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## Kool-It KSM-42

# Kool-It KSM-42 52-Inch Two Section Merchandiser Glass Door Reach-in Refrigerator

Model: KSM-42

## INTRODUCTION

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This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Kool-It KSM-42 Two Section Merchandiser Glass Door Reach-in Refrigerator.

Designed for commercial use, this unit offers ample storage and optimal temperature control for various food and beverage products. Please read this manual thoroughly before operating the appliance.



Image: The Kool-It KSM-42 merchandiser refrigerator, featuring a black exterior, two glass sliding doors, and internal wire shelving. The unit is equipped with casters for mobility and an illuminated sign panel at the top.

## IMPORTANT SAFETY INFORMATION

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To prevent injury to users or damage to the appliance, ensure all safety precautions are strictly followed. This unit uses R290 refrigerant, which is flammable. Handle with care and ensure proper ventilation.

- Always disconnect power before cleaning, servicing, or moving the unit.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Ensure the appliance is placed on a level, stable surface to prevent tipping.
- Maintain adequate clearance around the unit for proper ventilation and heat dissipation.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- Keep ventilation openings in the appliance enclosure or in the built-in structure clear of obstruction.
- Do not damage the refrigerant circuit.
- This appliance is intended for commercial use only.

## SETUP AND INSTALLATION

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- Unpacking:** Carefully remove all packaging materials, including protective film and tape. Inspect the unit for any shipping damage. Report any damage immediately to the carrier.
- Placement:** Position the refrigerator on a strong, level floor capable of supporting its weight (approximately 430 lbs empty, plus contents). Ensure there is sufficient space for air circulation around the unit, especially at the rear and sides, to allow the condenser to operate efficiently. The unit is equipped with four 2 1/2" casters for easy positioning. Once in place, ensure the casters are locked to prevent movement.
- Electrical Connection:** Connect the unit to a dedicated, properly grounded electrical outlet. Refer to the specifications section for electrical requirements. Do not use extension cords or adapter plugs.
- Initial Cleaning:** Before first use, clean the interior and exterior surfaces with a mild detergent and warm water. Rinse thoroughly and dry completely.
- Initial Startup:** After positioning and connecting power, allow the unit to run empty for at least 2-4 hours to reach its operating temperature before loading products.

## OPERATING INSTRUCTIONS

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Your Kool-It KSM-42 merchandiser is designed for user-friendly operation.

- Power On/Off:** The unit powers on automatically when plugged into a live outlet. To turn off, disconnect from the power source.
- Temperature Control:** The refrigerator features a digital temperature readout display and electronic thermostatic control. The optimal temperature range for preservation of foods and beverages is 33-40°F (approximately 0.5-4.4°C). Adjust the temperature using the controls on the digital display as needed.
- Loading Products:** Utilize the heavy-duty polyethylene coated adjustable wire shelves to organize products efficiently. Ensure that products do not block the internal air circulation vents to maintain consistent temperatures throughout the cabinet. The positive air flow system ensures even cooling.
- Door Operation:** The double-pane locking glass doors are ergonomically designed and self-closing. Ensure doors close completely after each use to maintain temperature and energy efficiency.
- Interior Lighting:** The LED interior lighting provides total product display. This lighting typically operates when the unit is powered on.

## MAINTENANCE

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Regular maintenance ensures optimal performance and extends the lifespan of your refrigerator.

- Regular Cleaning:**
  - Interior:* Clean the interior surfaces, shelves, and floor regularly with a mild, non-abrasive cleaner and warm water. Rinse and dry thoroughly to prevent odors and maintain hygiene.
  - Exterior:* Wipe down the black exterior baked enamel steel finish with a soft cloth and mild cleaner. Avoid abrasive cleaners that can damage the finish.
- Condenser Coil Cleaning:** The condenser coils, located at the bottom rear of the unit, should be cleaned every 1-3 months, depending on the operating environment. Dust and debris on the coils reduce efficiency and can lead to compressor failure. Use a brush or vacuum cleaner to remove accumulated dirt. Always disconnect power before cleaning the condenser.
- Gasket Inspection:** Inspect the one-piece magnetic door gaskets regularly for cracks, tears, or signs of

wear. Damaged gaskets compromise the seal, leading to energy loss and inefficient cooling. Replace worn gaskets promptly.

- **Automatic Defrost System:** This unit features an automatic defrost system. While manual defrosting is not required, ensure the drain pan is clear and free of obstructions.

## TROUBLESHOOTING GUIDE

Before contacting service, please refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Refrigerator not cooling	No power to the unit. Temperature setting is too high. Condenser coils are dirty. Doors not closing properly.	Check power cord and circuit breaker. Adjust thermostat to a lower temperature. Clean condenser coils. Ensure doors are fully closed and gaskets are sealing.
Excessive noise	Unit not level. Fan motor issues.	Level the unit using the casters. Contact qualified service technician.
Water on floor (leaking)	Clogged drain line. Excessive humidity.	Clear the drain line. Ensure doors are not left open frequently.

## TECHNICAL SPECIFICATIONS

Feature	Detail
Model Number	KSM-42
Dimensions (W x D x H)	52.3 x 27.6 x 79.5 inches
Weight (Empty)	430 Pounds
Capacity	42 Cubic Feet
Temperature Range	33-40°F (0.5-4.4°C)
Number of Doors	2 (Sliding Glass Doors)
Refrigerant	R290
Defrost System	Automatic
Shelving	Heavy-duty polyethylene coated adjustable wire shelves
Exterior Finish	Black baked enamel steel
Interior Finish	White baked enamel steel
Certifications	ETL approved, conforms to NSF 7 standards, Nema
Manufacturer	MVP Group

## WARRANTY AND CUSTOMER SUPPORT

Kool-It products are manufactured to high standards and come with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact your authorized dealer.

For technical assistance, parts, or service inquiries, please contact your product supplier or the manufacturer, MVP Group. Ensure you have your model number (KSM-42) and purchase date available when contacting support.

*Note: Transportation of this item is subject to hazardous materials regulation due to the R290 refrigerant.*

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