

Ururu streamer
technology air purifier
Air Conditioning
Technical Data
MCK55W



TABLE OF CONTENTS

MCK55W

1	Features	4
	MCK55W	4
2	Specifications	5
3	Capacity tables	7
	Cooling/Heating Capacity Tables	7
4	Dimensional drawings	8
5	Wiring diagrams	9
	Wiring Diagrams - Single Phase	9

1 Features

1 - 1 MCK55W

Powerful air purification

1

- › Effectiveness against respiratory viruses evaluated by Institute 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
- › One of the most silent Air Purifier range on the European market



Humidification Flash Streamer

2 Specifications

2 - 1 MCK55W

Technical specifications					MCK55W
Type					Humidifying air purifier
Application					Floor standing type
CADR					320 (3)
Casing	Colour				White
Dimensions	Unit	Height	mm		700
		Width	mm		270
		Depth	mm		270
	Packed unit	Height	mm		330
		Width	mm		798
		Depth	mm		330
Weight	Unit	kg			9.5
	Packed unit	kg			13.5
Applicable room area	m ²				41 (1) / 82 (2)
Air purifying operation	Power input	Turbo	kW		0.056
		M	kW		0.017
		L	kW		0.010
		Silent	kW		0.007
Humidifying operation	Power input	Turbo	kW		0.058
		M	kW		0.019
		L	kW		0.014
		Silent	kW		0.011
	Humidification (4)	Turbo	ml/h		500
		Medium	ml/h		300
		Low	ml/h		240
		Silent	ml/h		200
Water tank capacity	l			2.7	
Sound pressure level (5)	Air purifying operation	Turbo	dBA		53.0
		Medium	dBA		39.0
		Low	dBA		29.0
		Silent	dBA		19.0
	Humidifying operation	Turbo	dBA		53.0
		Medium	dBA		39.0
		Low	dBA		33.0
		Silent	dBA		25.0
Fan	Type				Multi Blade Fan (Sirocco fan)
	Air flow rate	Air purifying operation	Turbo	m ³ /h	330
Fan	Air flow rate	Air purifying operation	Medium	m ³ /h	192
			Low	m ³ /h	120
			Silent	m ³ /h	54
	Humidifying operation	Humidifying operation	Turbo	m ³ /h	330
			Medium	m ³ /h	192
			Low	m ³ /h	144
			Silent	m ³ /h	102
			Speed	Drive	
Dust collecting method					Electrostatic HEPA filter (7)
Deodorizing method					Flash streamer + Deodorizing catalyst
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 / PM 2.5 sensor lamp: 3 stages / Humidity monitor lamp: 5 stages / Humidity setting: Low/Standard/High / Airflow rate: Quiet/Low/Standard/Turbo / Humidity on/off

Standard accessories: Remote control lid; Quantity: 1;

Standard accessories: Remote control holder; Quantity: 1;

Standard accessories: Electrostatic HEPA filter; Quantity: 1; **(6) (7)**

Standard accessories: Humidifying filter; Quantity: 2; **(6)**

Standard accessories: Deodorising filter; Quantity: 1;

Standard accessories: Operation manual; Quantity: 1;

Standard accessories: Caster; Quantity: 4;

Electrical specifications					MCK55W	
Power cord	m				1.8	
Power supply	Phase				1~	
	Frequency	Hz			50/60	
	Voltage	V			220-240/220-230	
	Plug	Type				C

2 Specifications

2 - 1 MCK55W

2

Electrical specifications				MCK55W
Running current	Air purifying operation	Turbo	A	0.50
		Medium	A	0.19
		Low	A	0.12
		Silent	A	0.09
	Humidifying operation	Turbo	A	0.50
		Medium	A	0.20
		Low	A	0.15
		Silent	A	0.13

(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 removed in 30 minutes. (JEM 1467) |

(2)Converted to NRCC standards from test values in accordance with JEM1467. |

(3)Converted to CADR standards from test values in accordance with JEM1467. |

(4)Humidification amount changes in accordance with indoor and outdoor temperature and humidity. Measurement condition: 20°C in temperature, 30% in humidity. |

