wide area from 3 directions.

2

Effective capturing of pollutants

Efficiently catches dust and pollutants with an electrostatic HEPA filter.

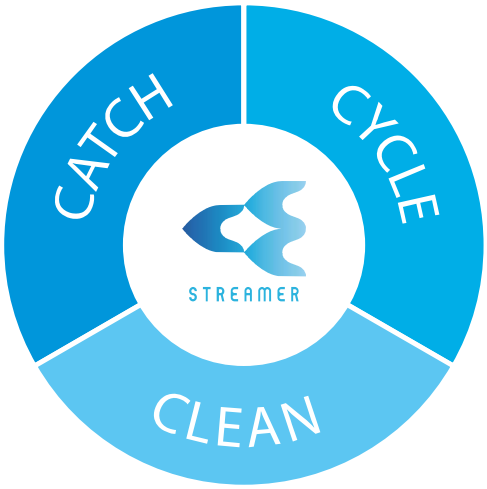
3

Decomposition

Uses Daikin's Streamer technology to decompose, by oxidation, harmful substances caught on the filter.

STREAMER

The Streamer Symbol consists of three C's



CATCH
The dust collection filter catches the floating substances with the attached harmful gases and Streamer decomposes the gases by oxidation.

CYCLE
The deodorising filter absorbs and decomposes odour. Thanks to the regeneration of the adsorbing capacity, the deodorising capacity is maintained.
No need to change the deodorising filter.

CLEAN
Removes bacteria from dust collection filter, humidifying filter and humidifying water tray.

Our Certificates

Efficient against allergens as recognized by BAF (British Allergy Foundation)

The Allergy UK Seal of Approval reassures that the product is efficient at reducing small particulates which may include allergens, bacteria and viruses.

Approved allergy-friendly quality of this product/service is certified by the European Centre for Allergy Research Foundation

An independent advisory panel of 15 leading international scientists and technicians has developed the criteria ECARF used to evaluate different product groups. They include threshold values and exclusion criteria that make an allergic reaction very unlikely. The criteria are regularly updated to reflect the latest scientific findings. A product receives the Seal when it can be proved through audits or studies that the criteria have been fulfilled. The Daikin Air Purifiers passed these tests and can be considered as allergy-friendly.
Not applicable on Air Purifiers with Humidifying function, for MC30YV/YB test are still ongoing.

Proven effectiveness against respiratory viruses (among others human coronavirus HCoV-229E) evaluated by Institut Pasteur de Lille*

99.98%

of **coronavirus** removed in **2.5 minutes***.

According to tests performed in the laboratories of the Institut Pasteur de Lille, Daikin's air purifiers remove more than **99.98%** the human coronavirus HCoV-229E in **2.5 minutes***. This virus is of the same family as SARS-CoV-2, the coronavirus behind the COVID-19 pandemic.

The units have also been evaluated as 99.93% effective against the H1N1 virus in 2.5 minutes*. H1N1 is the virus causing common flu. This means Daikin's air purifiers are an additional measure in the fight against respiratory diseases. Our compact plug-and-play purifiers, whose effectiveness 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 Flash Streamer technology, which removes the virus, can strongly contribute to reducing the risk of respiratory virus transmission.

Our Partnership with Institut Pasteur de Lille

What?

› The Institut Pasteur de Lille is a research foundation, which was founded in 1894. Created to respond to the epidemics of the 19th century, the Institut Pasteur de Lille has been fighting diseases for more than 120 years through research on pathogens, the development of vaccines and drugs and the promotion of preventive measures and good hygiene practices. The Institut Pasteur de Lille is a member of the international network of institutes Pasteur. Present in 25 countries on all continents, the Network brings together 32 institutions united by common missions and values for the benefit of populations. The mission is to put science at the service of health. Today, the Pasteur Institute of Lille has 33 research teams, more than 800 persons, working every day to understand and fight against diseases, to slow down their development and to imagine the treatments of tomorrow.

› The Institut has, for several years, been supporting manufacturers and their research centres in the development of new products and innovations for the evaluation of anti-microbial efficacy. In the actual pandemic context, they have focused in particular on the fight against respiratory viruses. They have evaluated the effectiveness of products and technologies to limit the spread of these viruses. They have tested disinfectants, but also different materials with antiviral properties, for example metal surfaces, glass surfaces, textiles or masks. And still in this concern to control air contamination by respiratory viruses, they have studied devices, such as purifiers, or other air treatment systems that can help reduce the amount of viruses in the air.

What does this mean for our Air Purifiers?

› As a specialist in air quality management, Daikin sees it as its mission to provide innovative solutions and has been selling air purifiers for over 45 years. Its air purifiers and patented air purifying technology, which is applied in other Daikin equipment, have long since proven their effectiveness against air pollution, as well as seasonal pollen and viruses. To reinforce the claim of the effectiveness of its technology, Daikin Europe N.V. entrusted the Institut Pasteur de Lille with the testing of its range of air purifiers. It has now been formally proven that the Daikin models remove more than 99.98% of the human coronavirus HCoV-229E in 2.5 minutes. This is an important achievement.

