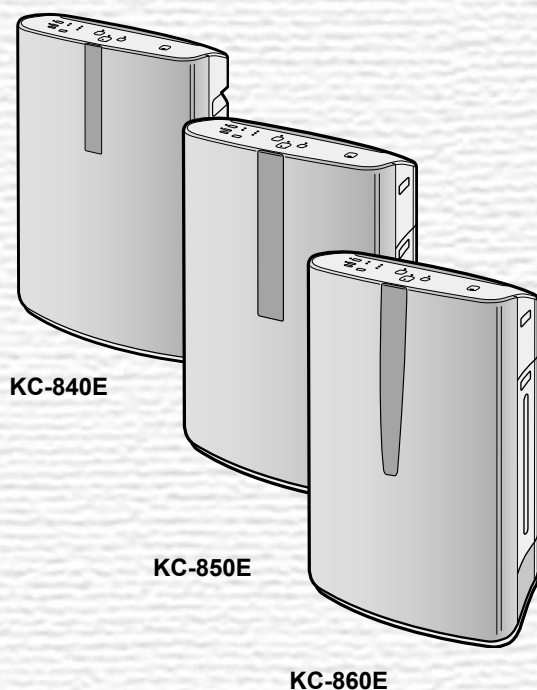


SHARP®



*Plasmacluster is a trademark of Sharp Corporation.



KC-840E
KC-850E
KC-860E

SHARP

SHARP ELECTRONICS (Europe) GmbH
Sonninstraße 3, D-20097 Hamburg

SHARP CORPORATION
OSAKA, JAPAN

AIR PURIFIER
with Humidifying Function
OPERATION MANUAL

LUFTREINIGER
mit Befeuchtungsfunktion
BEDIENUNGSANLEITUNG

Purificateur d'air avec
fonction d'humidification
MANUEL D'UTILISATION

LUCHTREINIGER
met luchtbevochtiger
GEbruIKSAANWIJZING

Воздухоочиститель с
функцией увлажнения
РУКОВОДСТВО ПО
ЭКСПЛУАТАЦИИ

ENGLISH

DEUTSCH

FRANÇAIS

NEDERLANDS

РУССКИЙ

Printed in China
TINS-A347KKRZ 09F-

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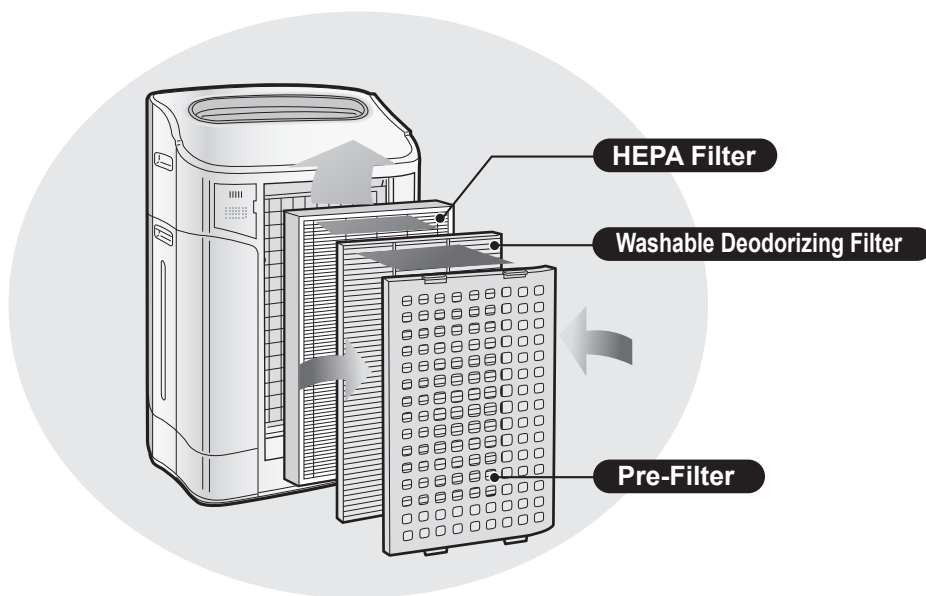
Please read before operating your new Air Purifier

The air purifier draws in room air from the air intake, passes the air through a Pre-Filter, a Washable Deodorizing Filter and a HEPA Filter inside of the unit, then discharges the air through the air outlet. The HEPA Filter can remove 99.97% of dust particles as small as 0.3 microns that pass through the filter and also helps absorb odours. The Washable Deodorizing Filter gradually absorbs odours as they pass through the filter.

Some odours absorbed by the filters may break down over time, resulting in additional odour. Depending on the usage environment, especially when the product is used in extreme environments (significantly more severe than normal household use), this odour may become strong in a shorter period than expected. If the odour persists, the filters should be replaced.

NOTE

- The air purifier is designed to remove air-suspended dust and odour, but not harmful gases (for example, carbon monoxide contained in cigarette smoke). If the source of the odour still exists, the air purifier may not completely remove the odour.



(Common illustration has used "KC-850E".)

FEATURES

Unique Combination of Air Treatment Technologies
Triple Filtration System + Plasmacluster + Humidification

TRAPS DUST*

Washable pre-filter traps dust and other large airborne particles.

DECREASES ODOURS

Washable deodorizing filter absorbs many common household odours.

REDUCES POLLEN & MOLD*

HEPA filter traps 99.97% of particles as small as 0.3 microns.

FRESHENS

Plasmacluster treats the air similar to the way nature cleans the environment by emitting a balance of positive and negative ions.

HUMIDIFIES

Runs up to 10 hours per filling.**

*When air is drawn through the filter system.

**Room size:

up to 48 m² (KC-860E)

up to 38 m² (KC-850E)

up to 26 m² (KC-840E)

Sensor Technology continuously monitors air quality, and automatically adjusting operation based on detected air purity and humidity.

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Thank you for purchasing this SHARP Air Purifier. Please read this manual carefully before using the air purifier. After reading, keep the manual in a convenient location for future reference.



IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic safety precautions should be followed, including the following:

WARNING – To reduce the risk of electrical shock, fire or injury to persons:

- Read all instructions before using the unit.
- Use only a 220~240 volt outlet.
- **Do not use the unit if the power cord or plug is damaged or the connection to the wall outlet is loosened.**
- Periodically remove dust from the plug.
- **Do not insert fingers or foreign objects into the air intake or air outlet.**
- **When removing the power plug, always hold the plug and never pull on the cord.** Electrical shock and/or fire from a short circuit may result.
- **Do not remove the plug when your hands are wet.**
- **Do not use this unit near gas appliances or fireplaces.**
- When refilling the Water Tank, cleaning the unit, or when the unit is not in use, be sure to unplug the unit. Electrical shock and/or fire from a short circuit may result
- **If the power cord is damaged, it must be replaced by the manufacturer, its service agent, a Sharp authorized Service Centre or similarly qualified person in order to avoid a hazard.**
- Do not operate when using aerosol insecticides or in rooms where there is oily residue, incense, sparks from lit cigarettes, chemical fumes in the air, or in locations where the unit may get wet, such as a bathroom.
- Be cautious when cleaning the unit. Strong corrosive cleansers may damage the exterior.
- Only a Sharp Authorized Service Centre should service this air purifier. Contact the nearest Service Centre for any problems, adjustments, or repairs.
- When carrying the unit, remove the Water Tank and Humidifying Tray first and hold the unit by handles on both sides.
- Do not drink the water in the Humidifying Tray or Water Tank.
- Change the water in the Water Tank daily with fresh tap water and regularly clean the Water Tank and Humidifying Tray. (See E-12 and E-13). When unit is not in use, dispose of the water in the Water Tank and Humidifying Tray. Leaving water in the Water Tank and/or Humidifying Tray may result in mold, bacteria, and bad odours. In rare cases, this bacteria may cause harmful physical effects.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure they do not play with the appliance.

NOTE – Radio or TV Interference

If this air purifier should cause interference to radio or television reception, try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation distance between the unit and radio/TV receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



CAUTIONS CONCERNING OPERATION

- Do not block the intake and/or air outlet.
- Do not use the unit near or on hot objects, such as stoves or heaters, or where it may come into contact with steam.
- Always operate the unit in an upright position.
- **Hold the unit by using the handles on both sides when moving.**
Do not move when the unit is in operation.
- **Do not operate the unit without the filters, Water Tank, and Humidifying Tray properly installed.**
- **Do not wash and reuse the HEPA filter.**
Not only does it not improve filter performance, it may cause electric shock or malfunction.
- **Clean the exterior with a soft cloth only.**
Do not use volatile fluids and/or detergents.
The unit surface may be damaged or cracked.
In addition, the sensors may malfunction as a result.
- **Frequency of maintenance required (descaling) will depend on the hardness or the impurities of the water that you use; the harder the water the more often descaling will be necessary.**
- **Keep the unit away from water.**

INSTALLATION GUIDELINES

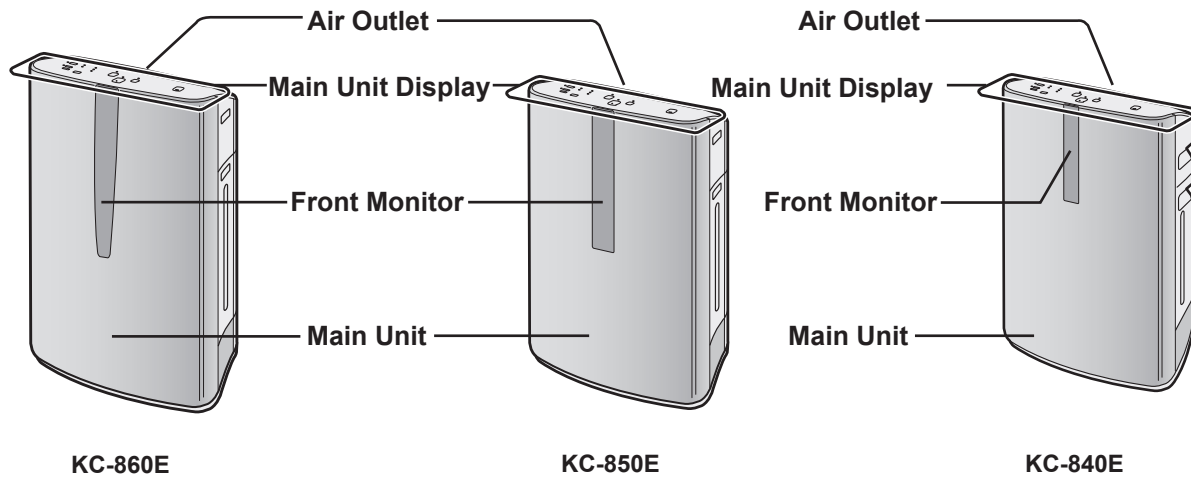
- **When using the unit, place at least 2m away from equipment utilizing electric waves such as televisions or radios to avoid electrical interference.**
- **Avoid a location where the sensor is exposed to direct wind.**
The unit may not operate properly.
- **Avoid use in locations where furniture, fabrics or other items may come in contact with and restrict the air intake and/or air outlet.**
- **Avoid use in locations where the unit is exposed to condensation or drastic temperature changes. Appropriate conditions are when room temperature is between 5 – 35 °C.**
- **Place on a stable surface with sufficient air circulation.**
When placing the unit on a heavily carpeted area, the unit may vibrate slightly.
Place the unit on an even surface to avoid water leakage from the Water Tank and/or Humidifying Tray.
- **Avoid locations where grease or oily smoke is generated.**
The unit surface may crack or the sensor may malfunction as a result.
- **Place the unit about 30 cm~60 cm(1~2 ft) away from the wall in order to ensure proper air-flow.**
The wall directly behind the air outlet may become dirty over time. When using the unit for an extended period of time in the same location, periodically clean the wall and protect the wall with a vinyl sheet, etc. to prevent the wall from becoming dirty.

