



Recommended  
Room Size:  
**21 m<sup>2</sup>**



### Plasmacluster Air Purifier Three-step Dust Collection System

#### 1 Plasmacluster Ions Clean the Room Air

Plasmacluster effectively solves a wide variety of air-quality concerns.

Mold

Viruses

Airborne bacteria

Airborne allergens from dust mite feces and remains

Haze

Odors

Static electricity

Facial care

#### 2 Powerful Dust Collection and Capture System

**Fast Airflow and Circulation from Unique Aerodynamic Structure**

**Higher Dust Removal Speed from Airflow Circulation**

#### 3 Triple High-Performance Filters

**HEPA Filter<sup>\*1</sup>**

**Enlargement of HEPA Filter<sup>\*1</sup>**

The larger the surface area of the filter, the more dust and other harmful particles are captured.

The filter measures as long as approx. 8 m when fully extended.

**What the HEPA Filter<sup>\*1</sup> Captures**

99.97%<sup>\*2</sup> capture and removal of 0.3-micron dust particles

- Tree pollen**: Cedar, cypress, birch, alder, beech, red cedar, oak, pine
- Grass pollen**: Ragweed, wormwood, hop, orchard grass, vernal grass, timothy grass
- Allergens**: Dust mite feces, dust mite remains, dog dander, cat dander, hamster dander, mold
- Viruses**
- Airborne mold**: Black mold, Stachybotrys, Aspergillus niger, Penicillium
- Dust**: Dust, pet hair, pet dander, cigarette smoke, cooking fumes, mite dust, diesel exhaust particles, Asian dust
- Odors**: Cigarette odor, pet odor, cooking odor, kitchen food waste odor, toilet odor, body odor, mold odor, ammonia odor

#### 4 Floating Humidification System with Humidifying Filter Floating on Water

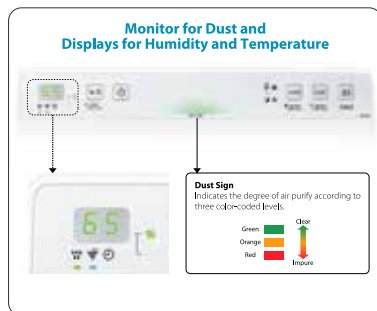
**Fill the Humidifying Tray Directly with Tap Water**

The humidifying filter operates according to the water level, and so the the humidifying level is kept constant, with humidity controlled through adjustment of the airflow by sensors detecting the temperature and humidity levels in the room.

### 5 Simple Operation

#### Off Timer for Convenient Use

The off timer can be set to 1, 2, 4, and 8 hours.



<sup>\*1</sup> The number in this technology mark indicates the approximate number of ions supplied into 1 cm<sup>3</sup> of air, which is measured around the center 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.

#### Specification:

Models			KC-F30L-W	
Color		~W (white)	Filter type	Dust collection
Humidifying	Humidifying system	Natural vaporization		HEPA <sup>*5</sup>
	Tank capacity	1.8 L		Deodorization
	Humidifying capacity <sup>*2</sup>	350 mL/hour		Yes
Recommended area	Air purifying <sup>*3</sup>	21 m <sup>2</sup>	Filter life	Pre-filter
	Humidifying <sup>*2</sup>	16 m <sup>2</sup>		Yes
Recommended area for high-density Plasmacluster ions <sup>*3</sup>		17 m <sup>2</sup>		Humidifying
Operation modes		Max / Med / Low / Auto		Yes
Voltage/frequency (V, Hz)		220-240, 50/60	Sensor	Dust collection
Power input (W)	Without humidifying	27 / 12 / 4.1		Up to 2 years <sup>*6</sup>
(Max / Med / Low)	With humidifying	27 / 12 / 4.1		Deodorizing filter
Standby power (W)		0.9		Up to 2 years <sup>*6</sup>
Inverter operation		Yes		Humidifying filter
Airflow	Without humidifying	180 / 125 / 52		Up to 5 years
	With humidifying	180 / 125 / 52		Odor
Noise level	Without humidifying	48 / 38 / 21		No
(Max / Med / Low) (dB)	With humidifying	48 / 38 / 21		Dust
Special program mode		Haze mode, Clean ion shower, Auto restart <sup>*4</sup> , Off timer		Yes
				Temperature and humidity
			Clean sign indicator	Yes (3 steps)
			Light control button	Yes (bright / off)
			Power cord length (m) approx.	2.0
			Plug type	Type C (2-pin)
			Dimensions (W x H x D) (mm)	380 x 570 x 197
			Net weight (kg)	7.2
			Replacement filter	HEPA filter
				FZ-F30HFE
				Deodorizing filter
				FZ-F30DFE
				Humidifying filter
				FZ-F30MFE

<sup>\*1</sup> Recommended room size: Measured based on the JEM1467 standard of the Japan Electrical Manufacturers' Association. <sup>\*2</sup> Measurement conditions: 20°C, 30% humidity (JEM1426). <sup>\*3</sup> Size of a room in which approximately 25,000 ions (KJ-A60 only) or 7,000 ions (models except the KJ-A60) can be measured per cm<sup>3</sup> in the center of the room (at a height of approximately 1.2 meters from the floor) when the product is placed next to a wall and operated at the maximum operation position. <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> 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>\*6</sup> At a smoking rate of five cigarettes per day.

