



Recommended Room Size: 62 m²

FP-J80E-H
HIGH-DENSITY 25000



Recommended Room Size: 48 m²

FP-J60E-W
HIGH-DENSITY 25000



Recommended Room Size: 30 m²

FP-J40E-W
HIGH-DENSITY 7000

SHARP

Be Original.

FP-J80E-H
FP-J60E-W
FP-J40E-W
Plasmacluster Air Purifier

Specifications

Models	FP-J80E-H	FP-J60E-W	FP-J40E-W
Color	Gray	White	White
Recommended area	Air purifying ¹ 62 m ²	48 m ²	30 m ²
Recommended area for high-density Plasmacluster ions ²	35 m ²	26 m ²	23 m ²
Operation modes	Max / Med / Low / Pollen / Sleep	Max / Med / Low / Pollen / Sleep	Max / Med / Sleep
Voltage/frequency (V, Hz)	220-240, 50-60	220-240, 50-60	220-240, 50-60
Power input (W)(Max / Med / Low)	48 / 28 / 4.0	38 / 18 / 3.6	23 / 14 / 3.5-7.5
Standby power (W)	1.3	1.2	0.9
Inverter operation	Yes	Yes	Yes
Airflow (Max / Med / Low) (m ³ /hour)	480 / 288 / 60	396 / 222 / 60	240 / 186 / 48-120
Noise level (Max / Med / Low) (dB)	47 / 45 / 15	43 / 40 / 15	45 / 39 / 15-30
Special program mode	Auto, Haze (E, L, M) / Anti-dust (Y) / Clean ion shower (TA)	Auto, Haze (E, L, M) / Anti-dust (Y) / Clean ion shower (TA)	Auto, Haze (E, L, M) / Anti-dust (Y) / Clean ion shower (TA)
Auto restart	Yes ³	Yes ³	Yes ³
Child lock	Yes ⁴	Yes ⁴	No
Timer	Yes (on / off) (1-12h)	Yes (on / off) (1-12h)	Yes (off) (2 / 4 / 8)
Filter type	Dust collection	HEPA ⁵	HEPA ⁵
	Deodorization	Deodorization	Deodorization
	Pre-filter	fine-meshed	fine-meshed
Filter life	Dust collection	Up to 2 years ⁶	Up to 2 years ⁶
	Deodorizing filter	Up to 2 years ⁶	Up to 2 years ⁶
Sensor	Odor	Yes	Yes
	Dust	Yes (High sensitive)	Yes (High sensitive)
	Temperature and humidity	Yes	No
	Light	Yes	Yes
Clean sign indicator	Yes	Yes	Yes
Light control button	Yes (bright / dim / off)	Yes (bright / dim / off)	Yes (bright / dim / off)
Power cord length (m)	2.0	2.0	2.0
Dimensions (W x H x D) (mm)	416 x 728 x 291	416 x 728 x 291	390 x 583 x 270
Net weight (kg)	10.6	10.0	6.2
Replacement filter	HEPA filter	FZ-J80HFE	FZ-F50HFE
	Deodorizing filter	FZ-J80DFE	FZ-F50DFE
Replacement unit	-	-	-

Plasmacluster ion purification	Airborne microbes	Airborne mold	Airborne viruses	Dust mite remain allergens	Dust mite feces allergens	Ammonia odor
Clinging odors	Cigarette odor	Body odor				
Filter purification	Capture and reduction of growth	Airborne microbes	Viruses	Tree pollen	Dust mite remains	Dust mite feces
	Deodorizing	Cigarette odor	Pet odor	Mold odor	Ammonia odor	HAZE ⁷ gases
Capture	Airborne mold	Plant pollen	Tree pollen	Pet dander	Pet hair	Dust, Cigarette smoke, Mite dust, Diesel exhaust

¹ Recommended room size: Measured based on the JEM1467 standard of the Japan Electrical Manufacturers' Association.
² The number in this technology mark indicates an approximate number of ions supplied into air of 1 cm³, which is measured around the center of a room applicable floor area (at 1.2 m height above the floor) when the product is placed close to a wall at the MED mode setting.
³ The air purifier automatically resumes operation when power returns, even after a sudden power interruption, such as due to a circuit breaker.
⁴ 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.
⁵ 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.
⁶ At a smoking rate of five cigarettes per day.
⁷ Toluene, Ethylbenzene, xylene etc. The deodorizing performance for a single component odors substance in a 1m³ test container may be different than the deodorizing performance in actual use.