FILTER GUIDELINES

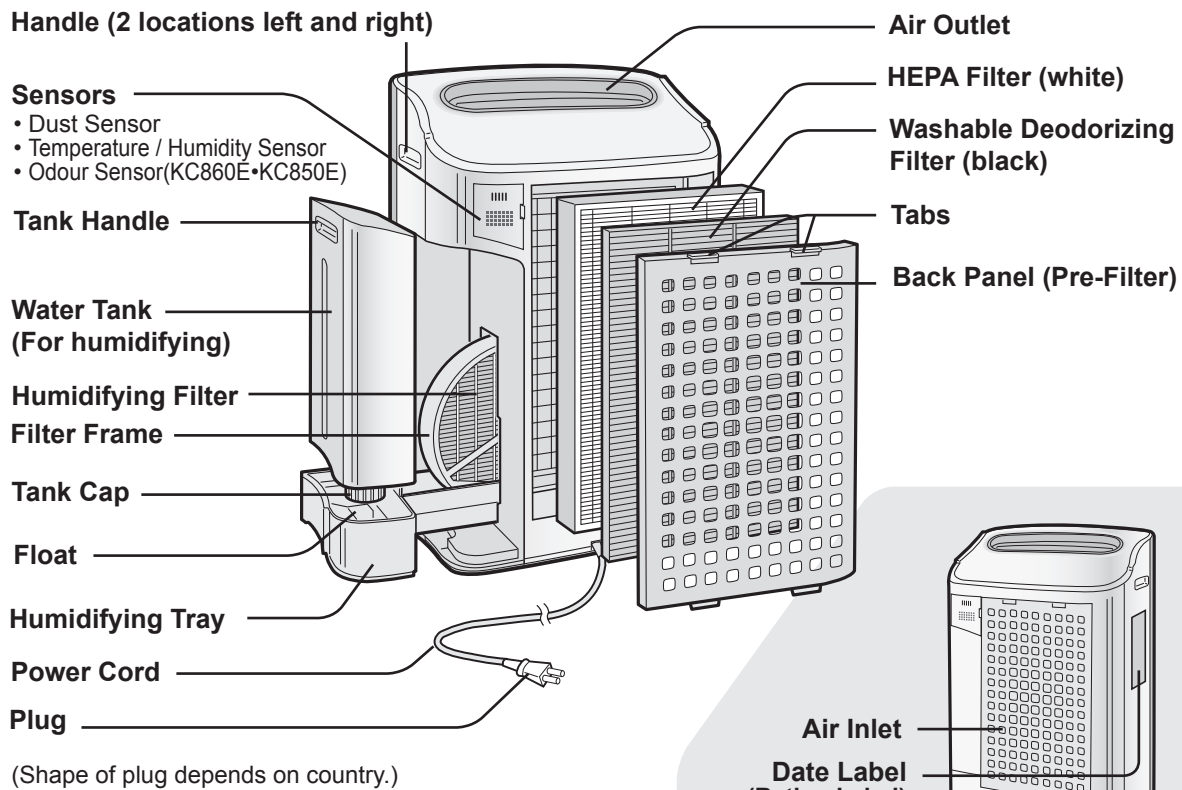
- Follow the instructions in this manual for correct care and maintenance of the filters.

PART NAMES

ILLUSTRATIVE DIAGRAM – FRONT



BACK



FRONT MONITOR

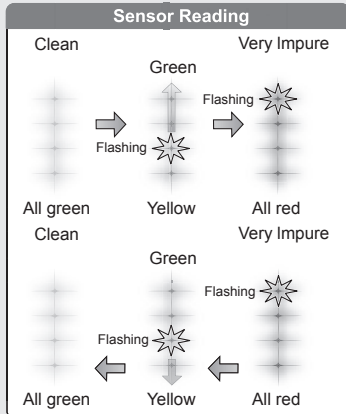
Indicates condition and humidity of room air.

KC-850E KC-860E

Indicates the room condition of odour, dust, and humidity.

DUST MONITOR

The dust sensor continuously monitors the air and changes colour depending on air purity. KC-860E has 5 levels of dust detector.



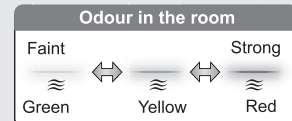
When the dust sensor detects dust, the flashing light moves depending on dustiness.

Plasmacluster Indicator Light (blue)

Blue: Plasmacluster ON
Light off: Plasmacluster OFF

ODOUR MONITOR

The odour sensor continuously monitors the air and changes colour depending on odour intensity.



Dust and odor are detected by different sensors. The colours may not change simultaneously.

Water Supply Indicator Light (red)

This light will illuminate when the water tank needs to be refilled.

Humidity Indicator Light (green)

Displays the approximate humidity level in the room. Humidity setting cannot be adjusted.

(Ex.) At 60 % humidity

80 % or more *H*
Less than 30 % *Lo*

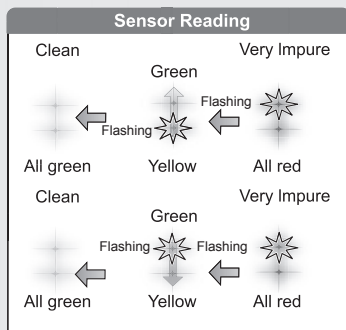


ENGLISH

KC-840E

DUST MONITOR

The dust sensor continuously monitors the air and changes colour depending on air purity.



When the dust sensor detects dust, the flashing light moves depending on dustiness.

Humidity Indicator Light (green)

Displays the approximate humidity level in the room. Humidity setting cannot be adjusted.

High – 65 % or more

Med – 65 % or less of 40 % or more

Low – 40 % or less

Water Supply Indicator Light (red)

This light will illuminate when the water tank needs to be refilled.

Plasmacluster Indicator Light (blue)

Blue: Plasmacluster ON
Light off: Plasmacluster OFF

E-5

PREPARATION FOR USE

Unplug the unit before installing or adjusting the filters.

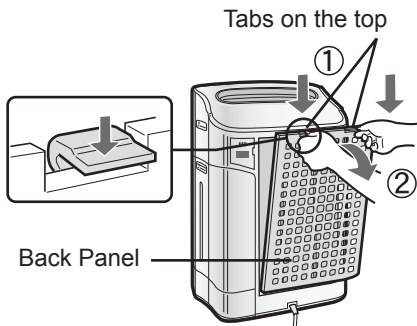
FILTER INSTALLATION

To maintain the quality of the filters, they are packed in plastic bags and placed in the unit. Be sure to remove the filters from the plastic bags and replace the filters in the unit before initial use.

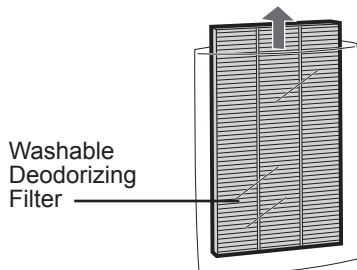
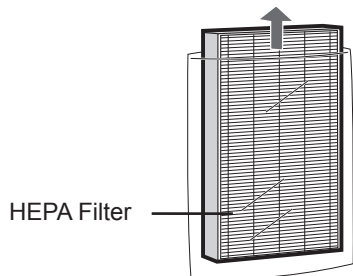
1 Remove the filters

1 Remove the Back Panel.

Gently push down on the tabs, then tilt and remove the back panel.



