



# Humidifying Air Purifier

## MCK55W

### Humidification and Air Purification in one



#### Powerful humidification to protect against air dryness and viruses

The water wheel lifts the humidifying water from the tank which is then met by the filtered air coming from below. This filtered air containing charged electrons from the Flash Streamer is blown onto the humidifying filter, removing any residual bacteria and viruses. Humid, clean air is discharged into the room.



#### Pure air thanks to air purification technologies

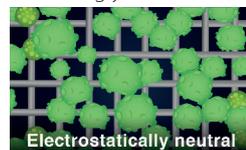
Plasma ion technology releases ions into the air by plasma discharge and combines them with components in the air to generate active components such as OH radicals with strong oxidising power. They attach to the surface of fungi and allergens and decompose proteins in the air by oxidation. On the inside,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

Plasma discharge 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.

The patented Flash Streamer technology in Daikin Air Purifiers has been proven to inactivate airborne bacteria and viruses – including up to 99.98% of the human coronavirus HCoV-229E.\*

#### High performance HEPA filter catches fine particles of dust

The filter collects dust effectively with electrostatic forces (< 99% of 0,3µm). 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 and cleaned accordingly.



#### Low maintenance

Dirty filters, grilles and sensors can be cleaned easily by either vacuuming or using a damp cloth. Dust and humidifying filters may only need to be replaced every 10 years dependent on usage and location.

#### Powerful suction

The air purifier takes in air from the front and side of the unit covering a wide area. Ambient air is cleaned inside the air purifier and discharged at the top covering an area of up to 41m<sup>2</sup>.

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



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ARC483A1



\*Source: Institut Pasteur de Lille test report 2021.

Testing laboratory 'Institut Pasteur de Lille' France, evaluated the effectiveness of Daikin's Air Purifiers against the respiratory viruses:

– HCoV-229E (of the same family as SARS-CoV-2, the coronavirus causing the COVID-19 pandemic)

– Influenza A virus subtype H1N1 (causing seasonal flu)

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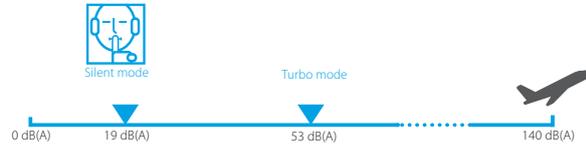
### New stylish and compact design

Daikin's light-weight air purifier has a small footprint, enhanced level indicator for PM2.5, dust and odour control.



### Whisper quiet

The four different fan settings (quiet, low, standard and turbo) mean the air purifier can be used in offices, hallways, living and bed rooms.



Model		MCK55W				
Colour	White					
Mode	Air Purification		Humidification + Air Purification			
Applicable room area	m <sup>2</sup>	41		23		
Power Supply	1 Phase, 230V, 50Hz					
Fan	Type	Multi Blade Fan (Sirocco fan with shroud assembly)				
Mode		Quiet	Low	Standard	Turbo	
Airflow rate	Air purifying operation	m <sup>3</sup> /sec	0.015	0.033	0.053	0.092
	Humidifying operation	m <sup>3</sup> /sec	0.028	0.040	0.053	0.092
Power consumption	Air purifying operation	kW	0.007	0.010	0.017	0.056
	Humidifying operation	kW	0.011	0.014	0.019	0.058
Sound pressure level	Air purifying operation	dB(A)	19	29	39	53
	Humidifying operation	dB(A)	25	33	39	53
Humidification		ml/sec	0.056	0.067	0.083	0.139
	Water tank capacity	l	2.7			
Dimensions	Height x Width x Depth	mm	700 x 270 x 270			
Weight		kg	9.5 (without water)			
Deodorising method			Flash streamer + Deodorising catalyst			
Dust collection filter			Electrostatic HEPA Filter			
Air Filter	Type		PET net			

The applicable room area is appropriate for operating the unit of maximum fan speed (F-H). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. (JEM 1467) 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.)

## Accessories

Accessory	Description
KAFP080B4	Dust collection Filter (1 sheet), needed after about 10 years
KNME080A4	Humidifying Filter (1 sheet), needed after about 10 years

## Functions

Description	
Dust (PM2.5/dust) and odour sensor lamps	✓
Streamer discharge	✓
Active plasma ion	✓
Electrostatic HEPA filters	✓
Streamer regenerated deodorizing filter	✓
Econo mode	✓
Auto fan mode	✓
Anti-pollen mode	✓
Turbo mode	✓
Child proof lock	✓
Brightness adjustment	✓
Auto restart after power failure	✓
Stabilizer free	✓

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