Streamer technology air purifier Technical Data

MC80Z



MC80ZVM

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1 Features

1 - 1 MC80Z

Powerful air purification

1

- Onecta app: control your indoor from any location with an app, via your local network or internet.
- Air purification for large spaces up to 124m², such as residential and light commercial applications
- Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- Intuitive display design with coloured Daikin Eye, visual way of informing users about indoor air quality
- High performance electrostatic HEPA filter which doesn't clog easily, hence causes low pressure loss
- No need to change the filter for ten years, resulting in low maintenance costs
- One of the most silent Air Purifier range on the European market



Flash Streamer

Onecta via app

2 Specifications

2 - 1 Specifications

Technical specifications					MC80Z
Type					Air Purifier
Application					Floor standing type
Casing	Colour				Front: White, Top/Side: Dark Grey
Dimensions	Unit	Height		mm	630
		Width		mm	315
		Depth		mm	315
	Packed unit	Height		mm	390
		Width		mm	762
		Depth		mm	382
Weight	Unit			kg	9.8
	Packed unit			kg	14
Applicable room area				m^2	62 (1) / 124 (2)
CADR				m^3/h	480 (3)
Air purifying operation	Power input	Turbo		kW	0.080
		M		kW	0.016
		L		kW	0.011
		Silent		kW	0.009
Sound pressure level (4)	Air purifying operation	Turbo		dBA	55
		Medium		dBA	34
		Low		dBA	25
		Silent		dBA	19
Fan	Type				Multi Blade Fan (Sirocco fan)
	Air flow rate	Air purifying operation	Turbo	m^3/h	480
			Medium	m^3/h	210
			Low	m^3/h	132
			Silent	m^3/h	84
Fan motor	Speed	Drive			Direct drive
Dust collecting method					Electrostatic HEPA filter (7)
Deodorizing method					Twin streamer + Deodorizing catalyst
Air filter	Type				Polyethylene terephthalate net
Sign	Item	01			PM 2. 5 sensor lamp: 3 stages / Odour sensor lamp: 3 stages / / AIR MONITOR indicator: 0µg/m3 - 99µg/m3 (8)/ 0°C-39°C,20% - 90% / FAN lamps: Quiet/Low/Standard/Turbo / Econo mode / Anti-pollen mode / CIRCULATION mode / Child proof lock lamp / AIR MONITOR setting lamps / Streamer lamp / Daikin eye / AUTO FAN mode / Humildity monitor lamp: 5 stages / WIFI lamp

Standard accessories: Electrostatic HEPA filter;Quantity: 1; (5) (7)

Standard accessories: Deodorising filter;Quantity: 1;

Standard accessories: Operation manual;Quantity: 1;

Electrical specifications				MC80Z
Power cord			m	2
Power supply	Phase			1~
	Frequency		Hz	50/60
	Voltage		V	220-240/220-230
	Plug	Type		C

(1)The coverage area is appropriate for operating the unit of maximum fan speed(HH). Coverage area indicates the space where a certain amount of dust particles can be removed in 30 minutes. |
(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 plasma ion function. Auto-restart function. |
(7)Requirements according to JEM1467. |
(8)"HI" is displayed when the PM2.5 concentration exceeds 99µg/m3.

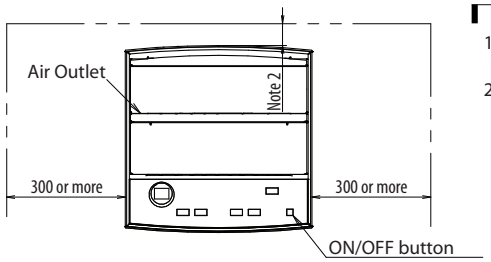
3 Dimensional drawings

3 - 1 Dimensional Drawings

3

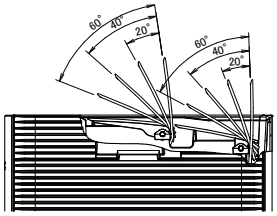
MC80ZVM

- Space required for installation (when placed on the floor)