*Daikin device MCK55WVM (commercial name MCK55W), tested by Institut Pasteur de Lille, removes 99.996 % of Human Coronavirus HCoV-229E in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m^3, no air renewal). Human Coronavirus HCoV-229E is different from the virus responsible for COVID-19, SARS-CoV-2, but belongs to the same family of coronaviruses. | Daikin device MC55WVM (commercial names MC55W/VB), tested by Institut Pasteur de Lille, removes 99.98 % of Human Coronavirus HCoV-229E in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 1.4 m^3, no air renewal). Human Coronavirus HCoV-229E is different from the virus responsible for COVID-19, SARS-CoV-2, but belongs to the same family of coronaviruses. | Daikin device MCK55WVM (commercial name MCK55W), tested by Institut Pasteur de Lille, removes 99.986 % of Influenza A virus subtype H1N1 in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m^3, no air renewal). | Daikin device MC55WVM (commercial names MC55W/VB), tested by Institut Pasteur de Lille, removes 99.93 % of Influenza A virus subtype H1N1 in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m^3, no air renewal)
'Daikin device MCK70YVM (commercial names MCK70YV/YB), tested by Institut Pasteur de Lille, removes 99.98 % of Human Coronavirus HCoV-229E in 1.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 1.3 m3, no air renewal). Human Coronavirus HCoV-229E is different from the virus responsible for COVID-19, SARS-CoV-2, but belongs to the same family of coronaviruses.'
'Daikin device MCK70YVM (commercial names MCK70YV/YB), tested by Institut Pasteur de Lille, removes 99.65 % of Influenza A virus subtype H1N1 in 1.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 1.3 m3, no air renewal).'

Air purifier technologies

Daikin's unique double method

OUTSIDE

Active plasma ion discharge

Plasma ion technology releases ions into the air by plasma discharge and combines them with components in the air to generate active components such as OH radicals with strong oxidising power. They attach to the surface of fungi and allergens and decompose proteins in the air by oxidation.

Mechanism of reduction by active plasma ions

Concentration:
25,000 ions/cm^3

- Daikin's plasma ions have been proved safe, in relation to the effect on skin, eyes and respiratory organs.
- Testing organization: Life Science Laboratories, Ltd.
- Name of test: repeated-dose toxicity test.
- Test number: 12-II A2-0401 Mechanism of reduction by active plasma ions.

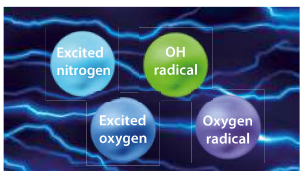
INSIDE

Streamer decomposes hazardous elements

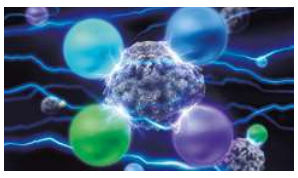
Streamer, a type of plasma discharge, decomposes hazardous chemical substances. The decomposition power is comparable to thermal energy of about 100,000°C.

Mechanism of decomposition by Streamer

Streamer emits high-speed electrons.



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



These elements provide decomposition power.

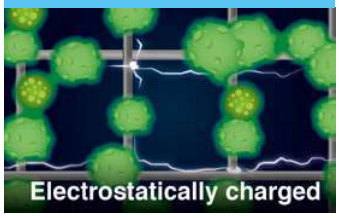
High performance HEPA filter to catch fine particles of dust

Removes 99% of particles between 0.1µm and 2.5µm in size.

STEP 1	STEP 2	RESULT
The filter collects dust efficiently with **electrostatic forces**. It is **not prone to clogging** compared with non-electrostatic HEPA filters which collect particles only by the fineness of the mesh.	Therefore, a larger amount of air can pass through the filter.	The filter can purify a larger amount of air!

Comparison between electrostatic HEPA filter and non-electrostatic filter

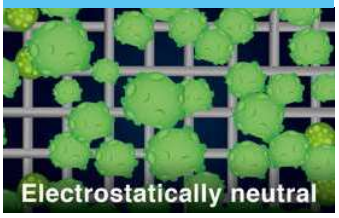
Electrostatic HEPA filter



- Removes 99.97% of fine particles of 0.3µm.
- Filter fiber itself is charged with static electricity, and collects particles efficiently.
- Doesn't clog easily, hence causes low pressure loss.

VERSUS

Non-electrostatic filter



Because it catches particles relying only on mesh size, it is necessary to make mesh finer, making it easy to be clogged and cause high pressure loss.

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.

