

# SPECIFICATIONS

## AIR PURIFIER WITH MOSQUITO CATCHER



Models	FP-GM50L	FP-JM40L	FP-JM30L
Colour	- B (black)	B (black)	B (black)
Recommended area* <sup>1</sup> Air purifying	40 m <sup>2</sup>	30 m <sup>2</sup>	23 m <sup>2</sup>
Recommended area* <sup>2</sup> for high-density Plasmacluster ions	23 m <sup>2</sup>	23 m <sup>2</sup>	16 m <sup>2</sup>
Operation modes	Max / Med / Sleep / Auto	Max / Med / Sleep / Auto	Max / Med / Sleep
Voltage / frequency (V, Hz)	220-240, 50-60	220-240, 50/60	220-240, 50/60
Power input (Max / Med / Sleep) (W)	51 / 17 / 4-6	23 / 14 / 4.5-7.5	53 / 32 / 19
Standby power (W)	1.0	0.9	0.7
Inverter operation	Yes	Yes	No
Airflow (Max / Med / Sleep) (m <sup>3</sup> / hour)	306 / 186 / 48-90	240 / 186 / 48-120	180 / 120 / 78
Noise level (Max / Med / Sleep) (dB)	51 / 41 / 20-29	45 / 39 / 15-30	44 / 36 / 27
Special programme mode	Haze	Haze	Haze
Auto restart	Yes* <sup>4</sup>	Yes* <sup>4</sup>	Yes* <sup>4</sup>
Child lock	No	No	No
Timer	No	Yes (off)	Yes (off)
Filter type	Dust collection	HEPA* <sup>6</sup>	HEPA* <sup>6</sup>
	Deodorisation	Yes	Yes
	Pre-filter	Yes	Yes
Filter life	Dust collection	Up to 2 years* <sup>7</sup>	Up to 2 years* <sup>7</sup>
	Deodorising filter	Up to 2 years* <sup>7</sup>	Up to 2 years* <sup>7</sup>
	Filter replacement indicator	No	Yes
Sensor	Odour	Yes	Yes
	Dust	Yes	Yes
	Light	No	Yes (3 steps)
Clean sign indicator	Yes (3 steps)	Yes	No
Mosquito trap function	Yes	Yes	Yes
Light control button	Yes (bright / off)	Yes (auto / dim / off)	Yes (bright / off)
Power cord length (m) approx.	2.0	2.0	2.0
Dimensions (W x H x D) (mm)	Type C (2-pin)	Type C (2-pin)	Type C (2-pin)
	394 x 540 x 281	397 x 591 x 289	438 x 444 x 253
	Net weight (kg)	6.1	6.9
Replacement filter	HEPA filter	FZ-F50HFE	FZ-F30HFE
	Active Carbon Deodorising Filter	FZ-F50DFE	FZ-F50DFE
Replacement glue sheet	FZ-ST52M	FZ-ST52M	FZ-ST52M

Plasmacluster ion purification	Airborne microbes	Airborne mould	Airborne microbes	Airborne viruses	Dust mite remains allergens	Dust mite feces allergens	Ammonia odour		
	Clinging odours	Cigarette odour	Body odour						
Filter purification	Capture and reduction of growth	Airborne microbes	Viruses	Tree pollen	Dust mite remains	Dust mite feces			
	Deodorising	Pet odour	Body odour	Mould odour	Ammonia odour				
	Capture	Airborne mould	Plant pollen	Tree pollen	Pet dander	Pet hair	Dust	Cigarette smoke	Mite dust

\*<sup>1</sup> Recommended area: Calculated based on the JEM1467 standard of the Japan Electrical Manufacturers' Association. \*<sup>2</sup> The area in which approximately 7,000 ions can be measured per cm<sup>3</sup> in the centre of the room (at a height of approximately 1.2 meters from the floor) when the product is placed next to a wall and run at the maximum setting. \*<sup>3</sup> Ion density about 1.5 times higher for 60 minutes in the applicable room size. \*<sup>4</sup> The air purifier automatically resumes operation when power returns, even after a sudden power interruption, such as due to a circuit breaker. \*<sup>5</sup> By pressing the Child Lock button for more than three seconds, the operation buttons are locked to help prevent inadvertent operation by children or pets. \*<sup>6</sup> HEPA is defined by the JEM1467 standard of the Japan Electrical Manufacturers' Association Standard. The filter removes more than 99.97% of 0.3-micron dust particles. \*<sup>7</sup> At a smoking rate of five cigarettes per day.