● Not all harmful substances in cigarette smoke (e.g., carbon monoxide) can be removed.

* Design and specifications are current as of September 2018, but are subject to change without prior notice.
* Actual colors may differ slightly from the colors shown in this brochure.

SHARP

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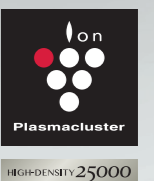
Enjoy Smart Air Purifier

Smart System

- Home Fit Operation
- Monitor for Outdoor/Indoor Air Quality
- Propose optimal timing for filter exchange

Plasmacluster

The higher the PCI density is, the more effective Plasmacluster has.





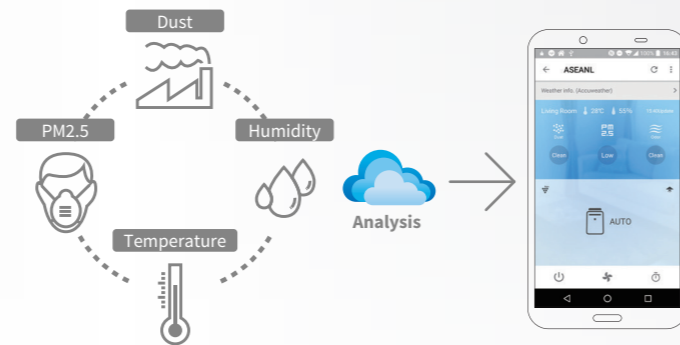
Everyday Comfort by Smart Enjoy Air Purifier

Remote Control (FP-J80E-H)



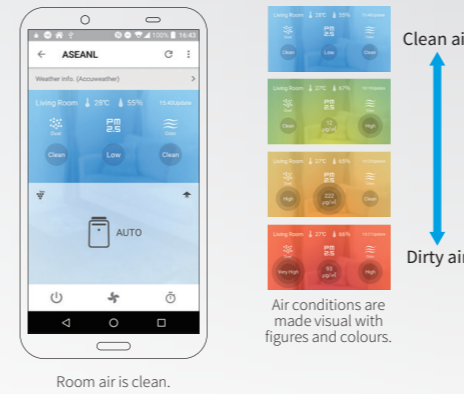
Home Fit (FP-J80E-H)

Visualization of air quality and automatic operation based on air quality level.



Visualization For Air Quality (FP-J80E-H)

Confirm that condition of air quality of the room has become clean visually.



Filter Status Monitor (FP-J80E-H)

Propose optimal timing for filter exchange.



* The optimal times for replacing the dust-collecting and deodorizing filters are calculated using Sharp's unique algorithm from operation conditions and sensing information based on the JEM 1467 standard of the Japan Electrical Manufacturers' Association.

Sharp's Unique Plasmacluster with Efficient Dust Collection Delivers Clean Comfortable Air in Your Room

Plasmacluster

(HIGH-DENSITY 25000 : FP-J80E-H/FP-J60E-W) (HIGH-DENSITY 7000 : FP-J40E-W)

Plasmacluster Ions Can Remove Mold^{*1}, Viruses^{*2}, Allergens^{*4}, Odors^{*8}, and Static Electricity.

The higher the PCI density is, the more effective PCI has.

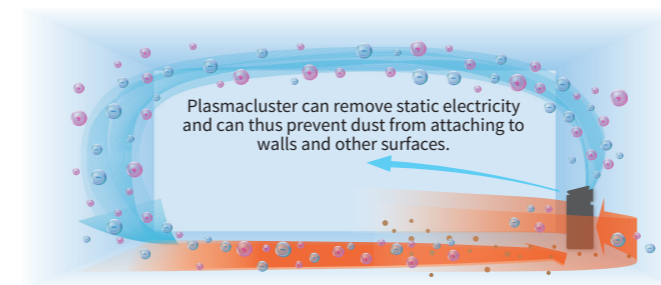
	Air Purifying				Reduction of Static Electricity ^{*1}		Removal of Odor			Skin-Beautifying Effects ^{*11}	
	Airborn		Adhering		Cigarette Odors ^{*8}	Spot Deodorization Sweet Odor ^{*9}	Damp-dry Odor ^{*10}				
	Mold ^{*1}	Viruses ^{*2}	Microbe ^{*3}	Allergens ^{*4}	Mold ^{*5}	Viruses ^{*6}					
HIGH-DENSITY 25000 [*]	14 min	9 min	14 min	14 min	3 days	10 hours	2.7 min	55 min	6 hours	3 hours	20 min
HIGH-DENSITY 7000 [*]	49 min	18 min	51 min	51 min			13 min	90 min	6 hours	3 hours	
Testing space	25 m ³	25 m ³	25 m ³	25 m ³	20 m ³	25 m ³	41 m ³	41 m ³			41 m ³