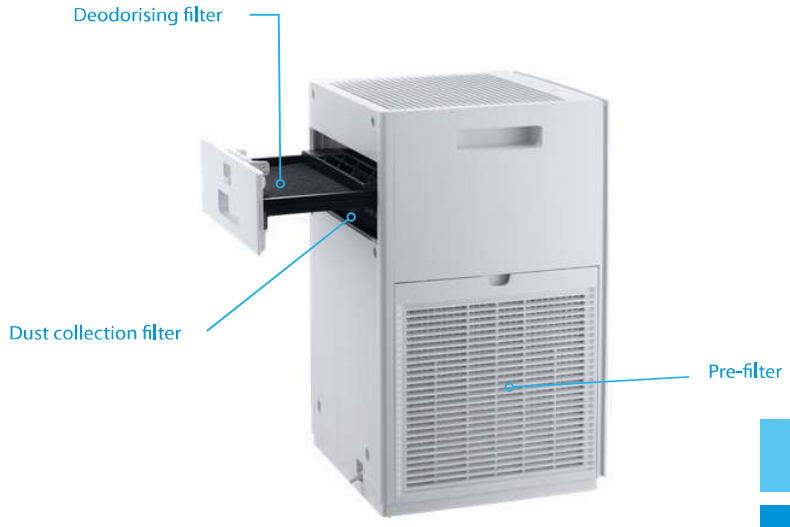
HEPA filtration effect claims:
- Removes 99% of particles between 0.1µm and 2.5µm in size: test method: Japan Electrical Manufacturers' Association Standard JEM1467. Criterion: Remove 99% of fine particulate matters of 0.1 to 2.5µm in a closed space of 32m³ within 90 minutes. (Converted to a value in a test space of 32m³).

Deodorization/gas removal effect claims:
- Reduction of gases by oxidation: testing organization: Life Science Research Laboratory. Test method: After operating a gasoline engine for 10 minutes (when particulate concentration reached 60mg/m³), operated the air purifier for 80 minutes to absorb polluting particles emitted from the engine. Operated this air purifier for 24 hours in a closed space of 200L and measured the effect to decompose gases. Test result: Compared with a test without Streamer irradiation, gas components were reduced by 63% in 9 hours. Test number: LSRL-83023-702. Test unit: Tested with MCK70N (Japanese model).
- Adsorption and decomposition of odours: placed the air purifier and an odour component, acetaldehyde, in a box of 21 m³ and operated the air purifier. Examined increase of concentration of product (CO_2) generated by decomposition of acetaldehyde by Streamer (evaluation by Daikin). Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series.
- Formaldehyde decomposition: test method: constant generation method. Test room: 22 to 24 m³, 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 m³/h, which is within the guideline of the Ministry of Health, Labour and Welfare in Japan. (This equates to the ventilation capacity of an approximately 65 m³ room.)

Substance decomposition effect claims:
- Removal of bacteria from dust collection filter: testing organization: Japan Food Research Laboratories. Test number: 15044988001-0201. Test method: Attached a test piece inoculated with bacteria liquid on the upstream side of a dust collection filter installed in an air purifier, and operated it in a test area of 25 m³. Counted the number of live bacteria after five hours. Test result: Reduced by more than 99% in five hours. Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series (turbo operation).
- Removal of bacteria from humidifying filter: testing organization: Japan Food Research Laboratories. Test number: 15044988001-0101. Test method: Attached a test piece inoculated with bacteria liquid on the upstream side of a humidifying filter installed in an air purifier, and operated it in a test area of 25 m³. Counted the number of live bacteria after five hours. Object part: Humidifying filter. Test result: Reduced by more than 99% in five hours. Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series (turbo operation).
- Allergen decomposition and removal: various 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). Test example: Japanese cedar pollen Cry-1. Test result: 99.6% or more decomposed and removed in 2 hours (ELISA method); 96.9% decomposed and removed in 4 hours (other measurement method). Note: test performed on the flash streamer module.
- Virus removal (ref. 1: testing organization: Kitasato Research Center for Environmental Science. Test result certificate 21_0026 (issued by same organization). Result of experiment: 99.9% removal of A-H1N1 virus after 1 hour. Note: test performed on the flash streamer module.
- Virus removal (ref. 2: testing organization: Vietnamese Institute of Hygiene and Epidemiology. Result of experiment: over 99.9% removal of A-H5N1 virus in 3 hours. Note: test performed on the flash streamer module.
- Virus removal (ref. 3: testing organization: Graduate School of Kobe University. Result of experiment: over 96% removal of Norovirus in 24 hours. Note: test performed on the flash streamer module.

Streamer technology air purifier

Powerful air purification



MC30YV/YB

- Air treatment up to 46m²
- Pure air thanks to **'Catch and Clean'** approach
- No need to change filter for 10 years thanks to high performance electrostatic HEPA filter
- Whisper quiet operation (19 dB(A))

MC30YV/YB*

DUST COLLECTION

DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION

Air purification

Airflow

3.0 m³/min.