(5)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) |

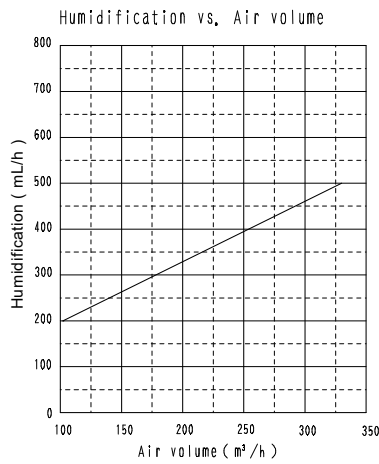
(6)Electrostatic HEPA filter and humidifying filters are attached in the unit. |

(7)Requirements according to JEM1467. |

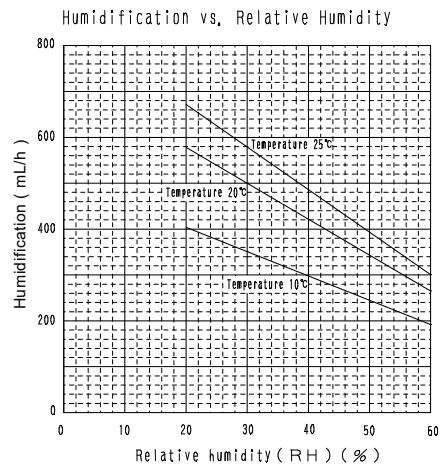
3 Capacity tables

3 - 1 Cooling/Heating Capacity Tables

MCK55W



Operating condition	
Power source	220V-240V/220-230V 50/60Hz
Temperature and Humidity setting	JEM 1426
Temperature	20°C
Humidity	30%
Humidity setting	High



Operating condition	
Power source	220V-240V/220-230V 50/60Hz
Air volume	Turbo
Humidity setting	High

Measurement condition on terms : 20°C in temperature
30% in humidity. (JEM 1426)

