

# Viking Quick Cool Evaporative Air Cooler

## QC-11 Owners Manual



Thank you for choosing Viking

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## QUICK SETUP

1. Remove all packaging
2. Fill tank through door on left side or attach hose and fitting to right side port (a fitting of your choice will be needed).
3. Plug into outlet
4. Press power button (unit will begin to pump water into media pad for approx. 30 seconds before fan starts).
5. **Ensure proper air flow is available.** Your Viking portable evaporative cooler is meant to be used in an open-air environment, such as a patio. If you plan to use your evaporative cooler in a more closed environment – such as a garage, sunroom or barn – you must provide adequate ambient airflow to ensure your evaporative cooler works at its highest efficiency. When using in a semi-closed environment, be sure to leave a door or window open to allow for the proper amount of airflow.

## OPERATION WARNINGS SAFE OPERATION

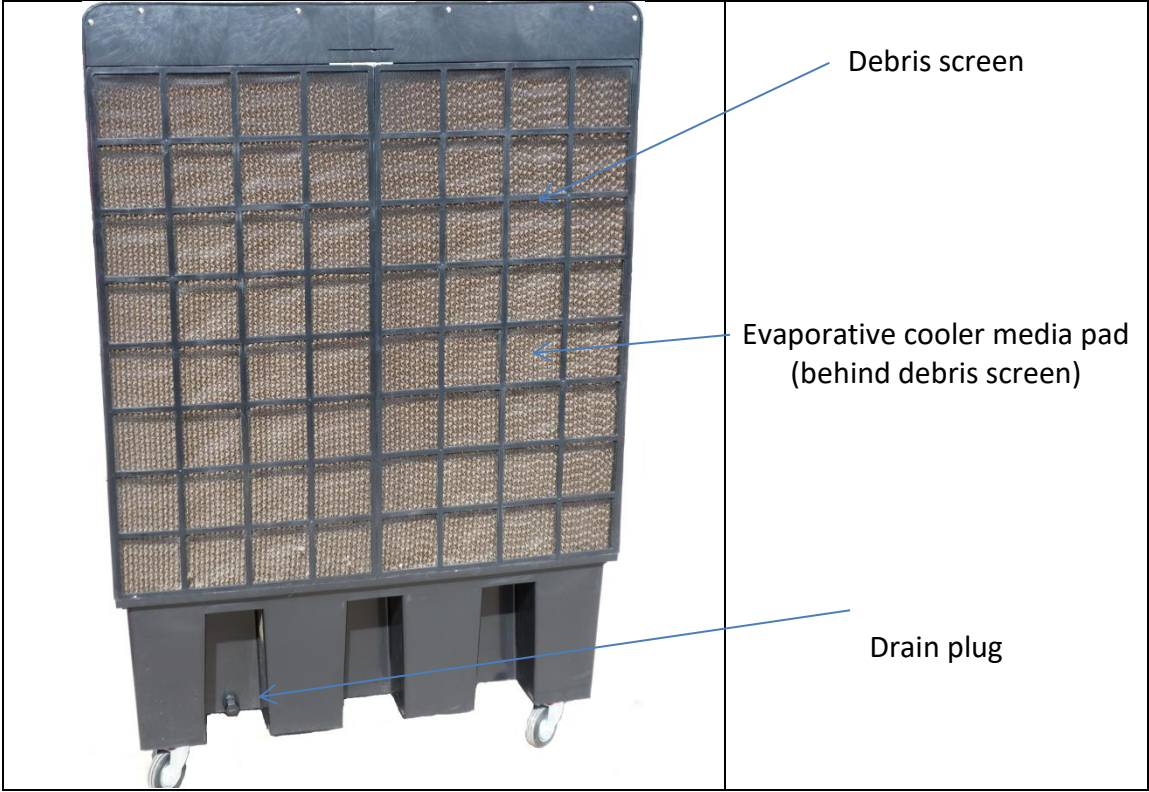
- 1) Not for use by children
- 2) Not for use by persons with reduced physical, sensory or mental capabilities
- 3) Not for use by persons who have not reviewed the owner's manual and familiarized themselves with the operation of the product.

To reduce the risk of electric shock, fire or injury:

- Do not operate any evaporative cooler with a damaged cord or plug.
- Do not run power cord under carpeting or cover with throwrugs, runners or similar coverings. Arrange power cord away from traffic areas to avoid tripping hazards.
- Read the evaporative cooler's instructions, owner's manual and labels thoroughly before use.
- Always unplug the power cord to the evaporative cooler before performing inspections or repairs.
- Always unplug the evaporative cooler during filling and cleaning.
- Do not step on or roll over power cord with heavy or sharp objects.
- Do not operate evaporative cooler unless evaporative media is securely in place.
- Test the GFCI receptacle or breaker monthly to ensure it is functioning properly if applicable.
- Remove the plug from the electrical receptacle by pulling on the plug, not the power cord.
- Operation near open flames or sparks is not recommended.
- If operating near open flame or sparks, ensure the pump is continuously running in order to saturate and wet evaporative media.
- When cleaning your evaporative cooler, ensure water does not get into the motor or electrical system to prevent damage.
- The use of extension cords with your evaporative cooler is not recommended. However, if the owner determines that his or her circumstance or intended use requires the use of an extension cord, the following requirements must be met: - Use properly grounded 14 AWG or greater - Extension cord must not exceed 50 feet (15.24 meters) in length; and - Extension cord must be properly grounded
- Evaporative coolers should not be modified in any way (other than repairs made by qualified individuals with Viking replacement parts).
- If the evaporative cooler is damaged or malfunctions, do not continue to operate it. Refer to the warranty, troubleshooting or FAQ sections of this owner's manual, call Mesa Powersports at (520) 975-3314, or email [sales@affordacool.com](mailto:sales@affordacool.com)

## OVERVIEW





## WATER LEVEL INDICATOR / PUMP SHUTOFF

A water level indicator with integral shutoff gives a visual indication of the water level in the evaporative cooler and will shut off the pump once the water reaches a certain threshold. When this occurs, a beeping sound turns on and the water level sensor indicator will flash on the control panel to draw attention to the low water level condition and alert the user that the pump has shut off. Add water for further cooling or press the Cool button for fan only.