2 Remove the Washable Deodorizing Filter (black) and HEPA Filter (white) from the plastic bags.

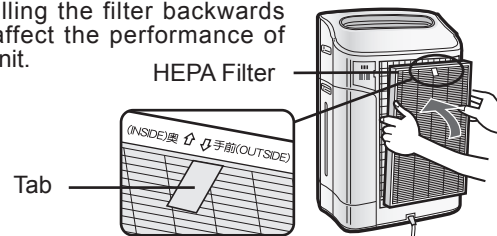


2 Install the filters

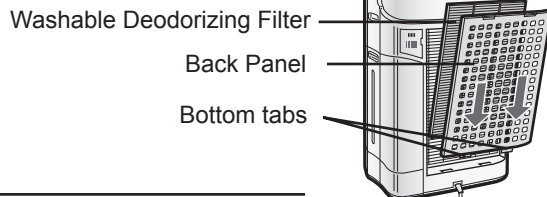
1 Install the HEPA Filter.

Please make sure that the HEPA Filter is placed in proper orientation.

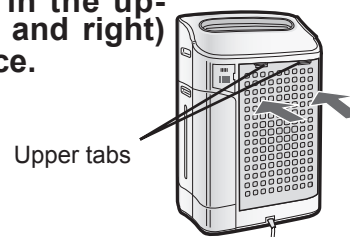
Installing the filter backwards will affect the performance of the unit.



2 Insert the Back Panel's 2 bottom tabs (left and right) into the small holes in the unit, and slide the Washable Deodorizing Filter between the HEPA Filter and the Back Panel.

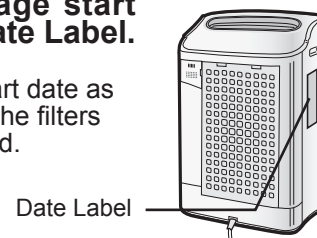


3 Gently push in the upper tabs (left and right) to lock in place.



4 Fill in the usage start date on the Date Label.

Use the usage start date as a guide for when the filters should be replaced.

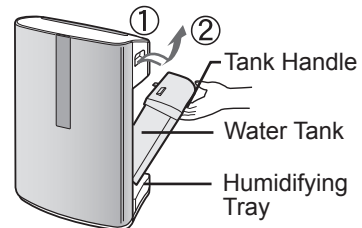




REFILLING THE WATER TANK

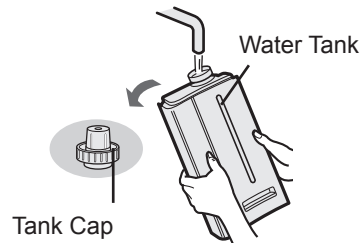
The unit can be used in the Clean Air Mode without putting water in the Water Tank. When using the Clean Air & Humidify Mode, or the CLEAN ION SHOWER Mode, the Water Tank should be filled with water.

1 Remove the Water Tank by unlatching the top.



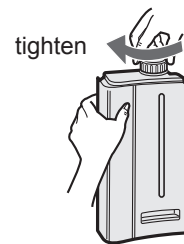
2 Remove the Water Tank Cap and carefully fill the Water Tank with tap water.

- Change the water in the Water Tank every day with fresh tap water.



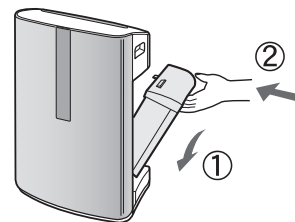
3 After filling, securely tighten the Tank Cap.

- Check to see that there is no water leaking.
- Be sure to wipe off any excess water on the outside of the Water Tank.
- When carrying the Water Tank, hold it with both hands so that the Water Tank opening is facing up.



4 Replace the Water Tank in the unit.

- The top latch will “click” in place when the Water Tank is properly installed.

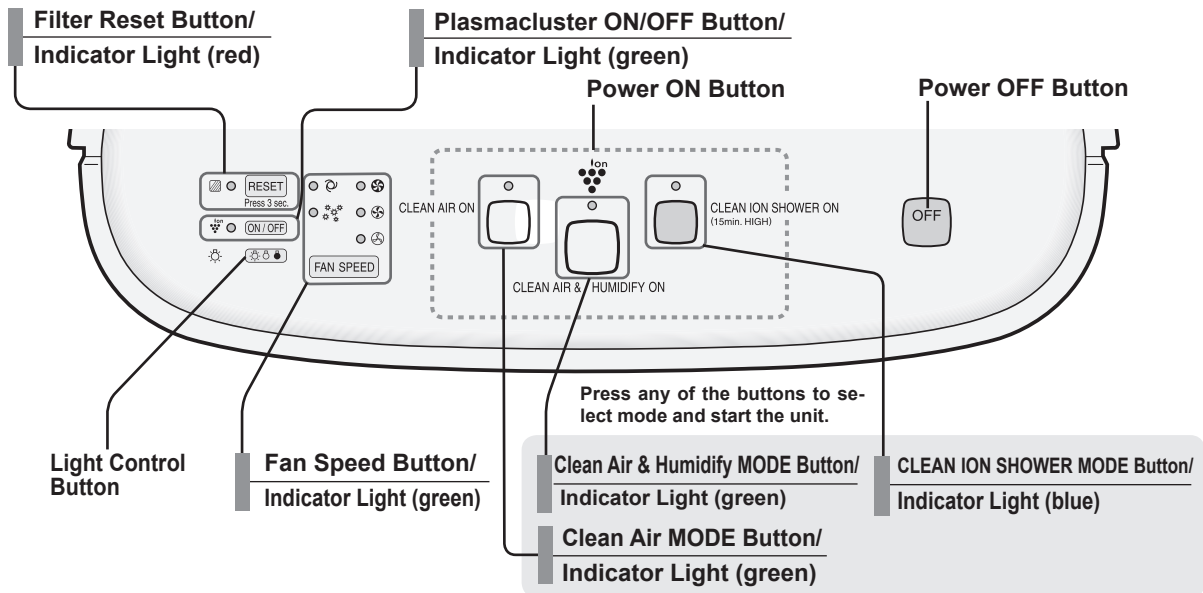


CAUTION

- Do not expose the unit to water. Short circuit and/or electrical shock may occur as a result.
- Do not use hot water (40 °C), chemical agents, aromatic substances, dirty water, or other damaging substances, deformation and/or malfunction may occur.
- Use only fresh tap water. Use of other water sources may promote the growth of mold, fungus and/or bacteria.

OPERATION

MAIN UNIT DISPLAY



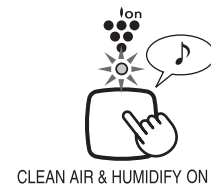
CLEAN AIR & HUMIDIFY MODE

Use the Clean Air & Humidify Mode to quickly clean the air, reduce odours and to humidify.

1 Fill Water Tank. (See E-7)

2 Press the **CLEAN AIR & HUMIDIFY MODE** Button.

- If the power cord was not unplugged between uses, the unit will automatically re-start at the previously selected settings.



