



Streamer technology
air purifier
Air Conditioning
Technical Data
MC55VB



MC55VBFVM

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MC55VB

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1 Features

1 - 1 MC55VB

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 MC55VB

Technical specifications				MC55VB	
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	m ²				41 (1) / 82 (2)
CADR	m ³ /h				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 with shroud assembly)			
	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	Direct 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 / Airflow rate (LL/L/M/H) / Auto fan mode (LL-H) / Econo mode / ON/OFF lamp / Streamer lamp		
Safety devices	Item	01	Safety switch (Operation stops when the Streamer unit cover is open)		

Standard accessories: Wireless remote control; Quantity: 1;

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

Standard accessories: Operation manual; Quantity: 1;

Electrical specifications				MC55VB	
Power cord	m			1.8	
Power supply	Phase	1~			
	Frequency	Hz	50/60		
	Voltage	V	220-240/220-230		
	Plug	Type	UK plug		
Running current	Air purifying operation	Turbo	A	0.32	
		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. |

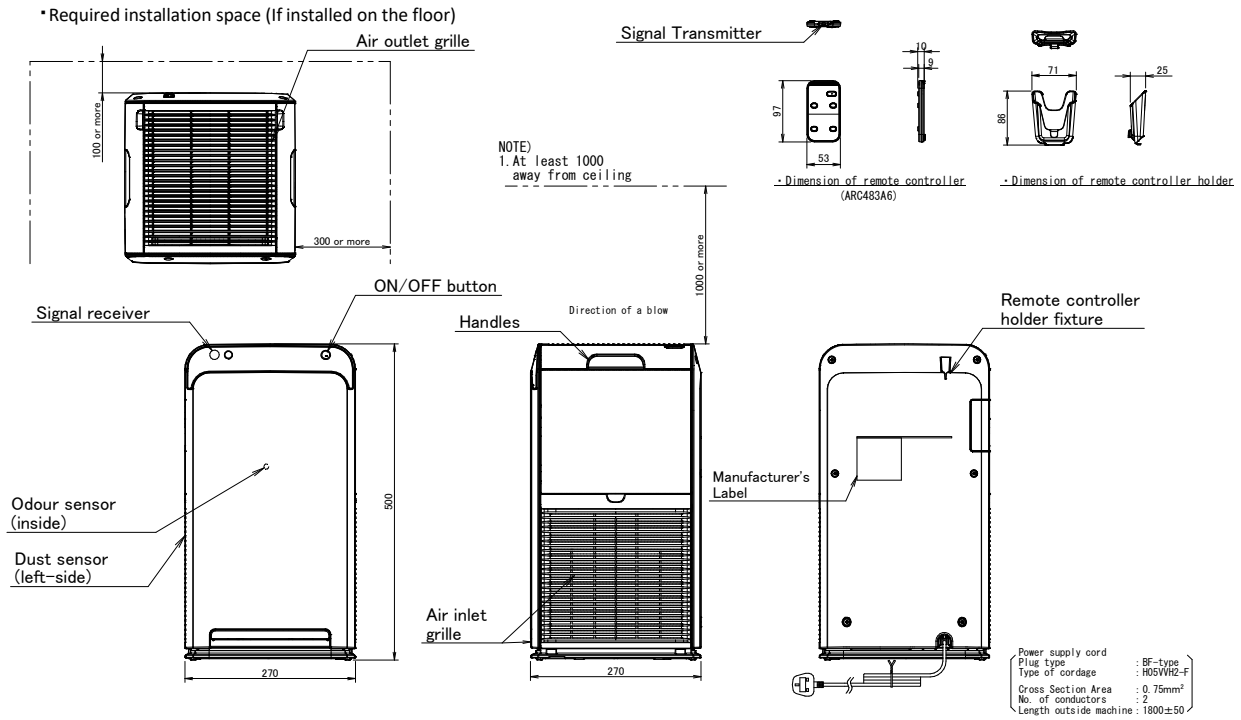
(6)Other function: Active plasmatron function. Auto-restart function.