## OPERATION

### PLACEMENT

- 1) Make sure there is a clear, unobstructed path in front of the evaporative cooler to provide maximum airflow.
- 2) If the evaporative cooler is positioned on a raised platform, ensure the platform is stable, well constructed, and will not allow the evaporative cooler to tip over and that it allows for the full weight of the evaporative cooler including a tank full of water. The cooler must be level and in the upright position. The casters should also be locked to prevent the evaporative cooler from moving.
- 3) If placed near a wall or other obstruction, position the evaporative cooler a minimum of 3 feet (0.9 meters) from the wall or obstruction with evaporative media facing the wall. This allows the unrestricted flow of warm air to the evaporative media side of the evaporative cooler. When using multiple evaporative coolers in close proximity, be sure to aim each evaporative cooler so the air flows complement each other to achieve maximum cooling capacity.

### STARTING THE UNIT

Once the tank is full of water, press the “ON” button on the control panel. The pump will begin to deliver water to the evaporative media pad. After 30 seconds the fan will turn on. Adjust the fan speed with the “wind Speed” button. Press the “Swing” button for vertical louver oscillation. Pressing the “Cool” button will turn water off/on.

## MAINTENANCE

While the rugged, corrosion-resistant construction ensures low maintenance will be required, keeping your evaporative cooler clean will ensure it stays in peak operating condition.

### DAILY MAINTENANCE

The pump should be turned off approximately 15 minutes before the fan is turned off, which allows the evaporative media PAD to dry. Ensuring your evaporative media PAD is dry at the end of the day not only extends its life, it also helps control the growth of mildew, mold, bacteria and other odor-causing elements.

## WEEKLY MAINTENANCE

Your Viking portable evaporative cooler should be shut down, disconnected from power and the tank should be drained once a week by removing the drain cap. Once the tank is drained and the power disconnected, the evaporative media PAD may be removed to allow cleaning of the tank, where dust may collect over time. Remove the screws on the back of the unit to remove the debris screen and evaporative media pad. Replace evaporative media pad. If conditions, such as hard water, warrant, use a mixture of white vinegar and water to remove scale. Use of a scale removing filter and/or tablets is recommended. These can be found at your local hardware store. They can increase cooling efficiency, remove and inhibit scale building up, reduce equipment corrosion, and extend evaporative media life.

## STORAGE

1. Drain all water from the tank and wipe the tank clean, ensuring the evaporative media pad and tank are dry.
2. Roll up the power cord and secure it to ensure it will not be rolled over, tripped over or caught in equipment.
3. Cover the evaporative cooler completely to prevent dust build-up and store in a dry area. This also helps to prevent damage to the evaporative media pad.

TECHNICAL SPECIFICATIONS	
Model	QC-11
Max Air Flow	10,600 cfm
Power	110V 50Hz – 60 Hz
Type	Axial Direct Drive
Water Consumption	2-5 Gal/Hr
Dimensions	65”H x 44”W x 27”D
Weight	105 lbs
Effective Cooling Area	2500 sf

## TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	REMEDY
Cooler fails to start or deliver air	No power Water level too low Water lever float stuck  Control panel needs to be reset  Motor frozen	Plug cord into outlet. Fill water tank. Unplug unit, Reach in manual fill door towards bottom right corner to free stuck float. Unplug power cord and plug back in. Replace motor
Cooler starts but has low air flow	Cooler too close to wall  Motor failure Capacitor failure	Move cooler away from obstructions to allow air into unit Replace motor Replace capacitor
Cooler starts but fails to deliver water	“Cool” button not depressed Water level sensor float stuck  Water pump failure	Press “Cool” button Reach in manual fill door towards bottom left corner to free stuck float. Replace water pump
Water leaking from cooler	Auto-fill valve failure  Drain plug leaking	Adjust auto-fill valve float or replace if damaged Replace rubber seal in drain cap
Vertical louvers not oscillating	“Swing” button not depressed  Swing motor failure	Press “Swing) button on control panel Replace swing motor
Scale building up	Clean	Drain and clean tank more often. Use a scale inhabiting filter and/or tablets
Musty or unpleasant odor	Stale or stagnant water in tank Media pad is clogged	Drain, flush and clean tank Replace media pad
Water droplets in the air stream	Leaking hose	Tighten connection or replace hose.
The control board not working as it should	Control board needs to be reset	Unplug unit for 30 seconds and plug back in.
The bottom casing warping	Water tank over filled	Keep water below to top of the site glass.



## **THREE YEAR LIMITED WARRANTY**

**3 years on the motor and 6 months on all other parts Warranted from date of purchase on defective materials**

**This warranty is void if: i) the Cooler and/or parts are found to have been misused, abused, repaired by or tampered with by unqualified personnel; ii) any of the product's component parts have been replaced with parts that were not authorized Viking replacement parts; iii) the product has been modified in any way; iv Cooler maintenance and cleaning not performed as described in this manual or v) the customer cannot show proof of purchase as the product's original owner.**