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› Cooler Depot CLG-1320BF Commercial 3-Door Glass Refrigerator Instruction Manual

cooler depot CLG-1320BF

Cooler Depot CLG-1320BF Commercial 3-Door Glass Refrigerator Instruction Manual

1. INTRODUCTION

Thank you for choosing the Cooler Depot CLG-1320BF Commercial 3-Door Glass Refrigerator. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new merchandiser. Please read these instructions thoroughly before installation and use, and retain them for future reference.

This commercial display refrigerator is designed for storing and displaying non-potentially hazardous bottled or canned products. It features a 69 cubic feet capacity, three self-closing glass doors, LED lighting, and a digital temperature control system. The unit is NSF and ETL certified, ensuring compliance with public health and safety standards.



SHOWCASE

[DIRECT COOLING]

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Features and Benefits

- Fan assisted cooling
- Static cooling
- Manual defrost
- Interior and canopy LED light with switch
- Adjustable shelves
- Casters 2 lockable (For option)
- Fan assisted condenser
- Electronic display
- Replaceable door gasket

Technical Specifications

Temperature Range	0 ~ 10°C
Refrigerant	R134a/R290
Type of Defrost	Manual
Exterior Finish	White/Black
Interior Finish	White
Max Ambient	38°C

MODEL NO	Volume gross(lt)	External Dimension WxDxH(mm)	Packing, carton WxDxH(mm)	Weight Net /Weight Gross(Kg)	20'/40' Container /40HQ Container
LG-1320	1320	1890x680x2096	1945x725x2196	174/194	18

Figure 1: Front view of the CLG-1320BF Commercial 3-Door Glass Refrigerator with doors open.

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Video 1: Overview of the CLG-1320BF 3-door glass refrigerator, demonstrating its features and design.

2. SAFETY INFORMATION

To prevent injury to users or damage to the unit, please observe the following safety precautions:

- **Electrical Safety:** Ensure the unit is connected to a dedicated 110V AC, 60Hz power outlet with proper grounding. Do not use extension cords or adapter plugs.
- **Ventilation:** Maintain adequate clearance around the unit for proper airflow and heat dissipation. Refer to installation guidelines for specific distances.
- **Flammable Materials:** Do not store explosive substances or flammable materials inside or near the refrigerator. The refrigerant used is R-290, which is flammable.
- **Children:** Keep children away from the unit. Ensure doors cannot be accidentally closed on children.
- **Service:** All maintenance and repair work should be performed by qualified service personnel.

- **Cleaning:** Disconnect power before cleaning or performing any maintenance.

3. UNPACKING AND INSTALLATION

3.1 Unpacking

1. Carefully remove all packaging materials, including tape and protective film.
2. Inspect the unit for any shipping damage. Report any damage to the carrier immediately.
3. Retain packaging materials for potential future transport or warranty claims.

3.2 Placement

- Place the refrigerator on a strong, level surface capable of supporting its weight when fully loaded.
- Avoid direct sunlight, heat sources, or areas with high humidity.
- Ensure adequate ventilation. Maintain a minimum clearance of 4 inches (10 cm) from walls or other obstructions on the sides and rear, and 12 inches (30 cm) above the unit for proper airflow to the condenser.



Figure 2: Rear view of the CLG-1320BF, highlighting the ventilation area at the bottom.

3.3 Leveling

The unit is equipped with 4 lockable castor wheels. Use a level to ensure the refrigerator is perfectly level. Adjust the castor wheels as needed to achieve stability and proper door alignment.

3.4 Electrical Connection

- Before plugging in, allow the unit to stand upright for at least 2 hours to allow compressor oils to settle.
- Connect the refrigerator to a dedicated 110V AC, 60Hz, 15 Amp grounded electrical outlet.
- Do not use extension cords or multi-outlet adapters.
- Ensure the power cord is not pinched or damaged.

