

# Owner's Manual

EC220W Evaporative  
Cooler

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## Introduction

Thank you for purchasing this evaporative cooler from Luma Comfort, the world leader in home appliances and home comfort products.

This owner's manual provides specific operating instructions for your evaporative cooler. Use the evaporative cooler only as instructed in this owner's manual.

## Product Benefits

- Designed to cool larger areas such as warehouses, factories, patios, athletic fields and more
- High-efficiency, rigid cooling pads hold more water
- Air vents with cooling pads on 3 sides of the unit for more cooling power
- Can connect directly to a standard garden hose for continuous water supply
- Powerful motor results in more powerful airflow, faster evaporation and cooler air
- Eco-friendly evaporative cooling system cools the air by the natural process of evaporating water with no Freon or harmful chemicals
- Adds moisture to dry environments and eliminates airborne dust particles
- Covers up to 650 square feet

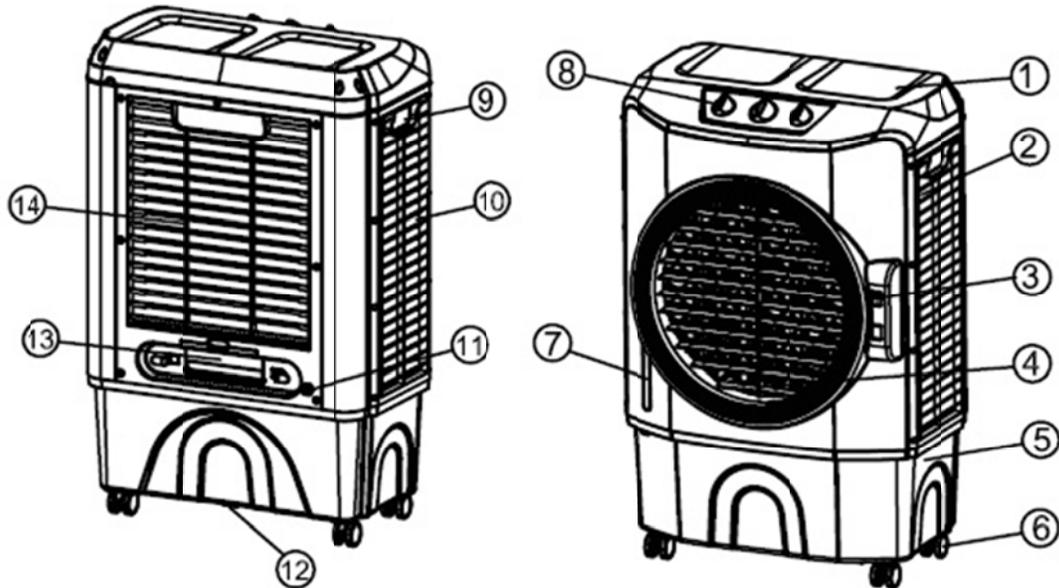
## Important Safety Information

These instructions are not meant to cover every possible condition and situation that may occur. Please read all instructions before using this evaporative cooler. Failure to carefully read all instructions may result in possible electric shock or fire hazard, and will void the manufacturer's warranty.

1. Use this evaporative cooler only as instructed in this owner's manual. Other uses may cause electric shock, injury or fire.
2. Close supervision is required if this cooler is used near children or pets.
3. To protect against electric shock, do not immerse this cooler or its plug and cord in water.
4. If the cooler is being transported or will not be in use, disconnect it from the power supply by tightly gripping the plug and pulling it from the power outlet. Do not disconnect the power supply by pulling on the evaporative cooler's power cord.
5. Avoid contact with any of the evaporative cooler's moving parts.
6. Place the evaporative cooler on a level surface.
7. This evaporative cooler is intended to fit into a matching receptacle. Under no circumstances should the plug be altered in any way. An improper connection can result in electric shock.
8. If possible, avoid using extension cords with this evaporative cooler. If an extension cord is absolutely necessary, do not use more than one extension cord to operate more than one cooler.
9. Do not insert objects or allow fingers to enter into the cooler's grills, as this may cause electric shock or bodily injury. Do not block or tamper with the evaporative cooler while it is in operation.
10. Do not run the power cord under mats or carpeting, and do not cover the power cord with runners. Arrange the power cord away from room traffic and where it can be tripped over.
11. Do not operate this evaporative cooler in the presence of flammable substances or explosives.
12. Do not place the cooler near an open flame or cooking/heating appliances.
13. This product is not intended for use in wet or damp areas.
14. If the evaporative cooler will not be in use, empty the tank of any remaining water.
15. If the cooler's plug or power cord is damaged, do not attempt to repair the components yourself. Please contact Luma Comfort's customer service hotline at 1-866-737-6390 or have the unit examined by an authorized service provider.