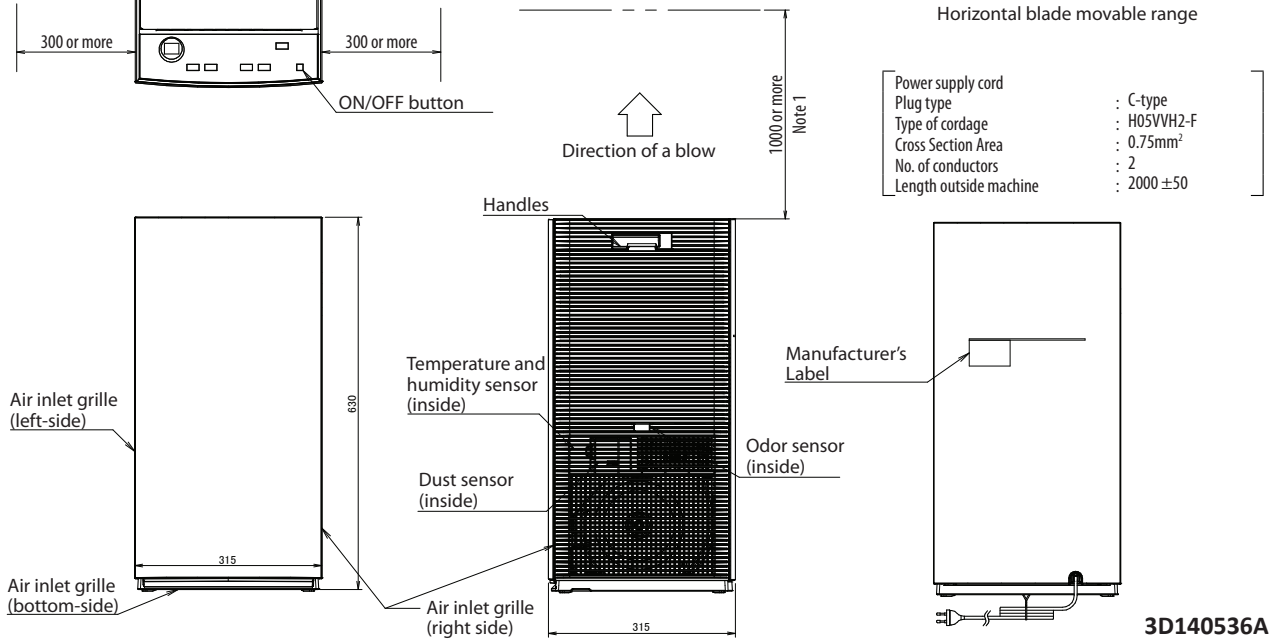


NOTES

1. Please secure 1000 or more from the height of the main body.
2. Keep a distance from the wall so that the power cable does not bend focibly.



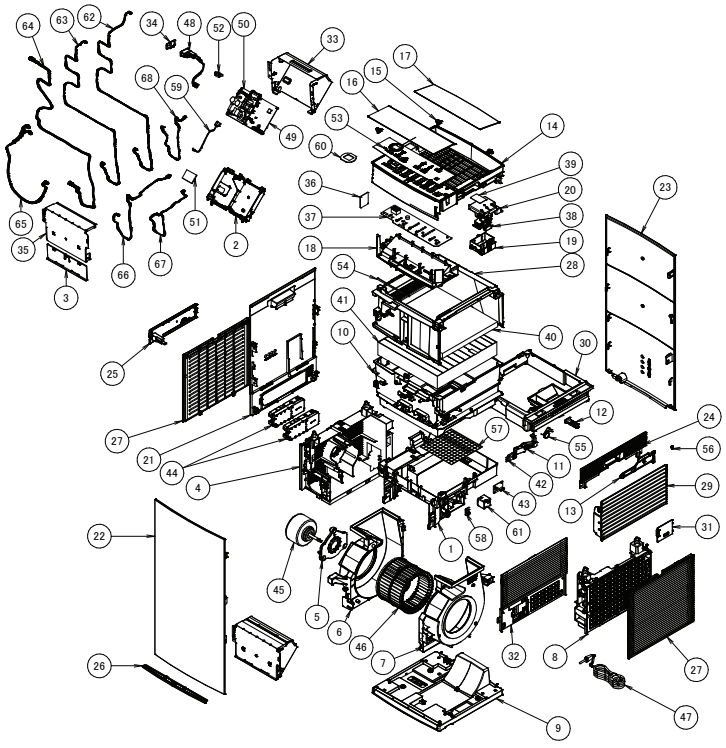
Horizontal blade movable range



Power supply cord		
Plug type	:	C-type
Type of cordage	:	H05VVH2-F
Cross Section Area	:	0.75mm²
No. of conductors	:	2
Length outside machine	:	2000 ±50