180 m³/hour

Applicable room area

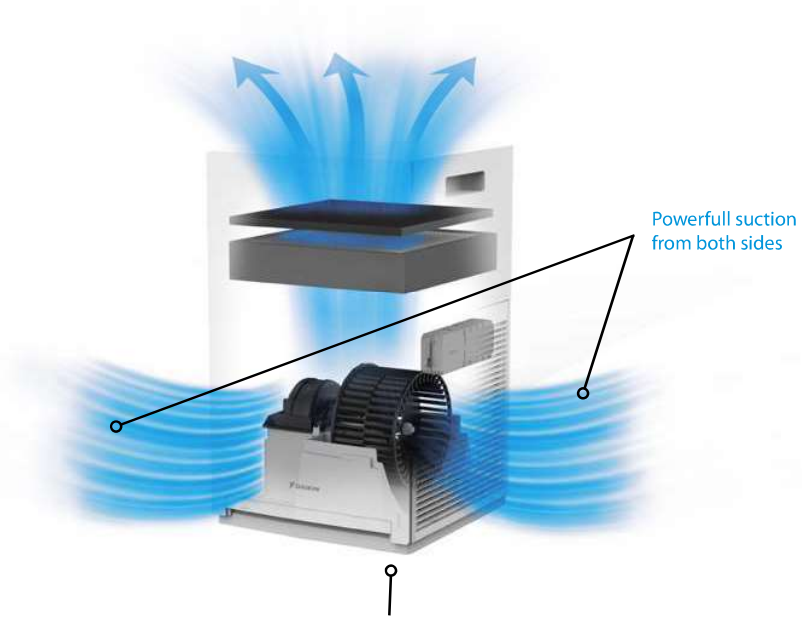
~46 m²**

* UK plug

** Area calculated according to NRCC-54013-2011 standard using CADR value by test method based on Japan Electric Manufacturers' Association Standard JEM 1467.

Tower Type structure

resulting in Cleaner air delivery, lower sound level and effective 3-way air flow



Specifications

More details and final information can be found by scanning or clicking the QR codes.

MC30YV MC30YB

Technical specifications				MC	MC30YV/YB
Application					Floor Standing Type
Applicable room area					23 (1) / 46 (2)
CADR				m^3/h	180
Weight	Unit			kg	5.8
Dimensions				mm	565/350/345
Casing	Colour				White
Fan	Type				Multi Blade Fan (Sirocco fan)
	Air flow rate	Air purifying operation	Silent/Medium/ Turbo	m^3/h	60/120/180
Sound pressure level	Air purifying operation	Silent/Medium/Turbo		dBA	19/27/37
Air purifying operation	Power input	Silent/Medium/Turbo		kW	0.008/0.015/0.025
Deodorizing method					Flash streamer + Deodorizing catalyst
Dust collecting method					Electrostatic HEPA filter
Air filter	Type				Polyethylene terephthalate net
Sign	Item	01			Child proof lock lamp/ ON/OFF lamp Streamer lamp/ Sleep mode
Power supply		Phase Frequency Voltage		Hz Hz V	1~ 50/60 220-240/220-30
Type					Air Purifier

Standard accessories: Electrostatic HEPA filter; Quantity : 1;

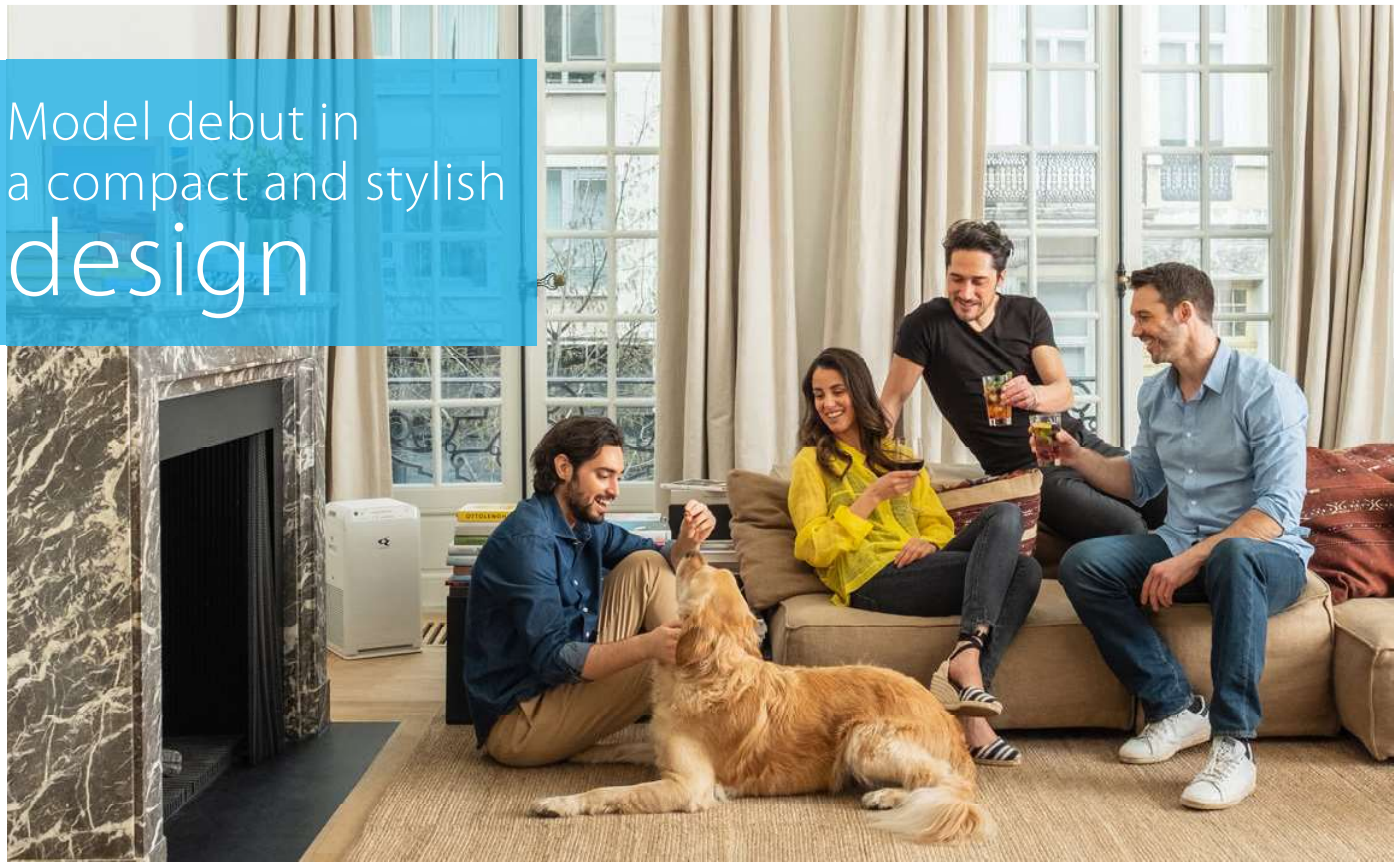
Standard accessories: Deodorising filter; Quantity : 1;