**SAVE THESE INSTRUCTIONS**

## Parts List



1. Top panel
2. Right panel
3. Louver lever
4. Air louvers
5. Water tank
6. Caster
7. Water level indicator

8. Control panel
9. Carrying handle
10. Left panel
11. Continuous water inlet
12. Drain plug
13. Water inlet
14. Back panel

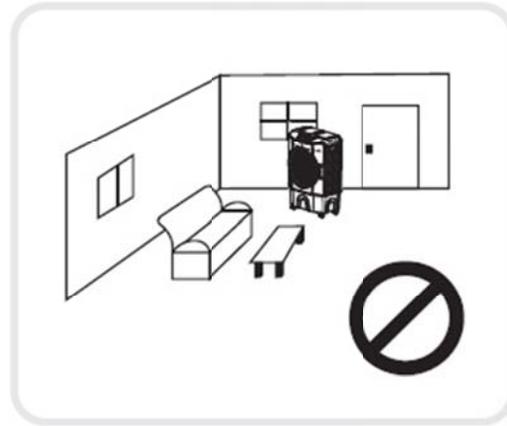
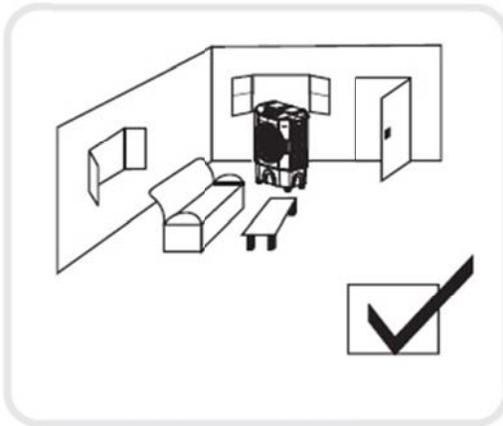
## The Control Panel



## Before Using Your Evaporative Cooler

The Luma Comfort EC220W works as an evaporative cooler, humidifier and air cleaner in one. To achieve the best cooling effect from your cooler, please follow these suggestions:

- Unlike air conditioners, evaporative coolers work best in areas with a fresh air supply. If using the unit indoors, place it near an open window or the leave the door to the room open. You can also open another window or door on the opposite side of the room to create a “flow through” cooling effect.
- Turn on your evaporative cooler before the ambient temperature reaches excessively high levels. Due to the low operating costs of the unit, it is very cost effective to leave the cooler running for extended periods.
- Add cold water to the tank. Ice can also be added for an enhanced cooling effect. After adjusting the **COOLER** dial, the unit’s high-efficiency cooling pads will become damp. Air is then drawn through the rear panel and over the pads to release cool, clean air. Please note that it may take a few minutes for the cooling pads to become fully saturated with water.
- If the humidity levels in your environment increase, the EC220W can also be used as a cooling fan. Simply turn the unit on but do not adjust the **COOLER** dial.