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MC80ZVM



No	Description
1	Casing frame (el. compo.) (1/2)
2	El. compo mounting plate
3	Protection plate (el. compo.)
4	Suction grille (left)
5	Motor mounting plate
6	Fan scroll (left)
7	Fan scroll (right)
8	Suction grille (right)
9	Bottom panel (resin)
10	Casing frame (air filter) (1/2)
11	Lever (filter detector)
12	Switch (resin case)
13	Switch (cover)
14	Operation sign cover
15	Shaft hori_blade
16	Disch. grille hor. blade (front)
17	Disch. grille hor. blade (back)
18	Partition panel (resin)
19	Resin case ioniser
20	Cover
21	Left side panel (resin)
22	Front panel (resin)
23	Rear panel (resin)
24	Right side panel (resin) upper
25	Cover (streamer)
26	Air filter (front)
27	Air filter
28	Casing frame (filter outlet)
29	Cover (filter outlet)
30	Resin case (specialized filter)
31	Cover (dust sensor)
32	Right side panel (resin)
33	El. compo. box bottom
34	El. compo. box (left)

No	Description
35	El. compo. box cover
36	WIFI module
37	Operation PCB
38	Ioniser PCB
39	Aluminium tape
40	Deodorising filter
41	Electrostatic HEPA filter
42	Switch filter
43	Odour sensor
44	Streamer
45	DC fan motor
46	Sirocco fan rotor
47	Power cable
48	Safety switch
49	Control PCB
50	Power PCB
51	Insulation sheet
52	Wire clip
53	Indication label
54	Sealing material partition
55	Wire spring (case detector)
56	Coil spring
57	Air outlet protection net
58	Humidity sensor
59	Ground wire harness
60	Daikin eye
61	Dust sensor
62	Wire harness (for ION)
63	Wire harness (control/WIFI)
64	Wire harness (for display)
65	Wire harness (for streamer+UVC)
66	Wire harness (for sensor)
67	Wire harness (for dust sensor)
68	Wire harness

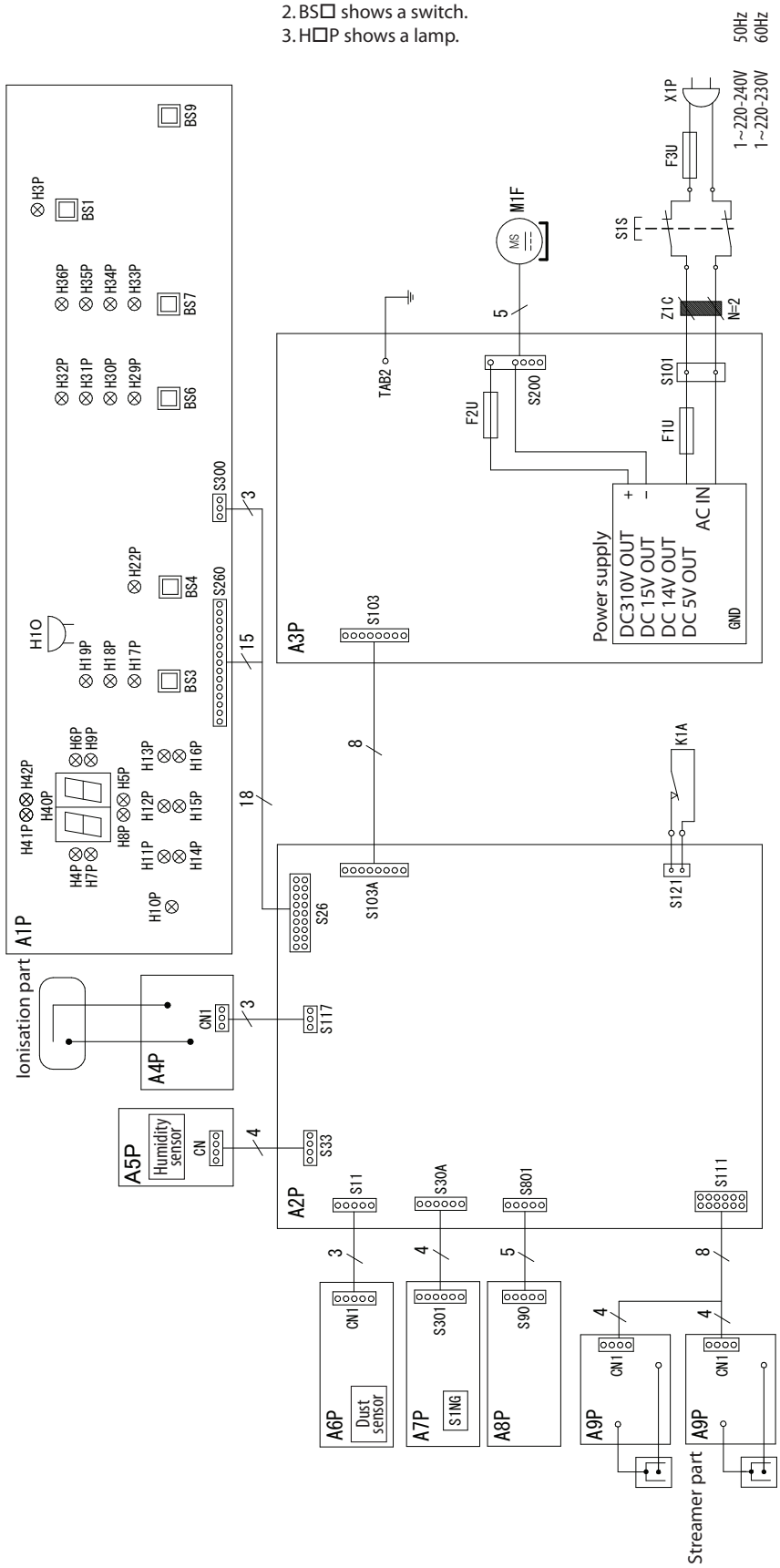
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4 Wiring diagrams