* The number in this technology mark indicates an approximate number of ions supplied into air of 1 cm³, which is measured around the center of a room applicable floor area (at 1.2 m height above the floor) when the product is placed close to a wall at the MED mode setting.



Coanda Airflow

Faster airflow at a 20° angle collects dust at lower levels in the room for more effective cleaning.



3 Steps Filtration

High-Performance Filters Capture Airborne Dust Particles.

1 New Pre-filter

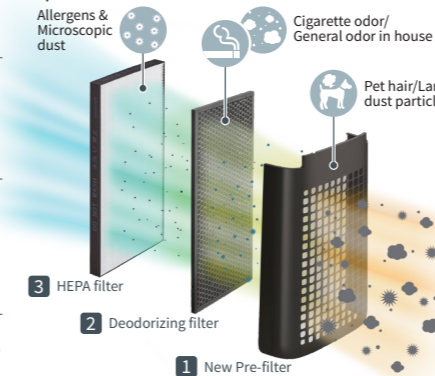
Captures larger than approx. 240 micron dust particles, washable.

2 Deodorizing filter

Absorbs cigarette odor, pet odor and many other common household odors.

3 Electrostatic HEPA filter

Traps 99.97% of microscopic particles (as small as 0.3 micron) in the air.



Plasmacluster Spot Mode (FP-J80E-H/FP-J60E-W)

A high-density concentration of Plasmacluster ions are discharged forward. This is effective in removing odors, bacteria, and viruses clinging in remote areas of the room.



* The number of ions supplies into air of 1 cm³, which measured at a position approx.70 cm from the floor and 1 m from the front discharge outlet.

Effect of Plasmacluster Spot Mode Deodorization and Bacteria Removal

Removal of Clinging Odors					Removal of clinging bacteria
Cigarette odor	Pet odor	Odor of wet clothes drying indoors	Sweat odor	Cooking odor	Clinging bacteria
Approx. 30 minutes	Approx. 6 hours	Approx. 3 hours	Approx. 6 hours	Approx. 2 hours	Approx. 8 hours

* Effect after the above times at a position approx. 70 cm from the floor and 1 m from the front discharge outlet.

• Application design may be different from actual one or be updated as necessary.

*1 Airborne Mold • Tested by: Japan Food Research Laboratories • Test method: Performance evaluation test according to voluntary standard HD-131 of the Japan Electrical Manufacturers' Association in a testing space of approx. 25 m³. • Object tested: One type of airborne mold. ■ Test result: 99% reduction in approx. 14 minutes, tested with a model in the same class as the FP-J60E-W operating at the High airflow setting. 99% reduction in approx. 49 minutes, tested with a model in the same class as the FP-F30 operating at the High airflow setting. *2 Airborne Viruses • Tested by: Pasteur Institute in Ho Chi Minh City, Vietnam • Test method: Performance evaluation test according to voluntary standard JEM 1467 of the Japan Electrical Manufacturers' Association in a testing space of approx. 25 m³. • Object tested: One type of airborne virus. ■ Test result: 99% reduction in approx. 9 minutes, tested with a model in the same class as the FP-J60E-W operating at the High airflow setting. 99% reduction in approx. 18 minutes, tested with a model in the same class as the FP-F30 operating at the High airflow setting. *3 Airborne Microbes • Tested by: Japan Food Research Laboratories • Test method: Performance evaluation test according to voluntary standard HD-131 of the Japan Electrical Manufacturers' Association in a testing space of approx. 25 m³. • Object tested: One type of airborne microbe. ■ Test result: 99% reduction in approx. 14 minutes, tested with a model in the same class as the FP-J60E-W operating at the High airflow setting. 99% reduction in approx. 51 minutes, tested with a model in the same class as the FP-F30 operating at the High airflow setting. *4 Airborne Allergens from Dust Mite Feces and Remains • Tested by: ITEA Inc. • Test method: Allergens from dust mite feces and remains were suspended in the air in a testing space of approx. 25 m³ and measured using the ELISA method. ■ Test result: 99% reduction in approx. 14 minutes, tested with a model in the same class as the FP-J60E-W operating at the High airflow setting. 99% reduction in approx. 51 minutes, tested with a model in the same class as the FP-F30 operating at the High airflow setting. *5 Adhering Mold • Tested by: Shokukan Inc. • Test method: Comparison of mold growth areas on a test plate with adhered mold with reference to JIS Z 2911. ■ Test result: Limitation of growth after 3 days. Tested with a model in the