3 Press the **FAN SPEED** Button to select the desired fan speed.

- Indicator lights will show the fan speed currently selected.



Press the Power OFF Button to turn the unit off.



About Automatic Humidify Mode

The Temperature/Humidity sensors automatically detect and adjust humidity according to changes in room temperature. Depending on the size and humidity of the room, humidity may not reach 55~65%. In such cases, it is recommended that CLEAN AIR & HUMIDIFY/MAX MODE be used.

Temperature	Humidity
~18 °C	65 %
18 °C~24 °C	60 %
24 °C~	55 %



CLEAN AIR MODE

Use the Clean Air Mode when additional humidity is not required.

- 1 Press the CLEAN AIR MODE Button on the display.**
 - If the power cord was not unplugged between uses, the unit will automatically re-start at the previously selected settings.



- 2 Press the FAN SPEED BUTTON to select the desired fan speed.**
 - Indicator lights will show the fan speed currently selected.



Press the Power OFF Button to turn the unit off.



ENGLISH

CLEAN ION SHOWER MODE

CLEAN ION SHOWER Mode with humidification releases high-density Plasmacluster ions. By continuously discharging strong airflow for 15 minutes, the unit effectively removes airborne dust, pollen, mold and allergens from the air as they are drawn through the filter system. Water must be in the Water Tank when this mode is selected.

The unit humidifies when there's water in the Water Tank, and it operates without humidifying when there's no water in it.

- 1 Press the CLEAN ION SHOWER MODE Button on the display to select this mode.**

When the operation finishes, the unit will return to the prior operation.



Press the Power OFF Button to turn the unit off.



Fan Speed Button

Please note the fan speed cannot be adjusted during the CLEAN ION SHOWER MODE.

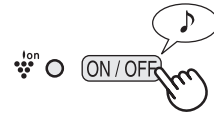
AUTO operation	The fan speed is automatically switched (between HIGH and LOW) depending on the amount of impurities in the air. The sensors detect impurities for efficient air purification.			
POLLEN mode operation	The unit will operate at High Level for 10 minutes, then will alternate between MEDIUM and HIGH. <table border="1" style="margin-left: 20px;"> <tr><td>10 minutes: High fan level</td></tr> <tr><td>20 minutes: Medium fan level</td></tr> <tr><td>20 minutes: High fan level</td></tr> </table>	10 minutes: High fan level	20 minutes: Medium fan level	20 minutes: High fan level
10 minutes: High fan level				
20 minutes: Medium fan level				
20 minutes: High fan level				
MAX operation	The unit will operate at maximum fan speed.			
MEDIUM operation	The unit will operate at medium fan speed.			
LOW operation	The unit will operate quietly using minimal air intake.			

*HIGH fan speed is an intermediate speed between MEDIUM and MAX.

OPERATION

Plasmacluster ON/OFF Button

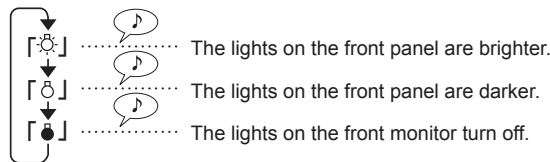
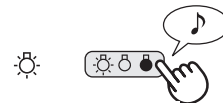
Press the Plasmacluster ON/OFF Button to turn Plasmacluster Ion Mode ON and OFF.
When Plasmacluster is ON, both the Indicator Light and Plasmacluster Indicator Light turn on.



LIGHTS CONTROL Button

Use when the light on the front panel is too bright.

Refer to the diagram on the right to select the desired brightness on the front panel.



CAUTION The lights on the front monitor are always brighter when starting.

WATER SUPPLY INDICATOR LIGHT

When the Water Tank is empty, the Water Supply Indicator Light will flash to indicate that the Water Tank should be refilled. **Please note the light will not flash even when the Water Tank is empty during the Clean Air Mode and the Clean ION SHOWER Mode.**

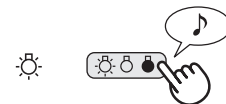


Sound indicator setting for water supply.

In addition to the Indicator Light, the unit can be set to signal with an audible beep when the Water Tank is empty. With the unit OFF, press the Lights Control button for 3 seconds to turn the audible signal ON.

Cancellation

To cancel the audible signal, with the unit OFF, press the Lights Control button again more than 3 seconds.



ADJUSTMENT OF SENSOR DETECTION SENSITIVITY

Set to "low" if the DUST MONITOR and ODOUR MONITOR is constantly red to reduce sensitivity, and set to "high" if the DUST MONITOR and ODOUR MONITOR is constantly green to increase sensitivity.

1 With the unit OFF, press the Fan Speed Button for 3 seconds.

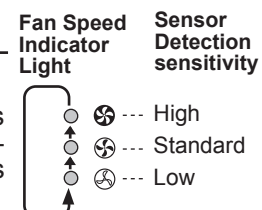
The Fan Speed Indicator Lights will display the currently set sensor sensitivity level. The factory setting is Standard, indicated by the MED light.

2 Press the Fan Speed Button to set the desired sensor sensitivity.

Refer to the diagram on the right to select the desired sensor sensitivity level.

3 Press the Power OFF Button.

Note that if the Power OFF Button is not pushed within 8 seconds of adjusting sensor sensitivity, the setting will be saved automatically. The sensor sensitivity setting will be saved even if the unit is unplugged.



CARE AND MAINTENANCE

To maintain optimum performance of this air purifier, please clean the unit including the sensor and filters periodically.
When cleaning the unit, be sure to first unplug the power cord, and never handle the plug with wet hands. Electrical shock and/or bodily injury may occur as a result.

FILTER INDICATOR LIGHT

Care Cycle After 720 hours of use
(30days × 24hours = 720)

The Filter Indicator Light will illuminate as a reminder to perform maintenance of the Back Panel, Sensors, and Humidifying Filter. The Indicator Light will turn on after approximately 720 hours of use.

After performing maintenance, reset the Filter Indicator. Plug the unit in, turn power ON, and press the RESET button for 3 seconds. The Filter Indicator Light will go off. Even if the Filter Indicator Light is already off, the RESET button should be pressed to reset the maintenance timer.



