



Streamer technology
air purifier
Air Conditioning
Technical Data
MC55W



MC55WVM

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MC55W

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1 Features

1 - 1 MC55W

Powerful air purification

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- › 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



Flash Streamer

2 Specifications

2 - 1 MC55W

Technical specifications				MC55W	
Type	Air Purifier				
Application	Floor standing type				
Casing	Colour	White			
Dimensions	Unit	Height	mm	500	
		Width	mm	270	
		Depth	mm	270	
	Packed unit	Height	mm	330	
		Width	mm	598	
		Depth	mm	330	
Weight	Unit	kg	6.8		
	Packed unit	kg	10		
Applicable room area				41 (1) / 82 (2)	
CADR				320 (3)	
Air purifying operation	Power input	Turbo	kW	0.037	
		M	kW	0.015	
		L	kW	0.010	
		Silent	kW	0.008	
Sound pressure level (4)	Air purifying operation	Turbo	dB(A)	53	
		Medium	dB(A)	39	
		Low	dB(A)	29	
		Silent	dB(A)	19	
Fan	Type				
	Multi Blade Fan (Sirocco fan)				
	Air flow rate	Air purifying operation	Turbo	m ³ /h	330
			Medium	m ³ /h	192
			Low	m ³ /h	120
Silent			m ³ /h	66	
Fan motor	Speed	Drive			
Dust collecting method				Electrostatic HEPA filter	
Deodorizing method				Flash streamer + Deodorizing catalyst	
Air filter	Type				
				Polyethylene terephthalate net	
Sign	Item	01			
				Dust: 3 stages / Odour: 3 stages / Anti-pollen mode / Child proof lock lamp / PM 2.5 sensor lamp: 6 stages / Econo mode / ON/OFF lamp / Streamer lamp / Airflow rate: Quiet/Low/Standard/Turbo / AUTO FAN mode	
Safety devices	Item	01			
				Safety switch (Operation stops when the Streamer unit cover is open)	

Standard accessories: Remote controller; Quantity: 1;

Standard accessories: Remote control holder; Quantity: 1;

Standard accessories: Electrostatic HEPA filter; Quantity: 1; (5)

Standard accessories: Deodorising filter; Quantity: 1;

Standard accessories: Operation manual; Quantity: 1;

Electrical specifications				MC55W
Power cord				m
				1.8
Power supply	Phase			1~
	Frequency			50/60
	Voltage			220-240/220-230
	Plug	Type		
Running current		Air purifying operation	Turbo	A
	Medium		A	0.14
	Low		A	0.10
	Silent		A	0.08

(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)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) |

(5)Electrostatic HEPA filter is attached in the unit. |

(6)Other function: Active plasmatation function. Auto-restart function.

3 Dimensional drawings

3 - 1 Dimensional Drawings

MC55W

• Required installation space (If installed on the floor)

Labels: Air outlet grille, Signal transmitter, Signal receiver, ON/OFF button, Handles, Remote controller holder fixture, Manufacturer's Label, Air inlet grille, Odour sensor (inside), Dust sensor (left-side), Power supply cord, Plug type : C-Type, Type of cordage : H05VH2-F, Cross sectional area : 0.75mm², No. of conductors : 2, Length outside machine : 1800±50

Dimensions: 100 or more (width), 300 or more (depth), 97 (height), 53 (width), 10 (height), 9 (width), 71 (width), 86 (height), 25 (width), 500 (height), 270 (width), 1000 or more (notes) (height), 270 (width)

note:1. At least 1000 away from ceiling

Direction of a blow

• Dimension of remote controller (ARC48346)

• Dimension of remote controller holder

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**MC55W
MC55VB
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• Outside size

Dimensions: 150.9 (width), 46.9 (height), 27.5 (height), 138.4 (width)

Connector (Model: B04B-PASK)
(1pin:Vin 2pin:Ans 3pin:HL 4pin:GND)

• 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.

Flow of air

0.2m/s over

The vent of streamer unit (The other side the same)

Ensure the spatial distance 8.5mm over at the vent of streamer unit by products.

Don't arrange conduction material within 20mm of the aluminum tape (Except for the unit fixing screw).