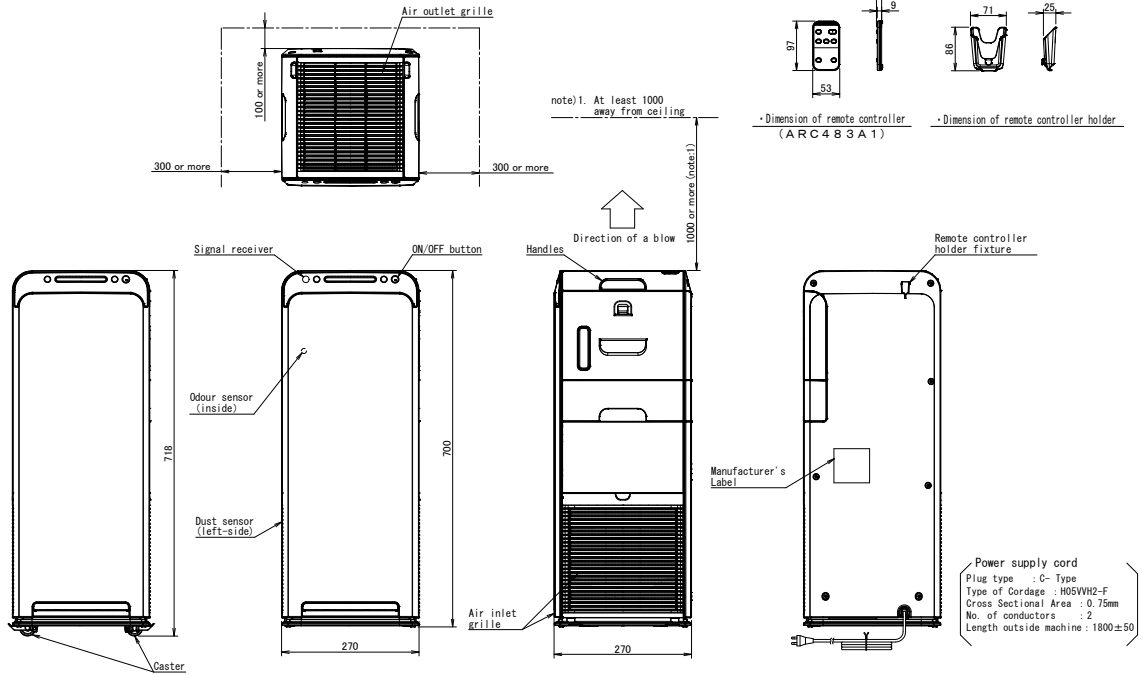
3D106603C

4 Dimensional drawings

4 - 1 Dimensional Drawings

MCK55W

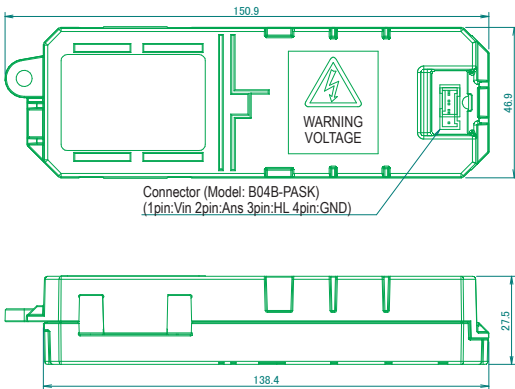
• Required installation space (If installed on the floor)



3D125932

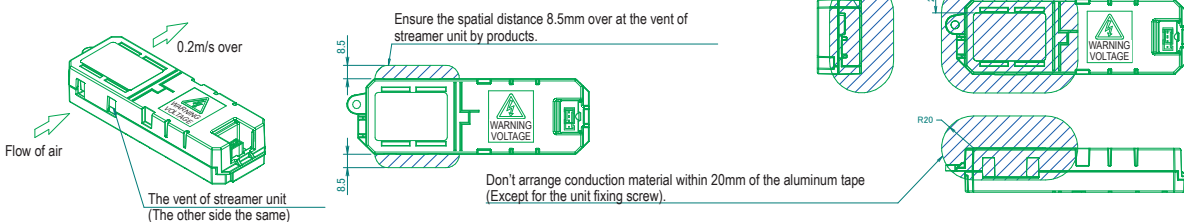
MC55W MC55VB MCK55W

• Outside size



• Method of mounting

Don't blockage the vent of streamer unit.
Ensure the exit wind speed 0.2m/sec of the vent.
Ensure the spatial distance 8.5mm over at the vent of streamer unit.



3D095530G

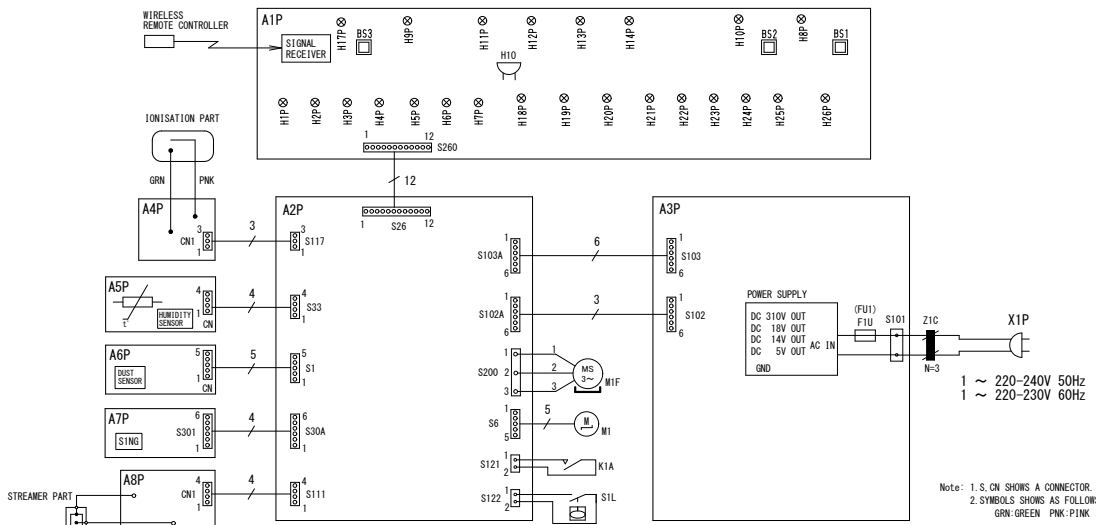
• Main specifications

Items	Contents		
Outside	Outside size	150.9×46.9×27.5mm	
	Weight	100g	
Material of resin	Material	ABS	
	Flame retardance	UL94-5VA	
	Tracking index	Over CTI600V	
Applicable laws	Electrical Appliance and Material Safety Act IEC60335-1(4th), IEC60335-2-65(4th)		
Ambient conditions	Storage temperature	-25~70 (Non-Energization)	
	Operating ambient temperature	-10~60 (Energization)	
	Operating ambient humidity	5~95%RH (No dew deposit)	
Basic specifications	Input voltage	14V±5%	
	Maximum output voltage	6.5±0.5kV	
	Rating output voltage	5.0±0.5kV	
	Rating output current	Hi	55.5µA±10%
		Lo	10µA±10%
	ON/OFF	Inputted voltage into Vin (ON/OFF)	
	Hi ↔ Lo Switching	Inputted 5V into HL (Loe tap)	
	Current monitor	Yes	
	Detectable over current	Yes	
	Detectable low voltage	Under 3kV	
Generation amount of Ozone	4.26ml/hr (Hi 14±2; 50±10%RH)		
Method of mounting	Fixing by the right and left hook		
	Fixing by the screw section		

