

## KoolMore KM-MDR-3FGD

# KoolMore KM-MDR-3FGD Commercial Merchandiser Refrigerator User Manual

Model: KM-MDR-3FGD

## IMPORTANT SAFETY INFORMATION

Read all instructions before using this appliance to prevent injury or damage. Keep this manual for future reference.

- **Electrical Safety:** Ensure the unit is connected to a properly grounded 115V, 60Hz electrical outlet. Do not use extension cords or adapters.
- **Placement:** Position the refrigerator on a level, stable surface capable of supporting its weight (approximately 411 lbs when empty, more when loaded). Allow adequate ventilation space around the unit.
- **Handling:** Due to its weight and size, always use appropriate lifting equipment and personnel when moving the unit. Use the integrated casters for repositioning.
- **Flammable Refrigerant:** This appliance uses R290 (Propane) as a refrigerant. Handle with care and ensure proper ventilation during installation and servicing. Do not damage the refrigerant circuit.
- **Cleaning:** Disconnect power before cleaning. Use non-abrasive cleaners.
- **Children:** Keep children away from the appliance. Do not allow them to play with or inside the unit.

## PRODUCT OVERVIEW

The KoolMore KM-MDR-3FGD is a 71-inch commercial three-door glass merchandiser refrigerator designed for displaying and cooling various products. It features a spacious 46.1 cubic feet capacity, adjustable shelving, and precise digital temperature control.

### Key Features

- **Capacity:** 46.1 cubic feet of storage.
- **Shelving:** Eight adjustable PVC shelves, each supporting up to 99 lbs.
- **Temperature Control:** Digital system maintains 36°F to 50°F (2°C to 10°C).
- **Visibility:** Three double-tempered glass swing doors with integrated locks.

- **Lighting:** Bright 1520-lumen LED lights recessed in the walls.
- **Defrost:** Automatic defrost function.
- **Construction:** Durable painted iron exterior (black) and interior (white).
- **Mobility:** Equipped with 6 casters for easy movement.

## Components

The product package includes:

- KoolMore KM-MDR-3FGD Commercial Merchandiser Refrigerator Unit
- 8 PVC Shelves
- Keys for door locks



Figure 1: Front view of the KoolMore KM-MDR-3FGD refrigerator, showcasing its three glass doors and interior contents.



Figure 2: Side view of the refrigerator with indicated dimensions (71"W x 22.63"D x 78.34"H).



Figure 3: Interior view of one section, showing adjustable shelves and LED lighting.



Figure 4: Close-up of the digital temperature control panel.





Figure 5: Close-up of the integrated door lock mechanism.

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## 1. Unpacking

- Carefully remove all packaging materials, including tape and protective films.
- Inspect the unit for any shipping damage. Report any damage to the carrier immediately.

## 2. Placement

- Choose a location with a strong, level floor capable of supporting the refrigerator's weight.
- Ensure adequate clearance around the unit for proper ventilation (at least 4 inches from walls and other appliances).
- Avoid direct sunlight or heat sources, as this can affect cooling efficiency.

## 3. Leveling

- The unit is equipped with casters for mobility. Once in its final position, engage the brakes on the two front casters to prevent movement.
- Use a level to ensure the refrigerator is perfectly level. Adjust the casters if necessary to achieve stability.

## 4. Electrical Connection

- Before plugging in, allow the unit to stand upright for at least 2 hours to allow compressor oils to settle.
- Connect the power cord to a dedicated, grounded 115V, 60Hz electrical outlet. Do not use multi-outlet adapters or extension cords.

## 5. Shelf Installation

- Insert the shelf clips into the desired slots on the interior pilasters.
- Place the PVC shelves onto the clips, ensuring they are securely seated and level.
- Adjust shelf height as needed to accommodate different product sizes.

# OPERATING INSTRUCTIONS

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## 1. Power On/Off

- Once plugged in, the unit will automatically power on and begin cooling.
- To turn off, disconnect the power cord from the outlet.

## 2. Temperature Control

- The digital control panel (Figure 4) displays the current internal temperature.
- Press the 'Set' button to view the set temperature.
- While the set temperature is displayed, use the up/down arrows to adjust the desired temperature within the range of 36°F to 50°F (2°C to 10°C).
- Press 'Set' again or wait a few seconds for the display to return to the current temperature.