4 - 1 Power supply and input selector

MC80ZVM
MC80ZBFVM

NOTES
1. S, CN shows a connector.
2. BS☐ shows a switch.
3. H☐P shows a lamp.



A1P	Print circuit board (for operation)
A2P	Print circuit board (for control)
A3P	Print circuit board (for power supply)
A4P	Print circuit board (high voltage power supply for ionisation)
A5P	Print circuit board (for humidity sensor)
A6P	Print circuit board (for dust sensor)
A7P	Print circuit board (for odour sensor)
A8P	Print circuit board (for wireless LAN)
A9P	Print circuit board (for high voltage power supply)
BS1	Wireless LAN on/off switch
BS3	Air monitor switch
BS4	Brightness adjustment switch
BS6	Airflow switch
BS7	Mode switch
BS9	Main switch
H1O	Buzzer
H3P	LED (wireless LAN on/off: green/red)
H4P	LED (daikin eye: light blue)
H5P	LED (daikin eye: light blue)
H6P	LED (daikin eye: light blue)
H7P	LED (daikin eye: green/red)
H8P	LED (daikin eye: green/red)
H9P	LED (daikin eye: green/red)
H10P	LED (streamer lamp: light blue
H11P	LED (humiduty: light blue)
H12P	LED (dust/PM2.5: light blue)
H13P	LED (odour sign: light blue)
H14P	LED (humidity: green/red)
H15P	LED (dust/PM2.5: green/red)
H16P	LED (odour sign: green/red)
H17P	LED (humidity display: white)
H18P	LED (temperature display: white)
H19P	LED (PM2.5 display: white)
H22P	LED (lock function: white)
H29P	LED (fan-quiet: white)
H30P	LED (fan-low: white)
H31P	LED (fan-standard: white)
H32P	LED (fan-turbo: white)
H33P	LED (auto fan: white)
H34P	LED (econo mode: white)
H35P	LED (anti-pollen mode: white)
H36P	LED (circulator mode: white)
H40P	LED (7-segment display humidity/ temperature/PM2.5 monitor: white)
H41P	LED (daikin eye: light blue)
H42P	LED (daikin eye: green/red)
S1NG	Odour sensor
M1F	Fan motor
K1A	Limit switch
F1U	Fuse 250V 3.15A
F2U	Fuse 250V 3.15A
F3U	Fuse 250V 3.15A
S1S	Safety switch (streamer cover detection)
X1P	Power supply plug
Z1C	Ferrite core

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EEDEN23 08/2023

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