Standard accessories: Operation manual; Quantity : 1;

Note

(1) The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be remover in 30 minutes. (JEM 1467) | (2) The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area was calculated in accordance with NRCC-54013 standard using cigarette smoke CADR that was tested accoring to JEM1467. | Converted to CADR standards from test values in accordance with JEM1467. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter is attached in the unit. | Other function : Auto-restart function.

Model debut in a compact and stylish design



MC55W/VB*

- Effectiveness against respiratory viruses evaluated by Institut Pasteur de Lille
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- High performance HEPA filter with no need to change for 10 years
- Whisper quiet

MC55W/VB*

DUST COLLECTION	DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION

Air purification only

Airflow 5.5 m^3/min. 330 m^3/hour

Applicable room area

~82 m^2**

* UK plug
** Area calculated according to NRCC-54013-2011 standard using CADR value by test method based on Japan Electric Manufacturers' Association Standard JEM 1467.

Compact, effective and quiet

thanks to the new, innovative structure

Triple Detection sensor

to quickly detect air pollution

Equipped with a high sensitivity dust sensor that distinguishes small particles such as $PM_{2.5}$ and larger particles of dust and reacts accordingly. Triple detection of dust, $PM_{2.5}$ and odour is provided.

Functions

Dust ($PM_{2.5}$/dust) and odour sensor lamps	x
Streamer discharge	x
Active plasma ion	x
Electrostatic HEPA filter	x
Streamer regenerated deodorizing filter	x
Econo mode	x
Auto fan mode	x
Anti-pollen mode	x
Turbo mode	x
Child proof lock	x
Brightness adjustment	x
Auto restart after power failure	x
Stabilizer free	x

Allergy-friendly Quality Tested ECARF www.ecarf-siegel.org

Tested by Institut Pasteur de Lille

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Specifications

More details and final information can be found by scanning or clicking the QR codes.

MC55W MC55VB

Single Unit					**MC55W / MC55VB**
Application					Floor standing type
Applicable room area				m^2	41 (1) / 82 (2)
Dimensions	Unit	HeightxWidthxDepth		mm	500x270x270
Weight	Unit			kg	6.8
Casing	Colour				White
Fan	Type				Multi Blade Fan (Sirocco fan)
	Air flow rate	Air purifying operation	Silent/Low/ Medium/Turbo	m^3/h	66/120/192/330
Sound pressure level	Air purifying operation		Silent/Low/ Medium/Turbo	dBA	19/29/39/53
Air purifying operation	Power input		Silent/Low/ Medium/Turbo	kW	0.008/0.010/0.015/0.037
Deodorizing method					Flash streamer + Deodorizing catalyst
Dust collecting method					Electrostatic HEPA filter
Air filter	Type				Polyethylene terephthalate net
Sign	Item	01			Dust Sign: 3 stages / Odour: 3 stages / Anti-pollen mode / Child proof lock lamp / PM2.5 sensor lamp: 6 stages / Airflow rate: Quiet/Low/Standard/Turbo / AUTO FAN mode / Econo mode / ON/OFF lamp / Streamer lamp
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230
Power plug					W: C type/VB: G type (UK)
Type					Air Purifier

The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. ((1) in accordance with JEM (2) in accordance with CADR (JEM) & NRCC-54013-2011 standard) | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter is attached in the unit. | Other function: Active plasmation function. Auto-restart function.

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.