## Operating Instructions

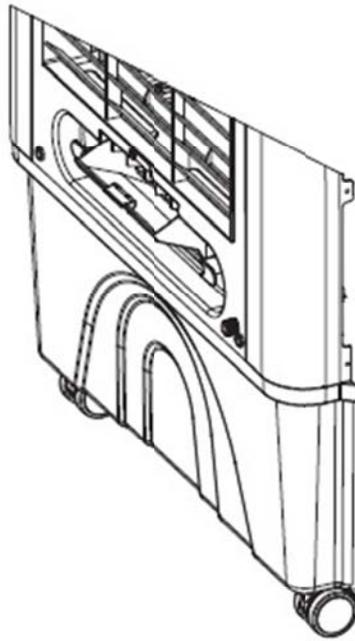
Carefully remove all packaging materials and retain for future storage/use. Make sure there is no residual foam left in any of the components. No tools will be required to assemble this evaporative cooler.

- a. Choose a suitable location for your evaporative cooler. This product works best in areas with a fresh air supply.
- b. Fill the water tank with clean water through the water inlet. Ice cubes may also be used for added cooling.
- c. Connect the unit to a power supply and turn the **SPEED** dial. The fan will start.
- d. To begin cooling, turn the **COOLER** dial to the **ON** position. To experience the full cooling effect, wait a few minutes for the cooling pads to become fully saturated with water.
- e. Periodically check the water level on the water level indicator. If the water tank is running low on water, turn the **COOLER** dial to the **OFF** position and add more water/ice.
- f. To turn the unit off, turn the **COOLER** dial to the **OFF** position and the **SPEED** dial to the **OFF** position. If the unit will not be used for an extended period of time, empty the water tank by unplugging the drain plug located on the back of the evaporative cooler.

### **Refilling the Water Tank**

The water tank can be refilled by using one of these three methods:

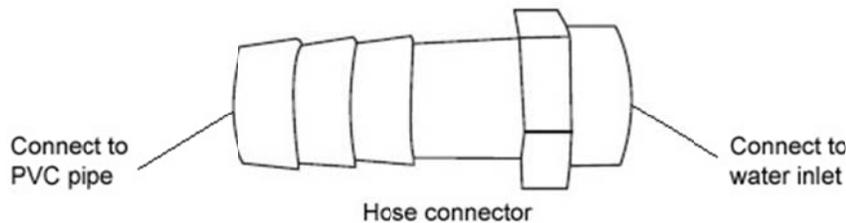
- **Manual:** Fill the water tank by pouring water into the tank from the back of the cooler through the water inlet.
- **Through the Water/Ice Compartment:** Water and/or ice can be put into the tank through the top opening. There is an internal opening for water to flow into the tank.
- **Continuous:** The tank can be filled continuously by connecting a garden hose to the continuous water supply inlet/hose connector.



Water / ice compartment

### **Installing the Hose Connector**

- To continuously fill the water tank with water using a garden hose, screw the larger end of the supplied hose connector to the continuous water inlet. Ensure the connector is securely connected.
- Fully insert the small PVC pipe all the way into the narrow end of the hose connector. There should be approximately 0.5" of the PVC pipe extending out of the hose connector. Attach a garden hose to the PVC pipe and clamp the two together using the metal clamp.



### **Adjusting the Air Louvers**

- To adjust the air louvers, turn the **SWING** dial to the **ON** position. The air louvers will automatically move horizontally, improving the distribution of cooled air throughout your room.
- To turn off the automatic swinging function, turn the **SWING** dial to the OFF position.
- You can also adjust the vertical direction of the air louvers by manually adjusting them.

## Maintenance

Regular cleaning and maintenance is an essential step in maintaining the longevity of your evaporative cooler and ensuring that it operates free of defects. Maintain your evaporative cooler by following these steps:

- Always unplug the evaporative cooler from the power supply before servicing or cleaning.
- Use a soft cloth and a mild soap and warm water solution to clean the unit's exterior. Do not use harsh cleaners, gasoline, paint thinner, benzene, etc., as these substances can damage the evaporative cooler.
- Thoroughly dry all of the cooler's parts with a soft cloth before reconnecting the unit to the power supply.
- Empty the water tank after the evaporative cooler has been in use.
- If the evaporative cooler will not be in use for an extended period of time, place the unit back in its original carton and keep it stored in a clean, dry place.
- To clean the cooling pads of any debris or dust, remove the pads from the panels and rinse them with clean water. Allow them to thoroughly air dry before placing them back into the unit.