ENGLISH

BACK PANEL and SENSORS

Care Cycle Whenever dust accumulates on the unit or every 2 months

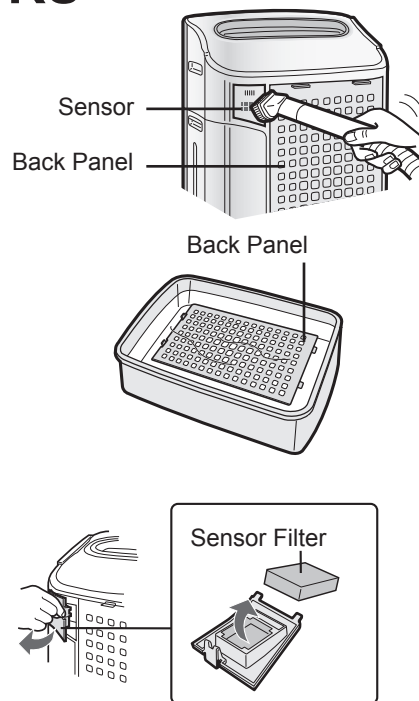
Gently remove dust from the sensor opening and the back panel, using a vacuum cleaner attachment or similar tool.

When the back panel has stubborn dirt

- 1 In case of oily dirt, soak the back panel in water with kitchen detergent. Avoid scrubbing the back panel hard when washing.
- 2 Rinse the back panel repeatedly with clean water to remove the solution residue.
- 3 Drip dry filter to remove excess water.

SENSOR FILTER CARE

Remove the sensor filter and tap it lightly over a sink or bin to dislodge dust. If it is very dirty, wash it gently with lukewarm water. **Do not use any detergents or chemicals of any kind to clean the filter.** Dry the filter completely before replacing in the unit. Do not operate unit without all filters properly installed.



UNIT

Care Cycle Whenever dust accumulates on the unit or every 2 months

To prevent dirt or stains on the unit, clean regularly. If stains are allowed to remain, they may become difficult to remove.

Wipe with a dry, soft cloth

For stubborn stains or dirt, use a soft cloth dampened with warm water.

Do not use volatile fluids

Benzene, paint thinner, polishing powder, may damage the surface.

Do not use detergents

Detergent ingredients may damage the unit.

CARE AND MAINTENANCE

WATER TANK

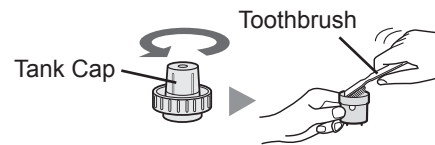
Care Cycle Every day when Humidifying

Rinse the inside of the tank by leaving a small amount of lukewarm water inside, closing the tank cap firmly, and shaking the tank. Mild household detergents may be used to clean the inside of the tank, but detergent should be diluted and the tank should be thoroughly rinsed to remove all detergent residue.

(Note the Water Tank is not dishwasher safe.)

TANK CAP CARE care cycle... once a month

The small cap back of the tank cap is removable. When the tank cap and small cap are dirty and slimy, cleaning is necessary. Use a cotton swab or a toothbrush.



WASHABLE DEODORIZING FILTER CARE

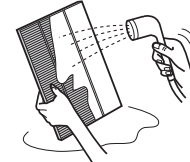
HAND WASH ONLY!
DO NOT DRY IN CLOTHES DRYER!

Care Cycle

When an unpleasant odour is noticed from the air outlet.
When performance of filter seems to be reduced and odours persist.

1 Rinse dirt from the WASHABLE DEODORIZING FILTER under lukewarm water.

Remove dust on the washable deodorizing filter before washing.



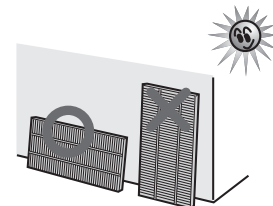
CAUTION

- When washing the filter for the first time, the rinse water may be brown. This does not affect deodorization performance.
- Avoid bending or folding the filter when washing.

2 Drip dry filter to remove excess water.

3 Dry filter completely in a well ventilated area. If possible, dry outdoors.

Dry filter in a sideways position to avoid warping of the filter. The filter takes about 6 hours to dry out.

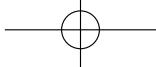


CAUTION

- Avoid drying filter outdoors during inclement weather (e.g. rain or cold temperatures).
Do not allow filter to freeze.
- If filter is dried indoors, take precautions, such as placing towels, etc under the filter to prevent water damage to the floor.

4 Replace the filter in unit. (See E-6).

Dry filter completely before replacing to prevent odours. Do not operate unit without all filters properly installed.



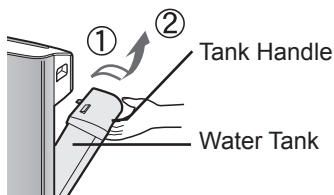
HUMIDIFYING TRAY

Care Cycle 1 month

Frequency of maintenance cycle will depend on the hardness of the water. Avoid spilling water when removing or cleaning the tray.

1 Remove the Water Tank and Humidifying Tray.

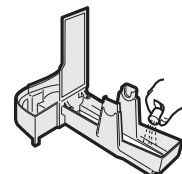
Unlatch the Water Tank first, then remove the tray. Use both hands when pulling out the Humidifying Tray to avoid spilling water.



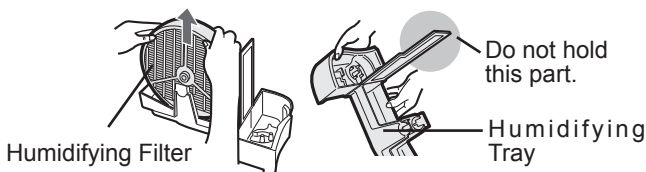
When Water Deposits are Difficult to Remove

1 Fill Humidifying Tray half-way with lukewarm water, add a small amount of mild kitchen detergent, and leave to soak for about 30 minutes.

Dilute detergent according to instructions on the container. Clean difficult-to-reach parts with a cotton swab or tooth brush.

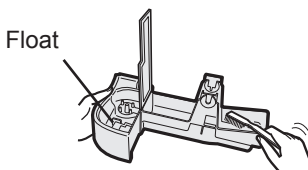


2 Remove the Humidifying Filter from the Humidifying Tray. Drain accumulated water by tilting the Humidifying Tray slowly.



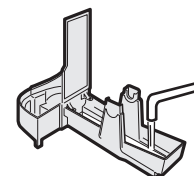
3 Rinse the inside of the Humidifying Tray with lukewarm water to remove impurities.

- Do not remove the Styrofoam float.
- Clean difficult-to-reach parts with a cotton-tipped swab or tooth brush.



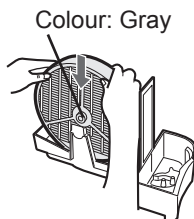
2 Rinse the Humidifying Tray with lukewarm water.

- Rinse until all detergent residue is removed.
- Inadequate rinsing may cause the detergent odour or changes in the shape/colour of the main unit.



