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Hessaire MC18V

Hessaire MC18MT 1,300 CFM Evaporative Cooler User Manual

Model: MC18V

Brand: Hessaire

1. INTRODUCTION

The Hessaire MC18MT Evaporative Cooler is designed to provide effective cooling in appropriate environments. Evaporative cooling fans operate by pulling hot, dry air through a water-soaked media filter. As water evaporates into the air, the air's temperature is lowered, delivering a cool airflow. These units are most effective in hot, dry climates where they can significantly reduce the perceived temperature. Unlike air conditioners, they do not use refrigerants, making them an energy-efficient cooling solution.

The MC18V model is a versatile portable evaporative cooling fan, capable of delivering 1,300 CFM of cool airflow and covering up to 500 sq ft of open space. It features a 4.8-gallon water tank, providing 3-4 hours of use, and includes a built-in float valve and garden hose adapter for continuous water supply.

Official Hessaire video demonstrating the principles and benefits of evaporative cooling.

2. IMPORTANT SAFETY INSTRUCTIONS

- **Proper Placement:** Your cooling fan must be positioned in front of an open window or door to operate effectively. Always ensure there is another open window or door through which air can exhaust from the room. This unit is best used in dry climates or open spaces.
- **Ventilation:** Evaporative cooling introduces moisture into the air. In enclosed rooms, this can lead to increased humidity, making the room feel hot and humid. In extreme humidity environments, additional humidity can cause drywall damage or mold. Ensure adequate ventilation to prevent moisture buildup.
- **Intended Use:** The MC18V is effective in high temperature, low humidity, well-ventilated spaces up to 500 square feet. It is not intended for extreme outdoor use in all conditions or for use inside closed rooms.
- **Electrical Safety:** Always plug the unit into a grounded outlet. Do not operate with a damaged cord or plug.
- **Water Safety:** Do not overfill the water tank. Ensure the unit is on a stable, level surface to prevent tipping and water spills.

3. SETUP AND ASSEMBLY

The Hessaire MC18MT Evaporative Cooler arrives largely pre-assembled. Follow these steps to prepare your unit for first use:

1. **Unboxing:** Carefully remove the unit from its packaging.
2. **Caster Installation:** Wheels, casters, and other small components for assembly are typically nested at the bottom of the unit. Install the casters onto the base of the cooler. Ensure the two locking wheels are securely locked before filling and operating the unit to prevent movement.
3. **Power Connection:** Unwind the power cord and plug the unit into a standard 115V electrical outlet.
4. **Garden Hose Adapter (Optional):** If you plan to use a continuous water supply, install the brass garden hose adapter by turning it clockwise onto the outside fitting located on the unit.



Front view of the Hessaire MC18MT Evaporative Cooler, showcasing its design and key features.

4. OPERATING INSTRUCTIONS

Your Hessaire evaporative cooler features a simple manual control dial for easy operation.

1. Filling the Water Tank:

- **Manual Fill:** Open the water fill door located on the front of the unit. Use a pitcher or bucket to pour water into the

tank until it reaches the maximum fill line on the water level indicator. The 4.8-gallon tank provides approximately 3-4 hours of cooling.

- **Continuous Fill (Garden Hose):** Attach a standard garden hose to the brass adapter on the back of the unit. The built-in float valve will regulate the water flow, preventing overfilling and allowing for hours of continuous use.

2. **Initial Saturation:** After filling the tank, turn the control dial to the "Pump On" setting (if available) for about 10 minutes to allow the evaporative media pads to fully saturate with water.

3. **Selecting Operation Mode:** Turn the control dial to select your desired mode:

- **Low Fan Only:** Circulates air at a low speed without engaging the pump for evaporative cooling.
- **High Fan Only:** Circulates air at a high speed without engaging the pump for evaporative cooling.
- **Low Fan with Pump On:** Provides evaporative cooling with the fan operating at a low speed.
- **High Fan with Pump On:** Provides evaporative cooling with the fan operating at a high speed.

4. **Adjusting Airflow:** The front grille features manually adjustable louvers. These can be moved individually to direct airflow up or down, which can be useful for specific cooling needs or for drying floors.

5. MAINTENANCE AND CARE

Regular maintenance ensures optimal performance and extends the lifespan of your Hessaire evaporative cooler.