3 Dimensional drawings

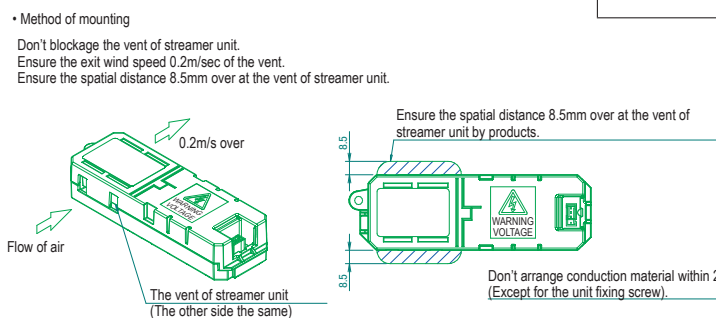
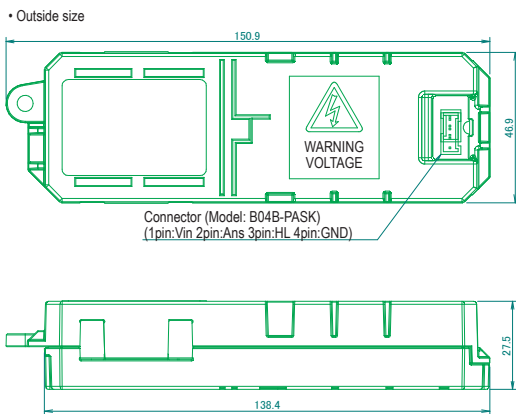
3 - 1 Dimensional Drawings

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MC55VB

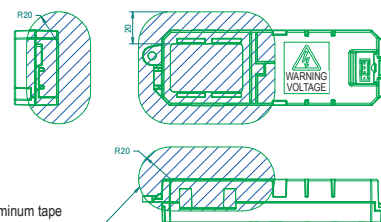


MC55W MC55VB MCK55W



• 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		



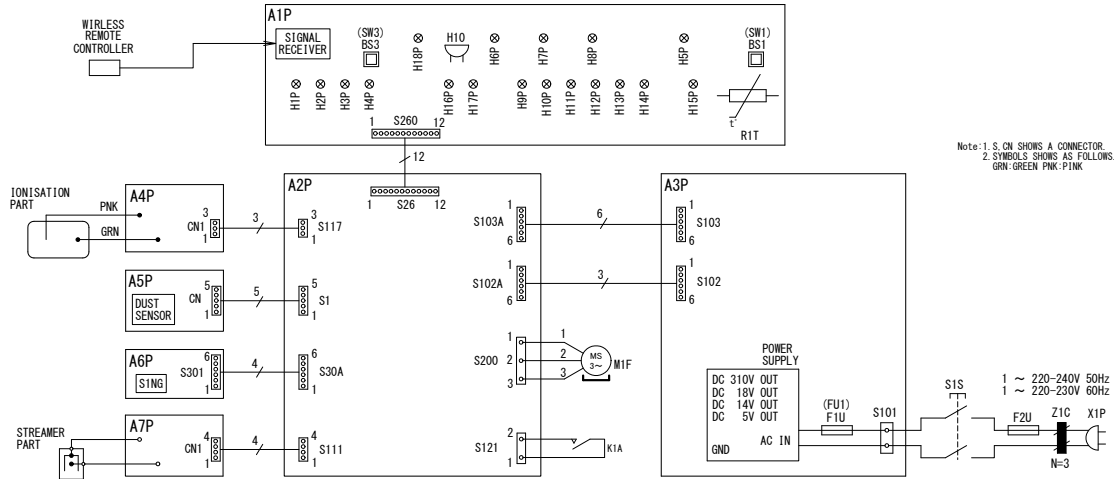
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4 Wiring diagrams

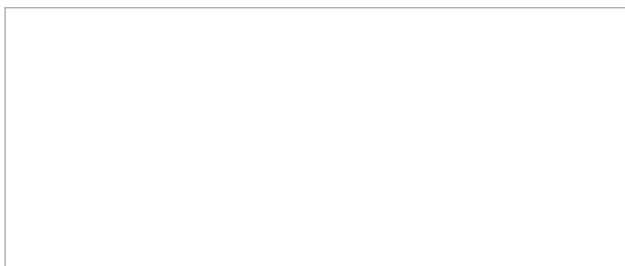
4 - 1 Wiring Diagrams - Single Phase

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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