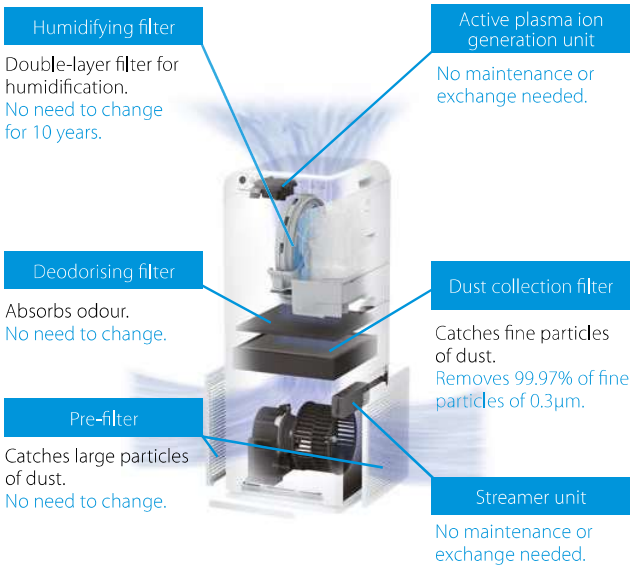
The Daikin air purifier is not a medical device and is not meant to be used as a substitute to any medical or pharmaceutical treatment.

Humidification & air purification in one

MCK55W

- Effectiveness against respiratory viruses evaluated by Institut Pasteur de Lille
- Humidification and purification in one
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- High performance HEPA filter with no need to change for 10 years
- Whisper quiet

Optimal room air distribution thanks to unique vertical structure



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

MCK55W

HUMIDIFICATION | DUST COLLECTION | DEODORISATION

Capacity in turbo operation mode

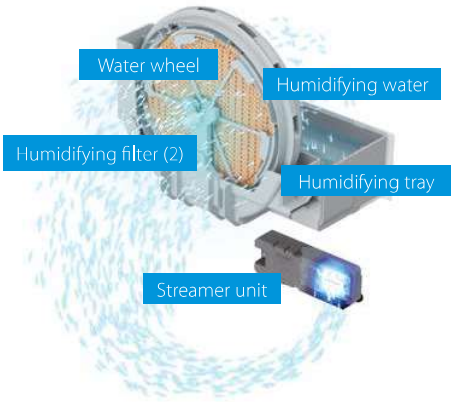
AIR PURIFICATION	HUMIDIFYING CAPACITY
Humidification + Air purification Airflow 5.5 m^3/min. 330 m^3/hour	500 ml/h
Applicable room area ~82 m^{2*}	

* Area calculated according to NRCC-54013-2011 standard using CADR value by test method based on Japan Electric Manufacturers' Association Standard JEM 1467.

Powerful humidification to protect against air dryness and viruses

BENEFITS

- Protects the skin, the throat and the nostrils from dryness.
- Protects against viruses by maintaining appropriate humidity of the room.
- Indicates humidity of the room.
- Eliminates bacteria on the humidifying filter.
- Reduces bacteria in humidifying water by Streamer.



Triple Detection sensor to quickly detect air pollution

Equipped with a high sensitivity dust sensor that distinguishes small particles such as $PM_{2.5}$ and larger particles of dust and reacts accordingly. Triple detection of dust, $PM_{2.5}$ and odour is provided.

STREAMER

Functions

Humidification	x
Temperature and humidity sensors	x
Dust ($PM_{2.5}$/dust) and odour sensor lamps	x
Streamer discharge	x
Active plasma ion	x
Electrostatic HEPA filter	x
Streamer regenerated deodorizing filter	x
Moist mode	x
Econo mode	x
Auto fan mode	x
Anti-pollen mode	x
Turbo mode	x
Child proof lock	x
Brightness adjustment	x
Auto-restart after power failure	x
Stabilizer free	x

Tested by Institut Pasteur de Lille

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More details and final information can be found by scanning or clicking the QR codes.

MCK55W

Specifications

Single Unit					**MCK55W**
Application					Floor standing type
Applicable room area				m^2	41 (1) / 82 (2)
Dimensions	Unit	HeightxWidthxDepth		mm	700x270x270
Weight	Unit			kg	9.5
Casing	Colour				White
Fan	Type				Multi Blade Fan (Sirocco fan)
	Air flow rate	Air purifying operation	Silent/Low/ Medium/Turbo	m^3/h	54/120/192/330
		Humidifying operation	Silent/Low/ Medium/Turbo	m^3/h	102/144/192/330
Sound pressure level	Air purifying operation	Silent/Low/Medium/Turbo		dBA	19.0/29.0/39.0/53.0
	Humidifying operation	Silent/Low/Medium/Turbo		dBA	25.0/33.0/39.0/53.0
Humidifying operation	Power input	Silent/L/M/Turbo		kW	0.011/0.014/0.019/0.058
	Humidification	Silent/Low/Medium/Turbo		ml/h	200/240/300/500
	Water tank capacity			l	2.7
Air purifying operation	Power input	Silent/L/M/Turbo		kW	0.007/0.010/0.017/0.056
Deodorizing method					Flash streamer + Deodorizing catalyst
Dust collecting method					Electrostatic HEPA filter
Air filter	Type				Polyethylene terephthalate net
Sign	Item	01			Dust: 3 stages/Odour: 3 stages/Anti-pollen mode/Water supply lamp/Child proof lock lamp/ON/OFF lamp/Streamer lamp/Econo mode/MOIST mode/AUTO FAN mode/ PM2.5 sensor lamp: 3 stages/Humildity monitor lamp: 5 stages/ Humidity setting: Low/Standard/High/ Airflow rate: Quiet/Low/Standard/Turbo/Humidity on/off
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230
Type					Humidifying air purifier

The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. ((1) in accordance with JEM (2) in accordance with CADR (JEM) & NRCC-54013-2011 standard) | Humidification amount changes in accordance with indoor and outdoor temperature and humidity. Measurement condition: 20°C in temperature, 30% in humidity. | Operating sounds levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter and humidifying filters are attached in the unit.