Convenient Features for Everyday Comfort

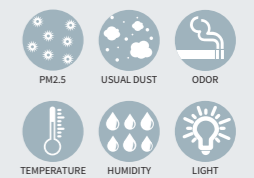
Automatic Operation

Once you press the button, everything operates by sensors automatically.

4 Detection FP-J60E-W/FP-J40E-W



6 Detection FP-J80E-H



HAZE Special Mode

HAZE mode (E / L / M)

Operates at HIGH fan speed for 60 minutes and the alternates between Low and High level for 20 minutes each.

ANTI DUST mode (Y)

CLEAN ION SHOWER mode (TA)

Operates at HIGH fan speed for 60 minutes

Convenient function

• Timer Function

- OFF Timer (2, 4, 8 hours) [FP-J40E-W]
- ON/OFF Timer (1-12 hours) [FP-J80E-H/FP-J60E-W] (Can set in from 10 minutes to 24 hours through the designated application.) [FP-J80E-H]

• Child Lock

• Touch Panel [FP-J80E-H/FP-J60E-W]

same class as the FP-J60E-W operating at the High airflow setting. *6 Adhering Viruses • Tested by: Shokukan Inc. • Test method: Performance evaluation test according to voluntary standard JEM 1467 of the Japan Electrical Manufacturers' Association in a testing space of approx. 25 m³. • Object tested: One type of adhering virus. ■ Test result: 99% reduction in approx. 10 hours. Tested with a model in the same class as the FP-J60E-W operating at the High airflow setting. *7 Static Electricity • Tested by: Sharp • Test method: Measurement of time required for a metal sensing plate charged to 5 kV to decrease in charge to 0.5 kV. ■ Test result: As described above. After approx. 2.7 minutes for a model in the same class as the FP-J60E-W and approx. 13 minutes for a model in the same class as the FP-F30. *8 Clinging Cigarette Odor • Tested by: Sharp • Test method: The effectiveness of deodorizing a cloth swatch impregnated with cigarette odor components was evaluated by using the six-level odor intensity indication method. ■ Test result: Deodorized to unnoticeable levels after approx. 55 minutes for a model in the same class as the FP-J60E-W and approx. 90 minutes for a model in the same class as the FP-F30. *9 Sweat Odor Clinging to Clothing • Tested by: Sharp • Test method: The effectiveness of deodorizing a cloth swatch impregnated with sweat odor components was evaluated by using the six-level odor intensity indication method. ■ Test result: Deodorized to unnoticeable level in about six hours. Tested with a model in the same class as the FP-F30. *10 Damp-dry Odor on Clothes Drying Indoors • Tested by: Sharp • Test method: The effectiveness of deodorizing a cloth swatch impregnated with damp-dry odor components on clothes drying indoors was evaluated by using the six-level odor intensity indication method. ■ Test result: Deodorized to unnoticeable level in approx. three hours. Tested with a model in the same class as the FP-F30 operating. *11 Skin-Beautifying Effects • Tested by: Soiken Inc. • Subjects tested: 21 women, ages 36 to 63 • Temperature: Approx. 25°C, Humidity: Approx. 45% • Test method: Measurement of skin moisture levels at the corners of the eyes of subjects at rest. ■ Test result: An effect of providing luster to skin after 20 minutes of operation was verified. Tested with a model in the same class as the FP-J60E-W operating with humidifying air purification at the Med setting.