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Omcan RE-CN-0052

Omcan 50052 Commercial Reach-In Refrigerator User Manual

Model: RE-CN-0052

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Omcan 50052 Commercial Reach-In Refrigerator. This 78-inch, 3-door swing glass cooler is designed for commercial use, featuring a painted steel exterior, high-density polyurethane insulation, and automatic defrosting. Please read these instructions thoroughly before operating the unit and retain them for future reference.



Figure 1: Omcan 50052 Commercial Reach-In Refrigerator. This image shows the front view of the large, three-door commercial refrigerator with glass doors, suitable for displaying products.

2. SAFETY INFORMATION

Always follow basic safety precautions when using this appliance to reduce the risk of fire, electric shock, or injury.

- Ensure the unit is properly grounded.
- Do not operate the unit with a damaged power cord or plug.
- Do not use extension cords or ungrounded adapters.
- Keep ventilation openings clear of obstructions.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Only qualified personnel should perform repairs.

- Disconnect power before cleaning or maintenance.

3. UNPACKING AND INSTALLATION

3.1 Unpacking

- Carefully remove all packaging materials.
- Inspect the refrigerator for any shipping damage. Report any damage immediately to the carrier and supplier.
- Retain packaging materials for potential future shipping or returns.

3.2 Placement

- Place the unit on a strong, level surface capable of supporting its weight (approximately 615 lbs / 279 kg net weight, 720 lbs / 327 kg item weight).
- Ensure adequate ventilation around the unit. Maintain at least 4 inches (10 cm) of clearance from walls and other objects for proper airflow.
- Avoid direct sunlight, heat sources, or areas with high humidity.
- The maximum ambient temperature rating for optimal operation is 90°F (32°C).

3.3 Electrical Connection

- The refrigerator requires a dedicated 110 V / 60 Hz, 10.7 Amps, 1 Phase electrical supply.
- Ensure the electrical outlet is properly grounded.
- Do not plug the unit into an outlet controlled by a wall switch or pull cord.
- Allow the unit to stand upright for at least 2 hours before plugging it in to allow compressor oils to settle.

4. SETUP

4.1 Initial Cleaning

Before first use, clean the interior and exterior surfaces with a mild detergent and warm water. Rinse thoroughly and dry completely.

4.2 Shelf Installation

The unit comes with 12 plastic-coated steel shelves. Install them at desired heights using the provided shelf clips. Ensure shelves are securely seated before loading products. Each shelf has a capacity of 90 lbs.

4.3 Initial Power-Up and Temperature Setting

- Plug the unit into the dedicated electrical outlet.
- The refrigerator will begin cooling. Allow several hours for the unit to reach its set temperature before loading products.
- The factory-set temperature range is typically between 0.5°C - 5°C (33°F - 41°F) or 0°C - 10°C (32°F - 50°F) depending on the specific model variant. Adjust the temperature using the digital controller as needed for your products.

5. OPERATING INSTRUCTIONS

5.1 Loading Products

- Do not overload shelves beyond their 90 lbs capacity.

- Ensure proper air circulation by not blocking the internal air vents.
- Distribute products evenly across shelves.

5.2 Door Usage

The unit features self-closing glass doors. Ensure doors close completely after each use to maintain internal temperature and energy efficiency.

5.3 Automatic Defrosting

This refrigerator is equipped with an automatic defrosting system. This system periodically melts away frost buildup on the evaporator coil, eliminating the need for manual defrosting. During defrost cycles, the internal temperature may temporarily rise slightly, which is normal.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your refrigerator. Always disconnect power before performing any maintenance.

6.1 Cleaning the Interior

- Clean the interior regularly with a mild, non-abrasive detergent and warm water.
- Remove shelves and clean them separately.
- Rinse thoroughly and dry all surfaces before reloading products.

6.2 Cleaning the Exterior

Wipe down the painted steel exterior with a soft cloth and mild cleaner. For glass doors, use a glass cleaner. Avoid abrasive cleaners or scouring pads.

6.3 Door Gasket Maintenance

The unit features removable door gaskets. Regularly inspect gaskets for cracks or tears. Clean them with warm, soapy water to ensure a tight seal. Replace damaged gaskets promptly to maintain energy efficiency.

6.4 Condenser Coil Cleaning

The condenser coil should be cleaned every 30-90 days, depending on the operating environment. A dirty condenser coil reduces cooling efficiency and increases energy consumption. Use a stiff brush or vacuum cleaner to remove dust and debris from the coil. For commercial settings, professional cleaning is recommended.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Refrigerator not cooling	Power cord unplugged; circuit breaker tripped; thermostat set too high; condenser coil dirty; door not closing properly.	Check power connection; reset breaker; adjust thermostat; clean condenser coil; ensure doors are sealed.
Excessive noise	Unit not level; loose components; fan motor issue.	Level the unit; check for loose parts; contact service if fan noise persists.

Problem	Possible Cause	Solution
Water on floor (leaking)	Drain line clogged; drain pan overflowing; door gasket damaged.	Clear drain line; empty/clean drain pan; inspect and replace door gasket.
Doors not closing properly	Door gasket dirty or damaged; unit not level; hinges misaligned.	Clean or replace gasket; level the unit; adjust hinges (professional service recommended).

If problems persist after attempting these solutions, contact qualified service personnel.

8. SPECIFICATIONS

Feature	Detail
Model Number	RE-CN-0052
Brand	Omcan
Type	Commercial Reach-In Refrigerator, 3-Door Swing Glass Cooler
Exterior Dimensions (WDH)	78.27" x 29.9" x 84.64" (1988 x 759 x 2150 mm)
Interior Dimensions (WDH)	73.5" x 25.6" x 55.7" (1872 x 650 x 1415 mm)
Net Volume	53 cu. ft.
Temperature Range	0.5°C - 5°C (33°F - 41°F) or 0°C - 10°C (32°F - 50°F)
Max Ambient Temperature	90°F (32°C)
Horsepower	3/4 HP
Electrical	110 V / 60 Hz, 10.7 Amps, 1 Phase
Refrigerant	R290
Cooling System	Ventilated
Defrost System	Automatic
Number of Doors	3 (Self-closing glass doors)
Number of Shelves	12 (Plastic coated steel shelves with shelf tag holder)
Shelf Capacity	90 lbs. per shelf
Exterior Material	Painted steel
Insulation	High-density polyurethane
Net Weight	615 lbs. (279 kg)
Item Weight (Shipping)	720 lbs.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Omcan 50052 Commercial Reach-In Refrigerator comes with the following manufacturer's warranty:

- **2-year parts and labor warranty.**
- **5-year parts only warranty on the compressor.**

Please retain your proof of purchase for warranty claims. Warranty terms and conditions may apply.

9.2 Customer Support

For technical assistance, parts, or warranty inquiries, please contact your supplier or Omcan customer service. Refer to your purchase documentation for specific contact details.