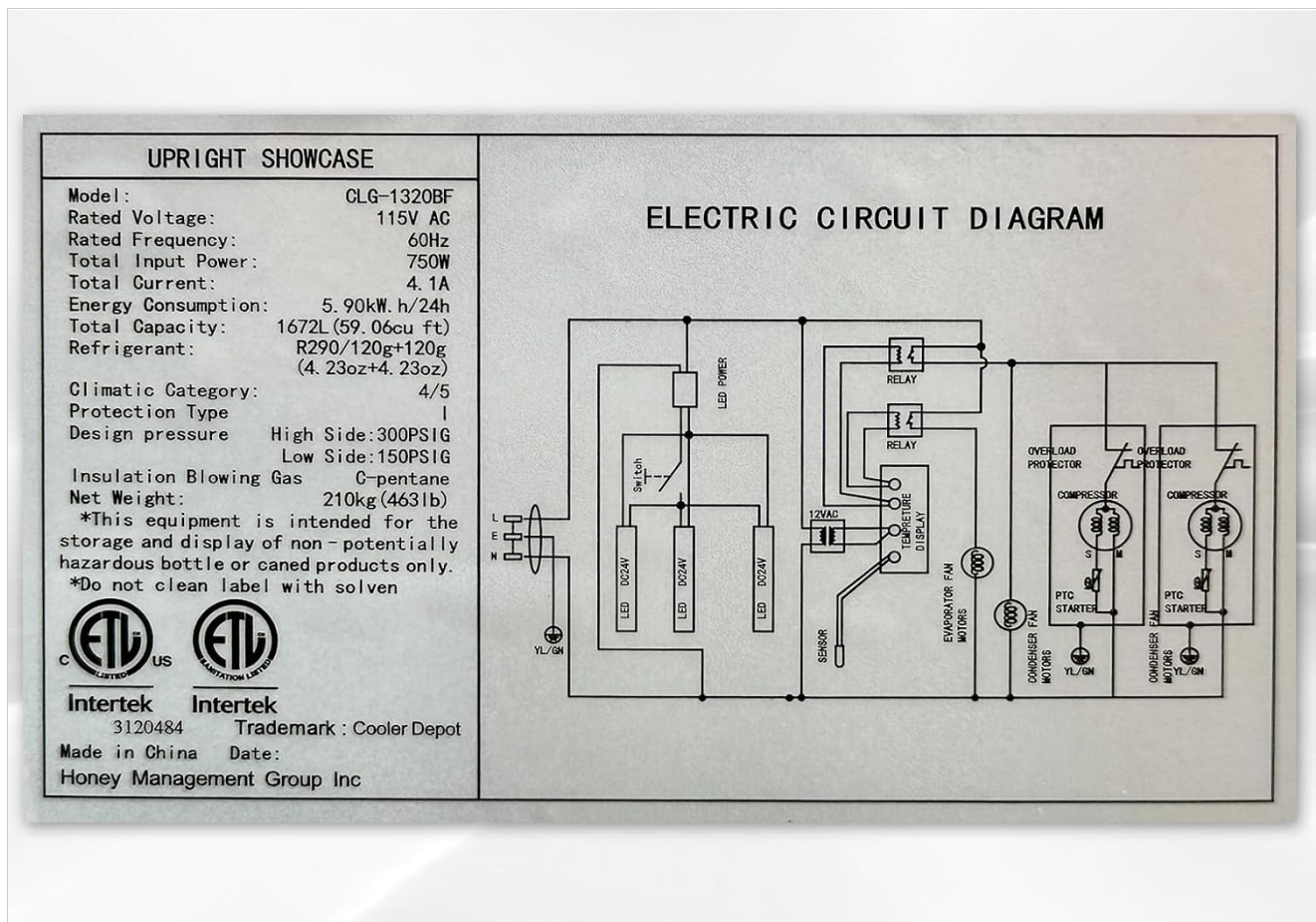


Figure 3: Electrical circuit diagram for the CLG-1320BF model, showing wiring for compressor, fans, and LED lights.

3.5 Shelf Installation

The unit comes with 12 epoxy-coated shelves. Install them by inserting the shelf clips into the desired slots on the interior shelf supports. Ensure all clips are securely seated and the shelves are level before loading products.

4. SETUP

4.1 Initial Cleaning

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

4.2 Power On and Initial Cooling

1. Plug the unit into the dedicated electrical outlet.
2. Turn on the main power switch, typically located near the digital controller or on the top panel.

3. Allow the refrigerator to operate empty for at least 2-4 hours to reach its set temperature before loading products.



Figure 4: Detail of the top panel, showing the power switches for the unit and internal lighting.

5. OPERATING INSTRUCTIONS

5.1 Temperature Control

The CLG-1320BF is equipped with a digital thermometer display and control knob for temperature adjustment. The recommended operating temperature range is 2°C to 8°C (35°F to 46°F).