4 Replace the Humidifying Filter and replace the Humidifying Tray in the unit.

The Humidifying Filter will not fit if placed in backwards. Be sure there is no gap between the Humidifying tray and the unit when the Humidifying Tray is replaced in the unit. The unit may not operate properly if the Humidifying Tray is not properly replaced in the unit.

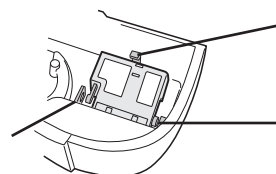


CAUTION

- Use only mild kitchen detergents to clean the Humidifying Tray. Use of non-designated chemicals or detergents can cause deformation, tarnishing, cracking (water leakage).

If the Styrofoam float comes off, replace by inserting the tabs of the Float into the holes in the Humidifying Tray as shown in the diagram.

- ② Insert the tab of the float into the hole.



- ① Insert the float below this tab.

- ③ Insert the tab on the other side of the float into the hole.

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CARE AND MAINTENANCE

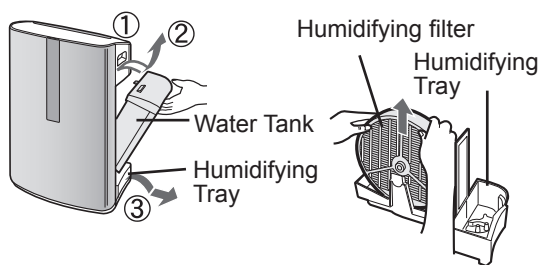
HUMIDIFYING FILTER

Care Cycle Once a month or when the Filter Indicator Light is on.

Frequency of maintenance cycle will depend on the hardness or the impurities of the water that you use; the harder the water the more often descaling will be necessary.

Pay attention not to spill water when cleaning the filter.

1 Remove the Water Tank and Humidifying Tray.



2 Remove the Humidifying Filter from the Humidifying Tray.

Avoid spilling water from the Humidifying Tray.

3 Preparing the descaling solution.

Citric acid, available at some drugstores, or 100 % bottled lemon juice are used for descaling. Choose either one to use, and prepare the descaling solution.

<For using citric acid>

Dissolve 3 teaspoons of citric acid and 2 1/2 cups of lukewarm water in a suitable container, and stir well.

<For using lemon juice>

100 % bottled lemon juice can be used for descaling. Use only 100 % bottled lemon juice with no pulp (strain juice if necessary). Combine 1/4 cup lemon juice and 3 cups of lukewarm water in a container large enough to hold the Humidifying Filter and stir well.

4 Pre-soak the Humidifying Filter in the solution for 30 minutes before cleaning.

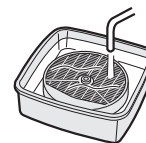
When using lemon juice, it is recommended to pre-soak longer than citric acid.



5 Rinse the Humidifying Filter repeatedly with lukewarm water to remove all the solution residue.

Inadequate rinsing may cause odour and affect the performance and/or appearance of the unit.

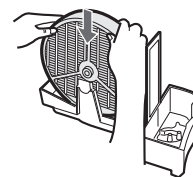
* Do not scrub the Humidifying Filter, rinse gently under lukewarm water only.



6 Attach the Humidifying Filter to the Humidifying Tray, and replace the Humidifying Tray in the unit.

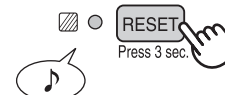
•The Humidifying Filter will not fit if placed in backwards. Be sure there is no gap between the Humidifying Tray and the unit when the Humidifying Tray is replaced in the unit. The unit may not operate properly if the Humidifying Tray is not properly replaced in the unit.

•When not using the unit for a long periods of time, dry the Humidifying Filter completely before replacing.



7 Plug in the unit, turn power ON, and press the Filter Reset Button on the display for more than 3 seconds to reset.

You may notice reddish-brown or white deposits forming on the surface of the Humidifying Filter. These impurities (calcium, etc.) are due to the impurities contained in tap water; this is not a defect. Replace the Humidifying Filter when it is covered completely in white deposits.





FILTER REPLACEMENT GUIDELINES

Filter life will vary depending on the room environment, usage, and location of the unit. If dust or odours persist, replace the filters.

(Refer to "Please read before operating your new Air Purifier")

Guide for filter replacement timing

HEPA Filter Up to 5 years after opening

Filter life can be greatly reduced depending on the room environment. Cigarette smoke, pet dander, and other airborne particles can reduce filter life. Check filters regularly and replace as necessary.

Washable Deodorizing Filter

The filter can be repeatedly used after washing, or it can be replaced.

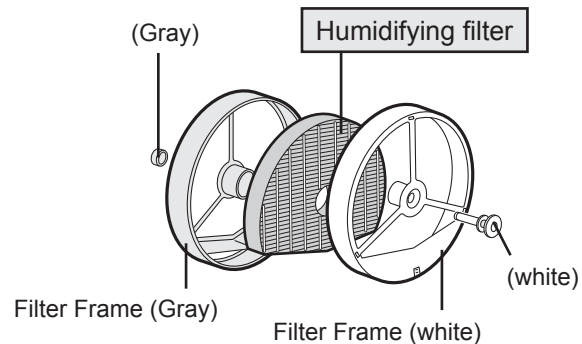
Humidifying Filter Up to 2 years after opening

Filter life can be greatly reduced depending on the room environment. Even if 2 years have not passed, replace the Humidifying Filter if you notice the following:

- Mineral deposits (white, black, or red masses) which are not removed after cleaning or the Humidifying Filter is still dirty.
- Filter is severely damaged or warped.

Replacement Filters

- HEPA Filter: 1unit
Model FZ-C150HFE (for KC-860E)
FZ-C100HFE (for KC-850E)
FZ-C70HFE (for KC-840E)
- Washable Deodorizing Filter: 1unit
Model FZ-C150DFE (for KC-860E)
FZ-C100DFE (for KC-850E)
FZ-C70DFE (for KC-840E)
- Humidifying Filter: 1unit
Model FZ-C100MFE



Replacing the Filters

1. Replace filters according to the instructions provided with the replacement filters.
2. Use the date labels as a reminder for when the filters should be replaced.

Disposal of Filters

Please dispose of used filters according to any local laws and regulations.

HEPA Filter materials:

- Filter: Polypropylene • Frame: Polyester

Washable Deodorizing Filter materials:

- Polyester, Rayon, Activated charcoal

Humidifying Filter materials:

- Rayon, Polyester

TROUBLESHOOTING

Before calling for service, please review the Troubleshooting chart below, since the problem may not be a unit malfunction.