High-grade type with humidification

NEW Twin streamer unit
High speed electrons are discharged

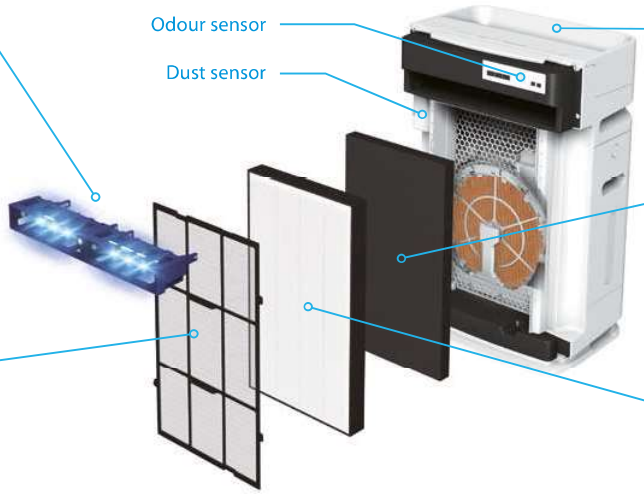
NO NEED TO CHANGE

STREAMER

Pre-filter
Catches dust

NO NEED TO CHANGE

*regular cleaning is necessary



Active plasma ion generation unit
Plasma ions are discharged

NO MAINTENANCE OR EXCHANGE NEEDED

Deodorising filter
Absorbs odour

NO NEED TO CHANGE

HEPA filter
Catches fine particles of dust and pollen

NO NEED TO CHANGE FOR 10 YEARS

MCK70YV/YB*

- Air purification for large spaces such as residential and light commercial applications
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- High performance HEPA filter with no need to change for 10 years
- Whisper quiet

* UK plug
** Area calculated according to NRCC-54013-2011 standard using CADR value by test method based on Japan Electric Manufacturers' Association Standard JEM 1467.
*** Humidifying capacity by JEM1426 (electric humidifier) with turbo operation at temperature of 20°C and humidity of 30%.

MCK70YV/YB*

HUMIDIFICATION | DUST COLLECTION | DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION	HUMIDIFYING CAPACITY
Humidification + Air purification Airflow 7.0 m^3/min. 420 m^3/hour***	650 ml/h**
Applicable room area ~96 m^{2**}	

Twin Streamer

Twice the decomposition power for dust particles & odours

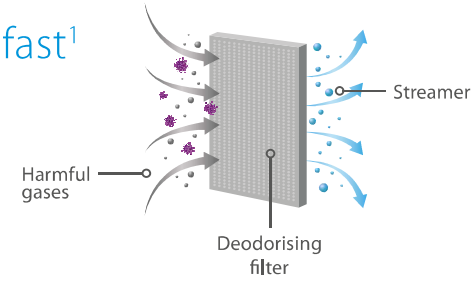
Equipped with twice the Streamer units compared to conventional models, it also features a structural design that irradiates the filter even more effectively.

Decomposition of harmful gases is twice as fast[1]

(In comparison with conventional Daikin products)

Equipped with twice the Streamer units compared to a previous model, it decomposes harmful gases such as exhaust gas at twice the speed.

This is an effect in a test space and not a test result in an actual operation space.



Deodorisation is twice as much[2]

(In comparison with previous Daikin product)

The deodorising filter absorbs odours, and twin streamer quickly decomposes them. Combining the effect of the deodorising filter doubles the amount of deodorisation.

The effect was in a test space of 29.4 m³ after 30 minutes of operation and was not a test result in an actual operation space.

Twin streamer even cleans the inside of the unit

- Removes bacteria on the dust collection filter.[3]
- Speed of bacteria removal is as fast.[4]

(In comparison with a previous Daikin model)

The effect was in a closed test space of approximately 25 m³ after 2.5 hours of operation and was not a test result in an actual operation space.