5 Wiring diagrams

5 - 1 Wiring Diagrams - Single Phase

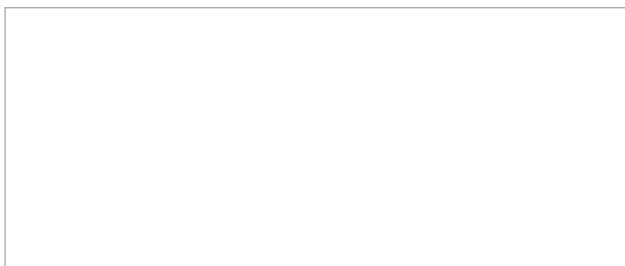
MCK55W



Note: 1. S. ON SHOWS A CONNECTOR.
2. SYMBOLS SHOWS AS FOLLOWS
GRN: GREEN PINK: PINK

H10	BUZZER 1 (RECEIVING SIGN)	BS1	MAIN SWITCH	H8P	LED (ON/OFF: GREEN)	H20P	LED (ODOUR SIGN: RED/GREEN)	M1F	FAN MOTOR
A1P	PRINTED CIRCUIT BOARD (FOR DISPLAY)	BS2	HUMIDIFICATION SWITCH	H9P	LED (CHLD PROOF LOCK: ORANGE)	H21P	LED (HUM MONITOR 30%: BLUE)	M1	STEPPER MOTOR (FOR HUMIDIFYING GEAR)
A2P	PRINTED CIRCUIT BOARD (FOR CONTROL)	BS3	AIRFLOW SWITCH	H10P	LED (HUM ON/OFF: ORANGE)	H22P	LED (HUM MONITOR 40%: BLUE)	K1A	LIMIT SWITCH
A3P	PRINTED CIRCUIT BOARD (FOR POWER SUPPLY)	H1P	LED (QUIET: GREEN)	H11P	LED (AUTO FAN: GREEN)	H23P	LED (HUM MONITOR 50%: BLUE)	S1L	FLOAT SWITCH
A4P	PRINTED CIRCUIT BOARD (HIGH VOLTAGE POWER SUPPLY FOR IONISATION)	H2P	LED (L: GREEN)	H12P	LED (ECONO: GREEN)	H24P	LED (HUM MONITOR 60%: BLUE)	Z1C	FERRITE CORE
A5P	PRINTED CIRCUIT BOARD (FOR HUMIDITY SENSOR)	H3P	LED (S: GREEN)	H13P	LED (ANTI-POLLEN: GREEN)	H25P	LED (HUM MONITOR 70%: BLUE)	X1P	POWER SUPPLY PLUG
A6P	PRINTED CIRCUIT BOARD (FOR DUST SENSOR)	H4P	LED (TURBO: GREEN)	H14P	LED (MOIST: GREEN)	H26P	LED (STREAMER LAMP: BLUE)		
A7P	PRINTED CIRCUIT BOARD (FOR ODOUR SENSOR)	H5P	LED (HUM L: GREEN)	H17P	LED (WATER SUPPLY: RED)	F1U	FUSE (250V, 3.15A)		
A8P	PRINTED CIRCUIT BOARD (FOR HIGH VOLTAGE POWER SUPPLY)	H6P	LED (HUM S: GREEN)	H18P	LED (DUST SIGN: RED/GREEN)				
S1NG	ODOUR SENSOR	H7P	LED (HUM H: GREEN)	H19P	LED (PM2.5 SIGN: RED/GREEN)				

3D106488D



EEEDEN22

03/2022



The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. / Daikin Central Europe HandelsGmbH. Daikin Europe N.V. / Daikin Central Europe HandelsGmbH have compiled the content of this publication to the best of their knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. / Daikin Central Europe HandelsGmbH explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V.