## 3. Interior Lighting

- The unit features internal LED lighting.
- Press the 'Lamp' button on the digital control panel (Figure 4) to turn the interior lights on or off.

## 4. Loading the Refrigerator



- Allow the unit to reach the desired temperature before loading products.
- Distribute products evenly on the shelves. Do not overload shelves beyond their 99 lb capacity.
- Avoid blocking the internal air vents to ensure proper air circulation and consistent cooling.
- Ensure doors are closed completely after each use to maintain temperature. Use the integrated locks for security when needed.

## MAINTENANCE

### 1. Cleaning

- **Exterior:** Wipe the exterior surfaces with a soft cloth and mild detergent. Avoid abrasive cleaners.
- **Interior:** Remove shelves and clean the interior with a solution of mild soap and water. Rinse thoroughly and dry before replacing shelves and products.
- **Glass Doors:** Use a glass cleaner for streak-free results.
- **Condenser Coil:** Periodically clean the condenser coil (located at the rear/bottom of the unit) with a brush or vacuum cleaner to ensure efficient operation. Disconnect power before cleaning.

### 2. Automatic Defrost

- This unit is equipped with an automatic defrost system, which minimizes ice buildup.
- During defrost cycles, the internal temperature may temporarily rise slightly. This is normal.
- Ensure the drain pan is clear and not overflowing.

### 3. Gasket Care

- Regularly inspect door gaskets for cracks or damage.
- Clean gaskets with mild soap and water to maintain their sealing effectiveness.

## TROUBLESHOOTING

Before contacting service, review the following common issues and solutions:

Problem	Possible Cause	Solution
Refrigerator not cooling	No power; thermostat set too high; condenser coil dirty; door left open.	Check power connection; adjust thermostat; clean condenser coil; ensure doors are closed.
Excessive noise	Unit not level; fan obstruction; loose components.	Level the unit; check for obstructions around fans; tighten any loose parts.
Water on floor	Drain pan overflowing; clogged drain line.	Empty drain pan; clear drain line.
Temperature too high/low	Thermostat setting incorrect; door seals compromised; unit overloaded.	Adjust thermostat; check and clean door gaskets; reduce product load.

## SPECIFICATIONS


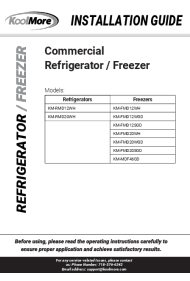

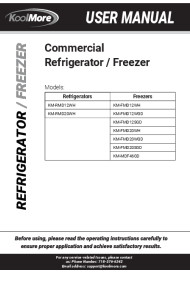


Feature	Specification
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Feature	Specification
Brand	KoolMore
Model Number	KM-MDR-3FGD
Capacity	46.1 Cubic Feet
Dimensions (D x W x H)	22.63 x 71 x 78.34 inches
Item Weight	411 pounds
Temperature Range	36°F to 50°F (2°C to 10°C)
Voltage	115 Volts
Defrost System	Automatic
Number of Doors	3 (Triple Doors)
Door Material Type	Glass (Double Tempered)
Shelf Type	PVC
Number of Shelves	8
Installation Type	Freestanding
Special Features	6 Casters, Digital Temperature Control, Double Tempered Glass, Safety Lock
Color	Black
Certification	ETL Listed
Annual Energy Consumption	1379 Kilowatt Hours Per Year

## WARRANTY AND SUPPORT

For warranty information or technical support, please contact KoolMore customer service directly. Refer to your purchase documentation for specific warranty terms and conditions.

**KoolMore Customer Service:** Please visit the official KoolMore website or refer to the contact information provided with your purchase for assistance.

