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› [KoolMore KM-MDR-3FGD 71-inch Commercial Three-Door Glass Merchandiser Refrigerator User Manual](#)

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).

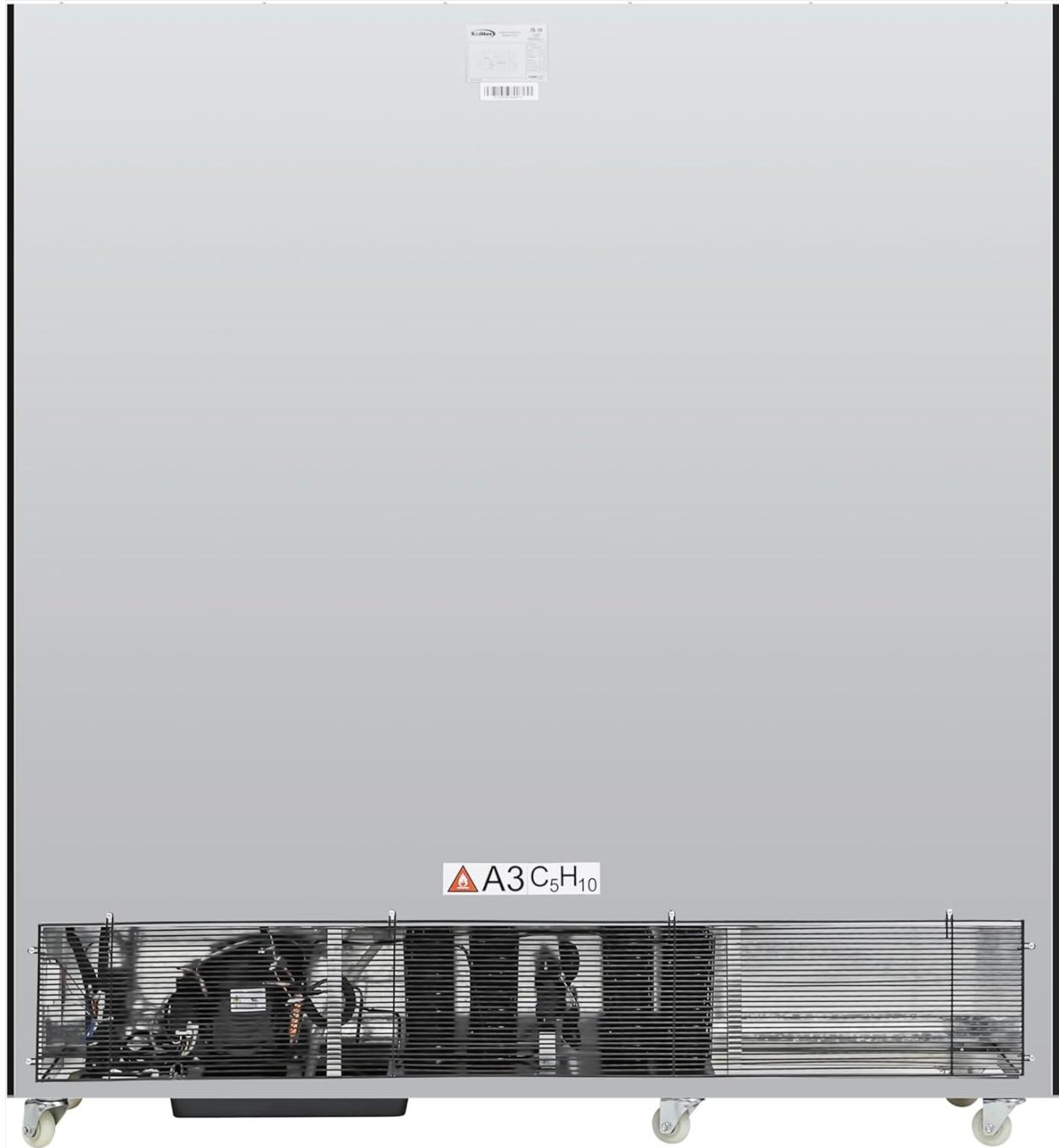


Figure 3: Interior view of one section, showing adjustable shelves and LED lighting.