[1] Placed an air purifier in a 1m3 box with acetaldehyde as an exhaust gas-derived VOC and operated the air purifier (at maximum Streamer output operation). Measured the change in acetaldehyde concentration. (Only the decomposed amount was calculated by subtracting the amount of filter absorption.) (Daikin evaluation) Reduction of acetaldehyde concentration was confirmed to be twice as fast as conventional products. Comparison between 2018 MCK70U(Japanese model), a model equivalent to MCK70V and 2017 MCK70T(Japanese model). | [2] Measured the change in ammonia concentration due to tobacco in a test space of 29.4 m3, and compared decrease from a concentration equivalent to Level 3 on the odour intensity scale. (Daikin evaluation) Test result: Confirmed that indoor ammonia concentration decreased by half after 30 minutes. Comparison between 2018 MCK70U (Japanese model), a model equivalent to MCK70V and 2017 MCK70T (Japanese model).
[3] Testing organization: Japan Food Research Laboratories. Test number: 1711746900-0101. Test method: Attached a test piece inoculated with bacterial liquid on the upstream side of the dust collection filter installed into the air purifier, and operated in a closed test space of 25m3. Counted the number of live bacteria after 2.5 hours. Test object: One bacterium type. Test result: Reduced by more than 99% after 2.5 hours. Test unit: Tested with MCK70U (Japanese model), a model equivalent to MCK70V. | [4] Twin streamer: reduced by more than 99% in 2.5 hours; Streamer: reduced by more than 99% in 5 hours.

Specifications

More details and final information can be found by scanning or clicking the QR codes.

MCK70YV MCK70YB

Indoor Unit					MCK70YV	MCK70YB
Application					Floor standing type	
Applicable room area				m²	48 (1) / 96 (2)	
Dimensions	Unit	HeightxWidthxDepth		mm	600x395x287 (3)	
Weight	Unit			kg	12.5	
Casing	Colour				White (N9. 0)	
Fan	Type				Multi Blade Fan (Sirocco fan with shroud assembly)	
	Air flow rate	Air purifying operation	Silent/Low/Medium/Turbo	m³/h	60/132/210/420	
		Humidifying operation	Silent/Low/Medium/Turbo	m³/h	102/132/210/420	
Sound pressure level	Air purifying operation	Silent/Low/Medium/Turbo		dBA	18/27/37/54	
	Humidifying operation	Silent/Low/Medium/Turbo		dBA	23/27/37/54	
Humidifying operation	Power input	Silent/L/M/Turbo		kW	0.011/0.012/0.018/0.068	
	Humidification	Turbo		ml/h	650	
	Water tank capacity			l	3.6	
Air purifying operation	Power input	Silent/L/M/Turbo		kW	0.008/0.010/0.016/0.066	
Deodorizing method					Flash streamer + Deodorizing catalyst	
Dust collecting method					Electrostatic HEPA filter	
Air filter	Type				Polyethylene terephthalate net	
Sign	Item	01			Dust sensor lamp: 3 stages / PM 2.5 sensor lamp: 3 stages / Odour sensor lamp: 3 stages / Humidity monitor: 20% - 90% / Humidity setting: Low/Standard/High / Airflow rate: Quiet/Low/Standard/Turbo / AUTO FAN mode / Econo mode / Anti-pollen mode / MOIST mode / CIRCULATION mode / Water supply lamp / Streamer lamp / Recommendation mode lamp / Humidifier ON/OFF lamp / Sleep mode / Child proof lock lamp	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230	
Type					Humidifying air purifier	

The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. ((1) in accordance with JEM (2) in accordance with CADR (JEM) & NRCC-54013-2011 standard) (3) With caster: 637 × 395 × 287 | Humidification amount changes in accordance with indoor and outdoor temperature and humidity. Measurement condition: 20°C in temperature, 30% in humidity. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter and humidifying filters are attached in the unit.

COMING SOON

MCK70ZW/BFW & MCK70ZH/BFH

- Intelligent air purification and humidification, controlled directly from your device.
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- High performance electrostatic HEPA filter with no need to change for 10 years
- Intuitive display design with coloured Daikin Eye
- Whisper quiet

PRELIMINARY INFO

MCK70ZW/BFW*

COLOUR: WHITE

HUMIDIFICATION | DUST COLLECTION | DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION	HUMIDIFYING CAPACITY
Humidification + Air purification Airflow 7.0 m³/min. 420 m³/hour	700 ml/h
Applicable room area ~96 m²**	

MCK70ZH/BFH

COLOUR: GREY

HUMIDIFICATION | DUST COLLECTION | DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION	HUMIDIFYING CAPACITY
Humidification + Air purification Airflow 7.0 m³/min. 420 m³/hour	700 ml/h
Applicable room area ~96 m²**	

* UK plug
** Area calculated according to NRCC-54013-2011 standard using CADR value by test method based on Japan Electric Manufacturers' Association Standard JEM 1467

COMING SOON

MC80Z/ZB

- Intelligent air purification, controlled directly from your device.
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- High performance electrostatic HEPA filter with no need to change for 10 years
- Intuitive display design with coloured Daikin Eye
- Whisper quiet

PRELIMINARY INFO

MC80Z/ZB*

COLOUR: WHITE	FRONT, TOP/SIDE: DARK GREY
DUST COLLECTION	DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION

Humidification + Air purification

Airflow

8.0 m^3/min. 480 m^3/hour

Applicable room area

~124 m^{2**}

* UK plug

** Area calculated according to NRCC-54013-2011 standard using CADR value by test method based on Japan Electric Manufacturers' Association Standard JEM 1467