 <p><b>KoolMore</b> <b>USER MANUAL</b></p> <p><b>Commercial One-Door Merchandiser Refrigerator</b></p> <p>MODELS: MDR-1GD-12C, MDR-9C, MDR-9CP</p> <p><b>REFRIGERATOR</b></p> <p>Unit must be kept clear of combustibles at all times.</p>	<p><a href="#">KoolMore Commercial One-Door Merchandiser Refrigerator User Manual</a></p> <p>Comprehensive user manual for KoolMore Commercial One-Door Merchandiser Refrigerators (Models MDR-1GD-12C, MDR-9C, MDR-9CP). Covers installation, operation, safety precautions, maintenance, and warranty information.</p>																														
 <p><b>KoolMore</b> <b>INSTALLATION GUIDE</b></p> <p><b>Commercial Refrigerator / Freezer</b></p> <table><tr><th>Models</th><th>Refrigerators</th><th>Freezers</th></tr><tr><td>MDR-1GD-12C</td><td>MDR-1GD-12C</td><td></td></tr><tr><td>MDR-9C</td><td>MDR-9C</td><td></td></tr><tr><td>MDR-9CP</td><td>MDR-9CP</td><td></td></tr><tr><td>MDR-1GD-12C</td><td>MDR-1GD-12C</td><td></td></tr><tr><td>MDR-9C</td><td>MDR-9C</td><td></td></tr><tr><td>MDR-9CP</td><td>MDR-9CP</td><td></td></tr><tr><td>MDR-1GD-12C</td><td>MDR-1GD-12C</td><td></td></tr><tr><td>MDR-9C</td><td>MDR-9C</td><td></td></tr><tr><td>MDR-9CP</td><td>MDR-9CP</td><td></td></tr></table> <p>Before using, please read the operating instructions carefully to ensure proper application and achieve satisfactory results.</p>	Models	Refrigerators	Freezers	MDR-1GD-12C	MDR-1GD-12C		MDR-9C	MDR-9C		MDR-9CP	MDR-9CP		MDR-1GD-12C	MDR-1GD-12C		MDR-9C	MDR-9C		MDR-9CP	MDR-9CP		MDR-1GD-12C	MDR-1GD-12C		MDR-9C	MDR-9C		MDR-9CP	MDR-9CP		<p><a href="#">KoolMore Commercial Refrigerator/Freezer Installation Guide</a></p> <p>Comprehensive installation guide for KoolMore Commercial Refrigerators and Freezers, covering setup, operation, maintenance, troubleshooting, and warranty information.</p>
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 <p><b>Koolmore</b> <b>COMMERCIAL REFRIGERATOR AND FREEZER USER'S MANUAL</b></p> <p><b>GLASS DOOR MERCHANDISERS</b></p> <p>MODELS: M23-1G, M53-2GSL, M78-3G</p> <p>PLEASE READ THE MANUAL THOROUGHLY BEFORE TO EQUIPMENT AT IT UP, OPERATION AND MAINTENANCE.</p>	<p><a href="#">Koolmore Commercial Refrigerator and Freezer User Manual - Glass Door Merchandisers</a></p> <p>User manual for Koolmore Glass Door Merchandisers commercial refrigerators and freezers (Models M23-1G, M53-2GSL, M78-3G). Includes installation, safety precautions, operation, maintenance, and troubleshooting guide.</p>																														
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 <p><b>KoolMore</b> <b>INSTRUCTION MANUAL</b></p> <p><b>UPRIGHT DISPLAY COOLER</b></p> <p>MODEL: MDR-2GD-35C</p> <p>For any service related issues, please contact: 1-800-451-1111</p>	<p><a href="#">KoolMore MDR-2GD-35C Upright Display Cooler Instruction Manual</a></p> <p>This instruction manual provides essential information for the safe installation, operation, maintenance, and troubleshooting of the KoolMore MDR-2GD-35C Upright Display Cooler. Learn about its features, safety precautions, and warranty details.</p>																														
 <p><b>KoolMore</b> <b>Assembly Instructions</b></p> <p><b>Ice Cream Dipping Cabinet Glass Sneeze Guard</b></p> <p>MODELS: KM-26FG, KM-49FG, KM-71FG</p> <p><b>DIPPING CABINET</b></p> <p>Intended for other than household use. Shelf must be kept clear of merchandise at all times.</p>	<p><a href="#">Koolmore Ice Cream Dipping Cabinet Glass Sneeze Guard Assembly Instructions</a></p> <p>Detailed assembly instructions for Koolmore ice cream dipping cabinet glass sneeze guards, including hardware lists and step-by-step guidance for models KM-26FG, KM-49FG, and KM-71FG. Learn how to properly install the sneeze guard for your dipping cabinet.</p>																														