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• Main specifications

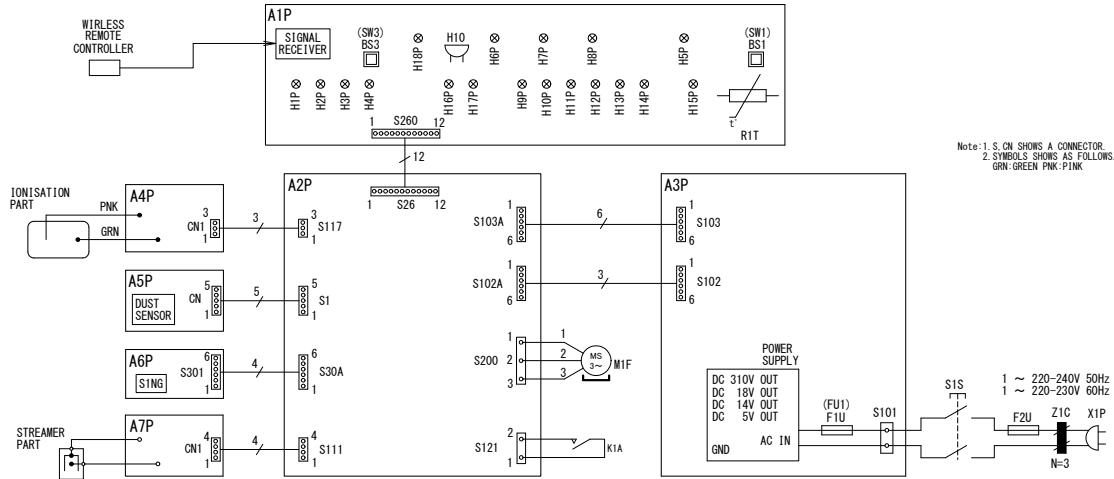
Items	Contents		
Outside	Outside size	150.9×46.9×27.5mm	
	Weight	100g	
Material of resin	Material	ABS	
	Flame retardance	UL94-5VA	
	Tracking index	Over CTI600V	
Applicable laws	Electrical Appliance and Material Safety Act IEC60335-1(4th), IEC60335-2-65(4th)		
Ambient conditions	Storage temperature	-25~70 (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	4.26m/hr (Hi 14±2; 50±10%RH)		
Method of mounting	Fixing by the right and left hook		
	Fixing by the screw section		

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4 Wiring diagrams

4 - 1 Wiring Diagrams - Single Phase

MC55W
MC55VB



H10	Buzzer (RECEIVING SIGN)	BS1	MAIN SWITCH	H9P	LED (PM2.5 INDICATOR 1: WHITE)	F1U	FUSE (250V, 3.15A)
A1P	PRINTED CIRCUIT BOARD (FOR DISPLAY)	BS3	AIRFLOW SWITCH	H10P	LED (PM2.5 INDICATOR 2: WHITE)	F2U	FUSE (250V, 3.15A)
A2P	PRINTED CIRCUIT BOARD (FOR CONTROL)	H1P	LED (QUIET: GREEN)	H11P	LED (PM2.5 INDICATOR 3: WHITE)	MIF	FAN MOTOR
A3P	PRINTED CIRCUIT BOARD (FOR POWER SUPPLY)	H2P	LED (L: GREEN)	H12P	LED (PM2.5 INDICATOR 4: WHITE)	R1T	THERMISTOR
A4P	PRINTED CIRCUIT BOARD (HIGH VOLTAGE POWER SUPPLY FOR IONISATION)	H3P	LED (S: GREEN)	H13P	LED (PM2.5 INDICATOR 5: WHITE)	K1A	LIMIT SWITCH
A5P	PRINTED CIRCUIT BOARD (FOR DUST SENSOR)	H4P	LED (TURBO: GREEN)	H14P	LED (PM2.5 INDICATOR 6: WHITE)	S1S	SAFETY SWITCH
A6P	PRINTED CIRCUIT BOARD (FOR ODOUR SENSOR)	H5P	LED (ON/OFF: GREEN)	H15P	LED (STREAMER LAMP: BLUE)	Z1C	FERRITE CORE
A7P	PRINTED CIRCUIT BOARD (FOR HIGH VOLTAGE POWER SUPPLY)	H6P	LED (AUTO FAN: GREEN)	H16P	LED (DUST SIGN: RED/GREEN)	X1P	POWER SUPPLY PLUG
SING	ODOUR SENSOR	H7P	LED (ECONO: GREEN)	H17P	LED (ODOUR SIGN: RED/GREEN)		
		H8P	LED (ANTI-POLLEN: GREEN)	H18P	LED (CHILD PROOF LOCK: ORANGE)		

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