## Troubleshooting

Problem	Possible Cause(s)	Possible Solution
There is no airflow.	The power cord is not plugged in.	Check to make sure the plug is plugged into an outlet.
The unit does not cool.	There is insufficient water in the tank. The unit is not in cooling mode. The pump is defective.	Check the water level in the tank and make sure there is enough water. Turn the <b>COOLER</b> dial. Contact customer service if there is an issue with the water pump.
The unit does not produce sufficient cooling.	The cooling pad is not sufficiently saturated with water.	Allow the cooling pads to become fully saturated with water. This may take a few minutes.
Water is coming out of the air louvers.	The cooling pads may be clogged with debris.	Clean the cooling pads by rinsing them in water and allowing them to thoroughly dry. If the problem persists, contact customer service.

## Technical Support

Luma Comfort is committed to providing a premier service experience. If you are experiencing any technical issues with your product related to either setup or operation, please contact our product support team at 1-866-737-6390 or [support@lumacomfort.com](mailto:support@lumacomfort.com).

## Product Specifications

<b>Model:</b>	EC220W
<b>Product Dimensions:</b>	27.4" x 17.2" x 41.3"
<b>Product Weight:</b>	41.9 pounds
<b>Voltage:</b>	110V-120V
<b>Wattage:</b>	220W
<b>Coverage Area:</b>	Up to 650 square feet
<b>Tank Size:</b>	10.6 gallons
<b>Fan Speeds:</b>	3
<b>Noise Level (dB):</b>	68
<b>Airflow:</b>	1650 CFM
<b>Oscillation:</b>	Yes
<b>Warranty:</b>	1 year manufacturer's warranty

## Warranty

Luma Comfort products are warranted to be free from defects in workmanship or materials for one (1) year from the date of purchase. If the product is found to be defective within this period, Luma Comfort, at its sole option, will repair or replace any components that fail during normal operation. The repairs or replacement will be made at no charge to the customer for parts and labor, assuming that the customer shall be responsible for all transportation costs to and from Luma Comfort.

Luma Comfort retains the right to repair or replace (with a new or newly-refurbished replacement product) the appliance at its sole discretion.

This warranty does NOT apply to the following:

- Products without a proof of purchase
- Products purchased from a source other than an authorized Luma Comfort dealer
- Cosmetic damage such as scratches or dents
- Damage caused by service performed by anyone who is not an authorized service provider of Luma Comfort
- Damage in transit
- Damage caused by accident, abuse, misuse, water, flood, fire, improper installation, maintenance negligence, commercial use for a non-commercial unit, acts of God or any other acts of nature or external causes
- Damage to a product caused by modifications or alterations without the written permission of Luma Comfort
- Normal wear and tear of parts that are designed to be replaced, such as filters or batteries
- Power failure and improper power supply such as low voltage, defective wiring or inadequate fuses
- Use of force or damage caused by external influences
- Complete or partially dismantled appliances

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES EXPRESS, IMPLIED, OR STATUTORY, INCLUDING ANY LIABILITY ARISING UNDER ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE.

IN NO EVENT SHALL LUMA COMFORT BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT OR FROM DEFECTS IN THE PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

If you believe your product is defective, contact Luma Comfort for warranty service at 1-866-737-6390 or [support@lumacomfort.com](mailto:support@lumacomfort.com). In your correspondence with Luma Comfort, please describe the problem and request a return material authorization (RMA) number. You will also need to provide the proof of purchase, return shipping address and a daytime phone number.

After a Luma Comfort representative confirms that your product is defective and is still under warranty, you will receive an RMA and return shipping instructions. Products sent to our headquarters without an RMA will be refused.