Design and specifications are current as of Jan. 2016, but are subject to change without prior notice. Actual colors may differ slightly from the colors shown in this brochure.

● The filter itself may produce an odor and need to be replaced after several months if the air purifier is used to reduce strong odors, such as cigarette smoke or grilled meat. ● Use the air purifier in combination with room ventilation if it is used for strong odors. ● Not all harmful substances in cigarette smoke (e.g., carbon monoxide) can be removed. ● Not all commonly occurring odors (e.g., pet odors) can be removed. ● Heat from air drawn in is lost when water evaporates from the humidifier filter, so the temperature of the outgoing airflow is lower than the room temperature. ● Use tap water to fill the water tank.

### Keep your personal air space clean in your car or desk!



USB powered, may be used with any standard USB port

#### 1 Fast deodorization



For smoking and food smell

#### 2 Tiny dust and pollen collection



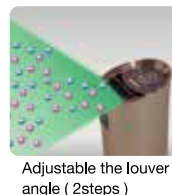
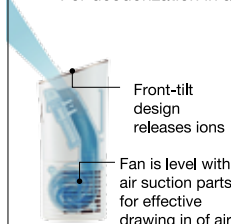
PM10 filter collects tiny dust particles and pollen

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).

#### 3 Double-speed deodorizing with turbo mode

(In comparison with Standard air flow)

For deodorization in a short period of time.

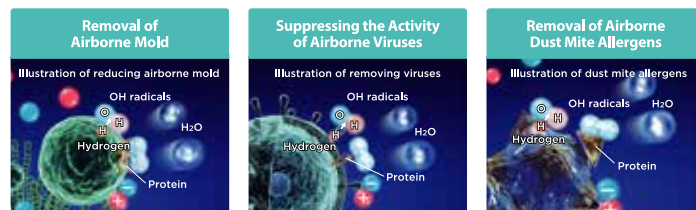


#### 4 Supports USB connection



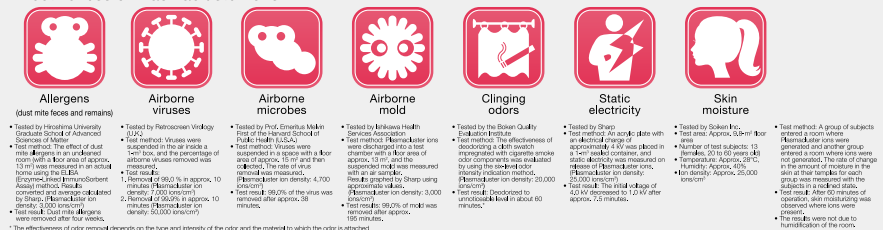
Comes with 2-port USB car adapter, charge your smartphone at the same time.

#### 5 Plasmacluster Mechanism to Remove Microbes



• Reduction of Static Electricity • Removal of Clinging Odors

#### Effectiveness of Plasmacluster Ions



#### Eliminates clinging mold odors in the car

• Tested by Sharp • Test method: The effectiveness of deodorizing clothes swatch impregnated with Plasmacluster Ions was evaluated by using pair test method in an approx. 3.6 m³ car space.\*

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

#### Specifications

Model	IG-GC2L	Power consumption	1.8 W/0.7 W/0.5 W
Colour	- B (Metallic Black) / - P (Metallic Pink) / - N (Champagne Gold)	Ion density (approx.)	75,000/25,000/7,000 ions/cm³
Power	Car adapter	Operating noise level	36 dB/23 dB/19 dB
Rated input	DC12V	Outer dimensions	Upper: 74 mm / Lower: 65 mm / Height: 162 mm
Rated output	DC5V (Max. 2 A for 2 ports)	Weight	Approx. 265g (excluding accessories)
Operation mode	3 (Turbo/Med/Low)	Capacity applicable for high-density Plasmacluster 25000*	Approx. 3.6m³

\*It is the index of capacity that approximately 25,000 ions blown out to the air can be measured at the point near the center 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.