\* The number in this technology mark indicates the approximate number of ions supplied into 1 cm<sup>3</sup> of air. This is measured around the centre of a room (at a height of 1.2 m above the floor) with the applicable floor area at the maximum airflow, when a Plasmacluster ion generator using a high-density Plasmacluster ion-generating device is placed close to a wall.

● The filter itself may produce an odour and need to be replaced after several months if the air purifier is used to reduce strong odours, such as cigarette smoke or grilled meat. ● Use the air purifier in combination with room ventilation if it is used for strong odours. ● Not all harmful substances in cigarette smoke (e.g. carbon monoxide) can be removed. ● Not all commonly occurring odours (e.g. pet odours) can be removed.

Design and specifications are current as of September 2019, but are subject to change without prior notice. Actual colours may differ slightly from the colours shown in this brochure.



# PLASMACLUSTER ION GENERATOR

## KEEP YOUR PERSONAL SPACE COMFORTABLE

### DOUBLE-SPEED DEODORISING WITH TURBO MODE

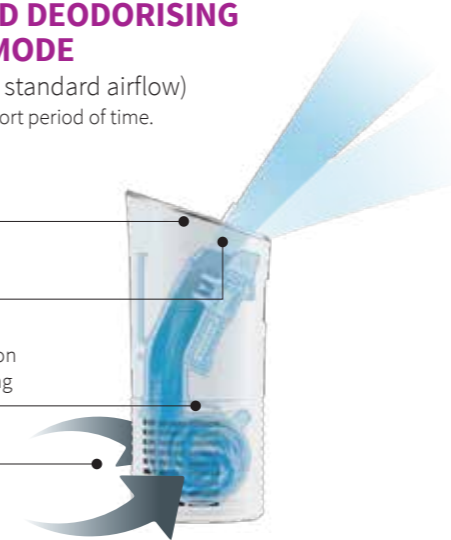
(In comparison with standard airflow)  
For deodorisation in a short period of time.

Front-tilt design releases ions effectively

Adjustable louver angle (2 steps)

Fan is level with air suction inlets for effective drawing in of air

Twin air suction



### IG-GC2L

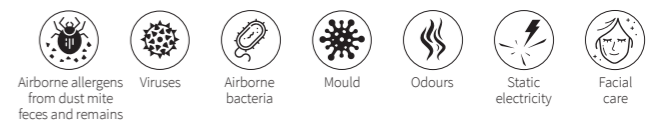


Metallic Black

#### Eliminates clinging mould odours in the car

- Tested by Sharp
- Test method: The effectiveness of deodorising a cloth swatch infused with mould odour components through exposure to Plasmacluster ions was evaluated by using the pair test method in an approx. 3.6 m<sup>3</sup> car space.\*

\* Deodorisation effectiveness may vary depending on the type, strength, attached material and other factors relating to the odour



### QUIET OPERATION

- 23 dB with standard airflow
  - 36 dB with turbo mode
- So quiet that it is barely audible even in a hybrid car

### TINY DUST AND POLLEN COLLECTION

**PM10 filter collects tiny dust and pollen**  
With a PM10 dust filter on each side, the unit captures approximately 80% of pollen and fine dust particles (10 microns or larger in size).



PM10 filter

Model	IG-GC2L-B
Power	Car adapter
Rated input	DC12V
Rated output	DC5V (Max. 2 A for 2 ports)
Operation mode	3 (Turbo/Med/Low)
Power consumption	1.8 W/0.7 W/0.5 W
Ion density (approx.)	75,000/25,000/7,000 ions/cm <sup>3</sup>
Operating noise level	36 dB/23 dB/19 dB
Outer dimensions	Upper: 74 mm / Lower: 65 mm / Height: 162 mm
Weight	Approx. 265g (excluding accessories)
Capacity applicable for high-density Plasmacluster 25000*	Approx. 3.6m <sup>3</sup>

\* It is the index of capacity that approximately 25,000 ions blown out to the air can be measured at the point near the centre of the space (0.5m height from floor) when the air volume is "MED", by placing the unit in an appropriate place such as a cup-holder beside the driver's seat.