

Because you're not like everyone else.

**luma** ●●●™  
comfort



**EVAPORATIVE COOLER**  
**EC220W**  
**OWNER'S MANUAL**

Manual v1.1

## BECAUSE YOU'RE NOT LIKE EVERYONE ELSE

And neither are we. Always at the forefront of our industry, our goal is to offer the best quality product and consumer value on the market. Our team is constantly pushing the boundaries of innovation and design to create exceptional products to help you achieve a more comfortable living or work space.

Our goal is to ensure that every Luma Comfort customer is 100% satisfied with their product. If you have any questions or concerns regarding your product, or if you would simply like to share an idea with us, please feel free to contact us.

### Contact Us:

For questions regarding your product, please contact us at:

**Call:** 1-855-963-9247  
**Email:** [support@lumacomfort.com](mailto:support@lumacomfort.com)  
**Online:** [www.lumacomfort.com](http://www.lumacomfort.com)

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SAVE THESE INSTRUCTIONS

## REGISTER YOUR PRODUCT ONLINE

### Register Your Luma Comfort Product Online Today!

Take advantage of all the benefits product registration has to offer:



#### Service and Support

Diagnose troubleshooting and service issues faster and more accurately



#### Recall Notifications

Stay up to date for safety, system updates and recall notifications



#### Special Promotions

Opt-in for NewAir promotions and offers

Registering your product information online is safe & secure and takes less than 2 minutes to complete:

[Register.LumaComfort.com](https://www.Register.LumaComfort.com)

Alternatively, we recommend you attach a copy of your sales receipt below and record the following information, located on the manufacturer's nameplate on the rear of the unit. You will need this information if it becomes necessary to contact the manufacturer for service inquiries.

**Date of Purchase:** \_\_\_\_\_



**Serial Number:** \_\_\_\_\_

**Model Number:** \_\_\_\_\_

## ● ● ● 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 and do not use a single 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 or 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. 

## ● ● ● GET TO KNOW YOUR EVAPORATIVE COOLER

### PRODUCT BENEFITS

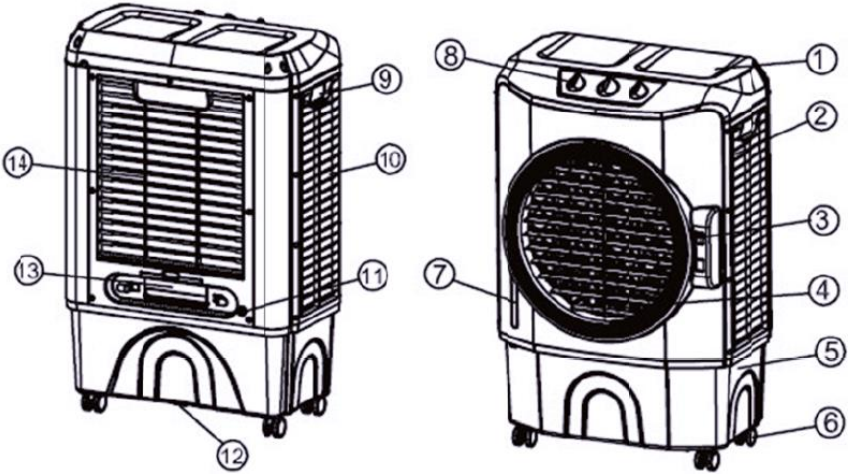
- Designed to cool larger areas such as warehouses, factories, patios, athletic fields and more
- High-efficiency, rigid cooling pads hold more water
- Air vents with cooling pads on 3 sides of the unit for more cooling power
- Can connect directly to a standard garden hose for continuous water supply
- 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 refrigerant or harmful chemicals
- Adds moisture to dry environments and eliminates airborne dust particles
- Covers up to 650 square feet

### PARTS LIST

Check to insure the following parts are included with your product:

- Evaporative cooler
- Hose connector
- PVC pipe
- Metal clamp

## PARTS DIAGRAM



- |                 |                          |                            |
|-----------------|--------------------------|----------------------------|
| 1. Top Panel    | 6. Caster                | 10. Left Panel             |
| 2. Right Panel  | 7. Water level indicator | 11. Continuous water inlet |
| 3. Louver lever | 8. Control panel         | 12. Drain plug             |
| 4. Air louvers  | 9. Carrying handle       | 13. Water inlet            |
| 5. Water tank   |                          | 14. Back panel             |

## THE CONTROL PANEL

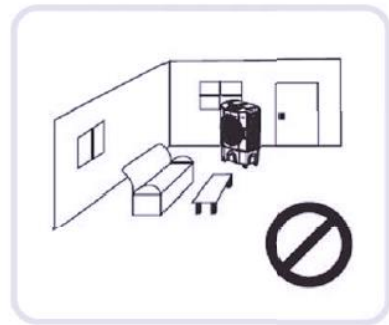
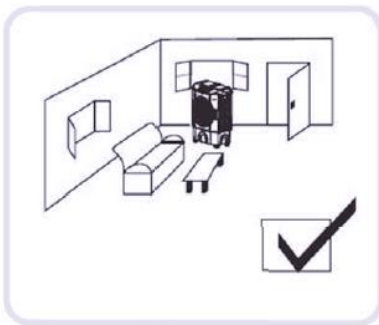


## ●●● OPERATING INSTRUCTIONS

### BEFORE USING YOUR EVAPORATIVE COOLER

The Luma Comfort EC220W works as an evaporative cooler, humidifier, and air purifier in one unit. 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 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 fan to circulate the air. Simply turn on the unit but do not adjust the COOLER dial.