- **Daily Filter Drying:** At the end of each day of use, run your cooler on "FAN ONLY" for 30 minutes. This helps to dry out the evaporative filter pads, preventing mold and mildew growth and maintaining efficiency.
- **Seasonal Storage Preparation:** Before storing your cooler for the winter or extended periods, perform the following steps:
 - **Drain the Tank:** Completely drain the water tank.
 - **Clean the Tank:** Wipe out the tank to remove any residue or mineral deposits.
 - **Clean the Filter:** Remove and clean the evaporative filter pads according to the instructions in the full owner's manual.
 - **Reassemble and Dry:** Reassemble the unit and run it on "FAN ONLY" for 30 minutes to ensure the filter pads are thoroughly dry before storage.
- **Mineral Deposit Prevention:** To minimize mineral deposits and clogging, consider periodically running a small amount of white vinegar through the unit during the cooling season and before winter storage.

6. TROUBLESHOOTING

If you encounter issues with your Hessaire evaporative cooler, refer to the following common troubleshooting tips. For more complex problems, consult the full owner's manual or contact customer support.

- **Unit Not Cooling Effectively:**
 - Ensure the water tank is filled and the pump is operating.
 - Verify proper ventilation with open windows/doors for air exhaust.
 - Check the humidity level in the environment; evaporative coolers are less effective in high humidity.
 - Clean the evaporative media pads if they appear clogged or dirty.
- **Reduced Airflow:**
 - Check for obstructions in the air intake or fan grille.

- Ensure the fan speed setting is appropriate.

• **Unusual Noises:**

- Verify the unit is on a level surface.
- Check for any loose parts or debris inside the unit.
- Ensure the water pump is not running dry.

7. PRODUCT SPECIFICATIONS

Brand	Hessaire
Model Name	MC18V
Mounting Type	Freestanding
Color	Blue (Product Title) / Green (Specifications)
Air Flow Capacity	1300 Cubic Feet Per Minute (CFM)
Controls Type	Knob
Reservoir Capacity	4.8 Gallons
Floor Area Coverage	500 Square Feet
Product Dimensions	1"D x 1"W x 1"H
Item Weight	19 pounds
Voltage	115 Volts
UPC	818015026270
Country of Origin	China
Included Components	Instruction Manual

8. WARRANTY AND CUSTOMER SUPPORT

Hessaire products are manufactured to high-quality standards. For specific warranty information regarding your MC18MT Evaporative Cooler, please refer to the warranty section in the complete owner's manual included with your product. In case of any questions, technical assistance, or service needs, please contact Hessaire customer support. Contact details can typically be found in your owner's manual or on the official Hessaire website.



Related Documents - MC18V

	<p>Hessaire Evaporative Cooler Use & Care Guide</p> <p>This guide provides essential information on the warranty, safety precautions, operation tips, troubleshooting, features, and maintenance for Hessaire Mobile Evaporative Coolers, including models MC37, MC61, M150, and M250.</p>
	<p>Hessaire W6100 Window Evaporative Cooler User and Care Guide</p> <p>Comprehensive guide for the Hessaire W6100 window evaporative cooler, covering safety precautions, installation, operation, maintenance, troubleshooting, specifications, and warranty information.</p>
	<p>Hessaire MC18 Mobile Evaporative Cooler User Guide</p> <p>Comprehensive use and care guide for the Hessaire MC18 1300 CFM Mobile Evaporative Cooler, including setup, operation, maintenance, troubleshooting, parts, and warranty information.</p>
	<p>Hessaire MC18 Mobile Evaporative Cooler Use & Care Guide</p> <p>This guide provides essential information for the Hessaire MC18 Mobile Evaporative Cooler, including warranty details, safety precautions, operation tips, troubleshooting, features, and maintenance instructions for optimal performance.</p>
	<p>Hessaire Mobile Evaporative Cooler MC92V, M350 Use & Care Guide</p> <p>Comprehensive use and care guide for the Hessaire MC92V and M350 Mobile Evaporative Coolers, including safety precautions, operation tips, maintenance, troubleshooting, parts list, and warranty information.</p>
	<p>Hessaire W6100 Window Evaporative Cooler 6700 CFM Use & Care Guide</p> <p>Comprehensive use and care guide for the Hessaire W6100 Window Evaporative Cooler, featuring 6700 CFM. Includes safety precautions, installation instructions, operation tips, maintenance, troubleshooting, parts list, and warranty information.</p>