SYMPTOM	REMEDY (not a malfunction)
Odours and smoke are not removed.	<ul style="list-style-type: none"> • Clean or replace the filters if they appear to be heavily soiled. (See E-11,E-12,E-14)
The Front Monitor illuminates green even when the air is impure.	<ul style="list-style-type: none"> • The air could be impure at the time the unit was plugged in. Unplug the unit, wait one minute, and plug the unit in again.
The Front Monitor illuminates orange or red even when the air is clean.	<ul style="list-style-type: none"> • Sensor operation is affected if the dust sensor openings are dirty or clogged. Gently clean the dust sensors (See E-11).
A clicking or ticking sound is heard from the unit.	<ul style="list-style-type: none"> • Clicking or ticking sounds may be audible when the unit is generating ions.
The discharged air has an odour.	<ul style="list-style-type: none"> • Check to see if the filters are heavily soiled. • Clean or replace the filters. • Plasmacluster Air Purifiers emit small traces of ozone which may produce an odour.
The unit does not operate when cigarette smoke is in the air.	<ul style="list-style-type: none"> • Is the unit installed in a location that is difficult for the sensor to detect cigarette smoke? • Are the dust sensor openings blocked or clogged? (In this case, clean the openings.) (See E-11)
Filter Indicator Light is illuminated.	<ul style="list-style-type: none"> • After replacing filters, connect the power cord to an outlet and press the Filter Reset Button. (See E-11)
The Front Monitor are turned off.	<ul style="list-style-type: none"> • Check to see if the Lights OFF Mode selected. If so, then press the Lights Control Button to activate the indicator lights. (See E-10)
The Water Supply Indicator Light does not illuminate when the tank is empty.	<ul style="list-style-type: none"> • Check Styrofoam float for impurities. Clean the Humidifying-Tray. Ensure unit is located on a level surface.
Water lever in the tank does not decrease or decreases slowly.	<ul style="list-style-type: none"> • Check to see if the Humidifying Tray and Water Tank are correctly installed. Check the Humidifying Filter. • Clean or replace the filter when it is heavily soiled (See E-14 and E-15).
The Front Monitor lights change colour frequently.	<ul style="list-style-type: none"> • The Front Monitor lights automatically change colours as impurities are detected by the dust sensor and odour sensor.

ERROR DISPLAY

KC-850E•KC-860E

If error occurs again, contact the Sharp Service Centre.

DIGITAL INDICATION	LAMP INDICATION	ERROR DETAILS	REMEDY
E2	Flashing of the Clean Air & Humidify Indicator Light.	Abnormal humidity filter	Verify if the Humidifying Filter, Humidifying Tray and Water Tank are properly installed and then turn power ON again.
C1	Flashing of the Fan Speed Indicator Light '⊕'.	Abnormal fan motor	Turn power OFF to cancel the error display, wait one minute, and then turn power ON.
C3	—	Abnormal temperature-humidity sensor	Unplug the unit, wait one minute, and plug the unit in again.
C4	—		
C5	Flashing of the Clean Ion Shower Indicator Light.	Problem in circuit board	
C6	Flashing of the Clean Air Indicator Light.		
C7	Flashing of the Fan Speed Indicator Light '⊕'.		
C8	Flashing of the Fan Speed Indicator Light '⊕'.		

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KC-840E

LAMP INDICATION	ERROR DETAILS	REMEDY
Flashing of the Clean Air & Humidify Indicator Light.	Abnormal humidity filter	Verify if the Humidifying Filter, Humidifying Tray and Water Tank are properly installed and then turn power ON again.
Flashing of the Fan Speed Indicator Light '⊕'.	Abnormal fan motor	Turn power OFF to cancel the error display, wait one minute, and then turn power ON.
Flashing of the Humidity Indicator Light 'High' or 'Low'.	Abnormal temperature-humidity sensor	Unplug the unit, wait one minute, and plug the unit in again.
Flashing of the Clean Ion Shower Indicator Light.	Problem in circuit board	
Flashing of the Clean Air Indicator Light.		
Flashing of the Fan Speed Indicator Light '⊕'.		
Flashing of the Fan Speed Indicator Light '⊕'.		

SPECIFICATIONS

Model		KC-860E					KC-850E					KC-840E				
Power supply		220 ~ 240 V 50/60 Hz														
Fan Speed Adjustment		MAX	MED	LOW	MAX	MED	LOW	MAX	MED	LOW	MAX	MED	LOW	MAX	MED	LOW
CLEAN AIR	Fan Speed (m ³ /hour)	396	240	84	306	168	60	306	168	60	306	168	60	210	132	48
	Rated Power (W)	56	19	5.5 (4.9)	41	11.6	3.8 (3.3)	41	11.6	3.8 (3.3)	26	9.5	3.7 (3.4)	26	9.5	3.7 (3.4)
	Noise Level (dBA)	51	39	17	47	35	15	47	35	15	45	34	15	45	34	15
CLEAN AIR & HUMIDIFY	Fan Speed (m ³ /hour)	396	240	120	288	168	84	288	168	84	186	132	54	186	132	54
	Rated Power (W)	56	21	8.8 (8.2)	40	13.5	6.8 (6.3)	40	13.5	6.8 (6.3)	21	11.5	6.1 (5.8)	21	11.5	6.1 (5.8)
	Noise Level (dBA)	50	39	25	47	35	22	47	35	22	42	34	20	42	34	20
Humidification (mL/hour)*2		730	500	300	600	400	230	600	400	230	450	330	170	450	330	170
Recommended Room Size (m ²)*1		~48														
Water Tank Capacity (L)		4.3														
Sensors		Dust/odour/Temperature & Humidity														
Filter type		HEPA with Microbial control *3														
Deodorization		Washable Deodorizing														
Cord Length (m)		2.0														
Dimensions (mm)		398 (W) × 288 (D) × 627 (H)					378 (W) × 265 (D) × 586 (H)					360 (W) × 233 (D) × 550 (H)				
Weight (kg)		11.0					9.0					8.0				

- *1 • The Recommended Room Size is appropriate for operating the unit of maximum fan speed.
- *2 • The Recommended Room Size area indicates the space where a certain amount of dust particles can be removed in 30 minutes.
- Humidification Amount changes in accordance with indoor and outdoor temperature and humidity.
- Humidification Amount increases as temperatures rise or humidity decreases.
- Humidification Amount decreases as temperatures decrease or humidity rises.
- Measurement Condition: 20 °C, 30 % humidity (JEM1426)
- *3 • The class of the HEPA filter by EN1822 is H10.

Standby Power

In order to operate the electrical circuits while the power plug is inserted in the wall outlet, this product consumes about 0.7 W of standby power.
For energy conservation, unplug the power cord when the unit is not in use.