

Clean Air Optima electronic dehumidifier CA-703

Manual



Read these instructions carefully before you start using the dehumidifier and keep the manual for later usage.

Introduction

Clean Air Optima wishes to thank you for purchasing this unique dehumidifier with integrated ionizer, UV LED lights and a photocatalytic filter for air purification.

The unique design of the **CA-703** combines important features such as effective air dehumidification with powerful air purification, elegant design, high functionality and sustainability.

Technical Diagram

Clean Air Optima CA-703



1. Air outlet/ionizer/UV LED lights
2. LED indicators
3. Photocatalytic filter
4. Water tank
5. Adapter

Before use

Features

Effective dehumidification and purification of indoor air in six steps:

1. **Aspiration** of humid and polluted indoor air through a silent and powerful fan with ball-bearings.
2. **Peltier elements** along which humid air is conducted. **Humidity condensates** and is caught in a tank of a volume of 2 litres.
3. **Ionizer** capacity >3.000.000 negative ions/cm³ purifies and refreshes indoor air.
4. **UV (ultraviolet)** light eliminates bacteria, mold, fungal spores and viruses.
5. **Photocatalytic filter / UV light** are capable of eliminating bad smells, bacteria and viruses.
6. **Antibacterial material** incorporated into the lightweight body of the device. Fresh and clean air flows indoors.

Ideal for rooms up to 160ft² / 20m² / 50m³.

Warning

Take the following steps to minimize the risk of personal injury caused by electric shocks or fire for example.

1. Use the device only indoors. Temperature application range: above 15°C, above 40% relative humidity. Working temperature 0 - 45° C.
2. Pull the plug when you do not use the device or when you clean internal or external parts of it.
3. Use, maintain and clean the device as described in this manual.
4. Do not use the device when there is visible damage on the plug or on the device itself. Do not repair the device yourself in case of damage.
5. Make sure that the air outlets are always free, clean up dust, hair and other obstruction for the airflow and at the air outlets.
6. Keep your hair, clothes, jewels or fingers away from the air outlets.
7. Do not stick sharp objects through the grid as it can result in failures or electric shocks.
8. Do not use the device in rooms where inflammable liquids or gases are stored or close to heat sources.
9. Bring discarded devices to the appropriate collecting points.
10. Prevent children from opening the device. The device is not a toy. Children may only use the device under the surveillance of an adult.
11. Do not clean the device with a vacuum cleaner.
12. Just like other ionization devices, this dehumidifier produces very small amounts of ozone (< 0, 05 particles per million). This substance can also naturally be found in the atmosphere and the levels reached by the CA-703 do not harm human health. If you are worried please consult your doctor.

Usage

Placement

1. Position the device on stable and even ground.
2. For the air to flow correctly the device needs to be placed 40 cm from the walls and the furniture.
3. Make sure that the air outlets are not blocked.
4. Connect the included AC adapter to the back of the device before plugging in.
5. Do never pull up the device by its loose parts.

Operation

1. Make sure that the photocatalytic filter (on the top of the device) and the water tank (at the back of the device) are installed and fixed correctly.
2. Use the on/off (power) button at the back of the device to switch it on. The LEDs (**Power** and **UV/ION**) will lighten up. There will be air coming out of the upper part (air outlet). This is fresh and dehumidified air. A blue glow at the upper side of the device shows that the UV LEDs are working correctly.
3. Push the on/off button (power) again to switch off the device.
4. When the water tank of the device is not installed correctly, it will not turn off automatically. Click the water tank into place before turning the device on again.
5. When the water tank is full, the device turns off automatically and the LED light **FULL** lightens up. This shows you that you need to empty the water tank. Pull the tank out of the device and let the water flow out of the tank. After you have clicked the empty tank back into place, the dehumidifier turns on automatically and the LED light **FULL** is off.

Cleaning and maintenance

Outside cleaning

1. Switch off the device and pull the plug.
2. Use a soft, light and humid cloth to clean the device from dirt and dust.

No need for spare parts!

The incorporated permanent UV LEDs have a service life of 20.000 hours. The permanent photocatalytic filter is located at the top of the device under the handle and it can be pushed out of the device sideways. The photocatalytic filter needs to be cleaned once a week by brushing it (carefully).

If you use the device continuously (25 hours/day) and under normal circumstances, we advise to clean accumulated dust once a week from the air in- and outlets and also from the inside of the device. The outside of the device should be regularly cleaned with a humid cloth.

If you do not use the dehumidifier for a longer period of time, we advise to clean the device and let dry all the wet pieces well. Store the device in a cold and dry location.



Ask your retailer or your municipality for current information regarding the disposal of packaging and old devices.

Technical specifications

Clean Air Optima electronic dehumidifier CA-703, with integrated ionizer, UV LED and photocatalytic filter

- **Technology:** dehumidification with Peltier elements, air purification with ionizer, UV LED and photocatalytic filter
- Ideal for rooms up to: 160ft²/ 20m² / 50m³
- Automatic program to dehumidify and purify indoor air
- Dehumidifying capacity: 0, 25 litres/day (30° C, 80% relative humidity)
- Application range: above 40% relative humidity.
- Operating temperature 0-45 °C
- Connection: Adapter DC 12V, 6 Ampere
- Power consumption: 60 Watt
- Ionizer capacity: 3.000.000 negative ions/ cm³
- Active oxygen: < 0,04 ppm
- Air passage: ± 45 m³/h
- Water tank: 2 litres
- Stops automatically when tank full: yes, with LED signal
- Automatic restart: yes
- Color: White display black with LED, "Power – UV/Ion – Full"
- Size: Height 309 x 194 x 135 mm
- Weight (empty): 2,2 kg

Service

Guarantee

Clean Air Optima guarantees that your dehumidifier will work for 2 years without material or manufacturing defects after the first purchase. If there are material or manufacturing defects, Clean Air Optima shall repair them or provide you with a substitute equipped with the same or better features. Damages to the device that are caused by careless use, accidents, abuse, lack of cleaning and maintenance or other forms of handling the device which are not described in this manual do not fall under this guarantee. Moreover legal provisions concerning consumer sales are entering into force. In case of device failure, we advise to return it together with the original receipt and a short description of the deficiency. Please contact your retailer or Clean Air Optima if possible. If the problem is not a material or manufacturing defect, inquiry and repairing costs can be charged.

Contact

Clean Air Optima International B.V.

David Ricardostraat 9-9

7559 SH Hengelo (ov)

The Netherlands

info@cleanairoptima.com

www.cleanairoptima.com

Clean Air
Optima®