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



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

SETUP INSTRUCTIONS

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

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

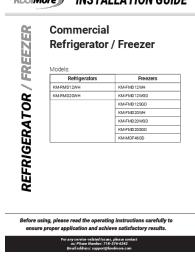
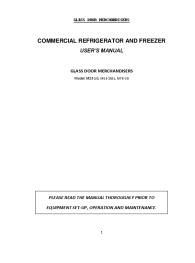
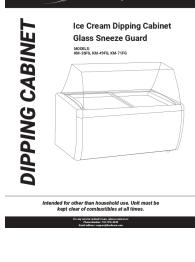
Feature	Specification

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>REFRIGERATOR</p> <p>USER MANUAL</p> <p>Commercial One-Door Merchandiser Refrigerator</p> <p>MDR-1GD-12C, MDR-9C, MDR-9CP</p> <p>Unit must be kept clear of combustibles at all times.</p>	<p>KoolMore Commercial One-Door Merchandiser Refrigerator User Manual</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>REFRIGERATOR / FREEZER</p> <p>INSTALLATION GUIDE</p> <p>Commercial Refrigerator / Freezer</p> <table border="1"> <thead> <tr> <th>Models</th> <th>Refrigerators</th> <th>Freezers</th> </tr> </thead> <tbody> <tr><td>MDR-1GD-12C</td><td>KM-FMD12WH</td><td></td></tr> <tr><td>MDR-9C</td><td>KM-FMD9WH</td><td></td></tr> <tr><td>MDR-9CP</td><td>KM-FMD9CP</td><td></td></tr> <tr><td>MDR-1GD-24C</td><td>KM-FMD24WH</td><td></td></tr> <tr><td>MDR-1GD-35C</td><td>KM-FMD35WH</td><td></td></tr> <tr><td>MDR-1GD-45C</td><td>KM-FMD45WH</td><td></td></tr> <tr><td>MDR-1GD-55C</td><td>KM-FMD55WH</td><td></td></tr> <tr><td>MDR-1GD-65C</td><td>KM-FMD65WH</td><td></td></tr> <tr><td>MDR-1GD-75C</td><td>KM-FMD75WH</td><td></td></tr> </tbody> </table> <p>Before using, please read the operating instructions carefully to ensure proper application and achieve satisfactory results.</p> <p>For any service-related issues, please call 1-800-334-4444 or visit www.koolmore.com</p>	Models	Refrigerators	Freezers	MDR-1GD-12C	KM-FMD12WH		MDR-9C	KM-FMD9WH		MDR-9CP	KM-FMD9CP		MDR-1GD-24C	KM-FMD24WH		MDR-1GD-35C	KM-FMD35WH		MDR-1GD-45C	KM-FMD45WH		MDR-1GD-55C	KM-FMD55WH		MDR-1GD-65C	KM-FMD65WH		MDR-1GD-75C	KM-FMD75WH		<p>KoolMore Commercial Refrigerator/Freezer Installation Guide</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>GLASS DOOR MERCHANDISERS</p> <p>COMMERCIAL REFRIGERATOR AND FREEZER</p> <p>USER MANUAL</p> <p>Glass Door Merchandisers</p> <p>Model: M23-1G, M53-2GSL, M78-3G</p> <p>Please read the manual thoroughly prior to equipment set up, operation and maintenance.</p>	<p>Koolmore Commercial Refrigerator and Freezer User Manual - Glass Door Merchandisers</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>KoolMore</p> <p>INSTRUCTION MANUAL</p> <p>UPRIGHT DISPLAY COOLER</p> <p>MDR-2GD-35C</p> <p>For any service-related issues, please call 1-800-334-4444 or visit www.koolmore.com</p>	<p>KoolMore MDR-2GD-35C Upright Display Cooler Instruction Manual</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>DIPPING CABINET</p> <p>Assembly Instructions</p> <p>Ice Cream Dipping Cabinet Glass Sneeze Guard</p> <p>MDR-1GD-12C, MDR-9C, MDR-9CP</p> <p>Intended for other than household use, but must be kept clear of combustibles at all times.</p>	<p>Koolmore Ice Cream Dipping Cabinet Glass Sneeze Guard Assembly Instructions</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>																														