Figure 5: Digital temperature controller with display and adjustment buttons.

- **To View Current Temperature:** The display typically shows the current internal temperature.
- **To Adjust Set Temperature:** Press the 'SET' button, then use the up/down arrows to select the desired temperature. Press 'SET' again to confirm.

5.2 Loading Products

- Do not overload shelves. Ensure proper air circulation around products for efficient cooling.
- Avoid blocking the internal air vents.
- Keep doors closed as much as possible to maintain stable internal temperatures and conserve energy.

5.3 Internal Lighting

The unit features LED lights for product display. These can typically be controlled by a separate switch on the top panel (refer to Figure 4).

6. MAINTENANCE

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

6.1 Cleaning the Interior

- Disconnect power before cleaning.
- Remove all products and shelves.
- Clean interior surfaces with a mild, non-abrasive detergent and warm water. Do not use harsh chemicals or abrasive cleaners.
- Rinse with clean water and dry thoroughly.

6.2 Cleaning the Exterior

- Wipe exterior surfaces with a soft cloth and mild detergent.
- Clean glass doors with a glass cleaner.

6.3 Condenser Coil Cleaning

The condenser coil, located at the bottom of the unit, should be cleaned regularly (monthly or quarterly, depending on environment) to ensure efficient operation. Dust and debris buildup can reduce cooling efficiency and increase energy consumption.

- Disconnect power.
- Locate the condenser coil behind the bottom grille.
- Use a stiff brush or vacuum cleaner with a brush attachment to remove dust and debris from the fins.
- Reconnect power after cleaning.

6.4 Door Gasket Maintenance

Inspect door gaskets regularly for cracks or tears. Clean gaskets with warm, soapy water to maintain a proper seal. A damaged gasket can lead to air leaks and reduced cooling efficiency.

6.5 Manual Defrost

This unit features manual defrost. When ice buildup on the evaporator coils exceeds 1/4 inch (6 mm), manual defrosting is required.

1. Disconnect power to the unit.
2. Remove all products from the refrigerator.
3. Keep the doors open to allow ice to melt naturally. Place towels on the floor to absorb water.
4. Do not use sharp objects or heating devices to speed up defrosting, as this can damage the unit.
5. Once all ice has melted, clean and dry the interior.
6. Reconnect power and allow the unit to cool down before reloading products.

7. TROUBLESHOOTING

Before contacting service, please check the following common issues:

Problem	Possible Cause	Solution
Refrigerator not cooling	No power; thermostat set too high; condenser coil dirty; door left open.	Check power connection/breaker; adjust thermostat; clean condenser coil; ensure doors are closed.

Problem	Possible Cause	Solution
Excessive noise	Unit not level; fan obstruction; loose components.	Level the unit; check for obstructions around fans; contact service if noise persists.
Excessive condensation	High humidity; frequent door openings; faulty door gasket.	Ensure proper ventilation; minimize door openings; inspect and clean/replace door gasket.
Light not working	Light switch off; LED bulb failure.	Check light switch; contact service for LED replacement.

If problems persist after attempting these solutions, please contact Cooler Depot customer service.

8. SPECIFICATIONS

Technical specifications for the Cooler Depot CLG-1320BF Commercial 3-Door Glass Refrigerator:

Feature	Specification
Model	CLG-1320BF
Brand	Cooler Depot
Product Dimensions (D x W x H)	26" x 74" x 82"
Capacity	69 cubic feet
Number of Doors	3
Door Type	Glass, Self-closing Swing
Number of Shelves	12 (Epoxy Coated Wire)
Voltage	110V AC
Refrigerant	R-290
Temperature Range	2°C to 8°C (35°F to 46°F)
Defrost Type	Manual
Certifications	NSF, ETL
Special Features	LED Lighting, Digital Temperature Display, 4 Lockable Castor Wheels



Figure 6: Dimensional drawing of the CLG-1320BF refrigerator.

9. WARRANTY AND SUPPORT

Cooler Depot provides the following warranty for the CLG-1320BF Commercial 3-Door Glass Refrigerator:

- **All-Parts Warranty:** 3 Years
- **Compressor Warranty:** 6 Years
- **Labor Warranty:** 1 Year

For warranty claims, technical support, or service inquiries, please contact Cooler Depot customer service. Ensure you have your model number (CLG-1320BF) and purchase date available when contacting support.