## SET UP AND OPERATION

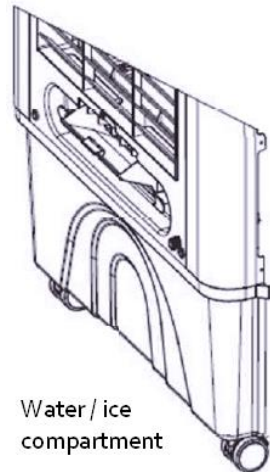
Carefully remove all packaging materials and retain for future storage/use. Make sure there is no residual foam left in any of the components. No tools will be required to assemble this evaporative cooler.

1. Choose a suitable location for your evaporative cooler. This product works best in areas with a fresh air supply.
2. Fill the water tank with clean water through the water inlet. Ice cubes may also be used for added cooling. Ensure that the casters are locked with the lever fully up. This is so the casters can support the weight of the unit.
3. Connect the unit to a power supply and turn the SPEED dial. The fan will start.
4. 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.
5. 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.
6. 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 methods:

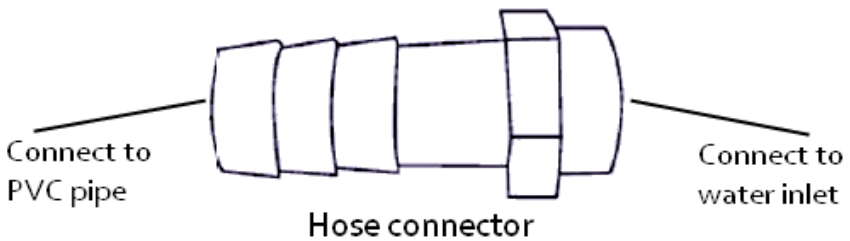
- **Manual:** Fill the water tank by pouring water into the tank from the back of the cooler through the water inlet.
- **Continuous:** The tank can be filled continuously by connecting a garden hose to the continuous water supply inlet/hose connector.



Water / ice  
compartment

## INSTALLING THE HOSE CONNECTOR

1. 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.
2. 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

1. 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 space.
2. To turn off the automatic swinging function, turn the SWING dial to the OFF position.
3. You can also adjust the vertical direction of the air louvers by manually adjusting them.

## ● ● ● MAINTENANCE

Always unplug the evaporative cooler from the power supply before servicing or cleaning.

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:

### EXTERIOR CLEANING

1. Use a soft cloth and a solution of mild soap and warm water to clean the unit's exterior. Do not use harsh cleaners, gasoline, paint thinner, benzene, etc., as these substances can damage the evaporative cooler.
2. Thoroughly dry all of the cooler's parts with a soft cloth before reconnecting the unit to the power supply.

### CLEANING THE COOLING PADS

To prevent the cooling pads from becoming clogged with dust, mineral deposits and other buildup, we recommend that they be cleaned at least once a month.

1. To remove the cooling pads, use a Philips screwdriver to remove the side and rear panels.
2. Rinse the pads with clean water to remove dust. For a more thorough cleaning, use a diluted vinegar solution to wash the pad. If necessary, immerse the pad in the diluted vinegar solution for 30 seconds to remove hard water buildup. Be sure to rinse the pad thoroughly with clear water to remove vinegar residue.
3. Allow the filter and the cooling pad to air dry completely before replacing them in the unit. Secure the panels with the screws.

## WATER TANK CLEANING

The water tank should be emptied regularly to ensure hygienic use. To empty the tank:

1. Remove the back panel and cooling pad to provide access to the interior of the evaporative cooler.
2. Pull the drain plug from the bottom of the unit.
3. To clean the tank, rinse it with warm water and a light detergent solution. Rinse with clean water and allow it to dry completely.

## WATER PUMP MAINTENANCE

Hard water buildup can affect the performance of the cooler's water pump. To prevent malfunctions, clean the pump and internal tubing with a calcium and lime cleaning product (such as CLR) at least once a season.

1. Empty any water from the tank.
2. Pour the cleaner into the water tank and close it, making sure the pump is submerged in the cleaner.
3. With the tank closed, allow the pump to soak for 10 to 20 minutes.
4. Remove the cooling pads from the back and sides of the unit.
5. Run the cooler for 30 seconds. This will circulate the cleaning solution through the pump and tubing to remove any leftover mineral deposits. Do not operate longer than 30 seconds, or damage might occur to other parts of the cooler.
6. Rinse the tank and fill it with clean water. Run it for several minutes without the cooling pad in place to ensure the cleaning solution has been rinsed away.
7. Replace cooling pads and operate unit as normal.

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.

## ● ● ● 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.

### PRODUCT SPECIFICATIONS

Model:	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 sq. ft.
<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

## TROUBLESHOOTING

Problem	Possible Cause(s)	Possible Solution
<b>There is no airflow.</b>	a. The power cord is not plugged in.	a. Check to make sure the plug is plugged into an outlet. The unit should beep twice once the power supply is connected.
<b>The unit does not cool at all.</b>	a. There is insufficient water in the tank. b. The unit is not in cooling mode. c. The pump is defective.	a. Check the water level in the tank and make sure there is enough water. b. Turn the COOLER dial to ON. c. Contact customer service if there is an issue with the water pump.
<b>The unit does not sufficiently cool.</b>	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.
<b>Water is coming out of the vents.</b>	The cooling pad may be clogged with debris.	Clean the cooling pad by rinsing it in water and allowing it to thoroughly dry. If the problem persists, contact customer service.



## 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.