

Kool-It KGF-23

Kool-It KGF-23 Single Glass Door Freezer Merchandiser User Manual

Model: KGF-23

1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before operating this appliance to ensure safe and efficient use. Retain this manual for future reference.

- **Electrical Safety:** Ensure the unit is connected to a properly grounded 115V, 60Hz dedicated electrical outlet. Do not use extension cords or adapter plugs.
- **Placement:** Position the freezer on a level, stable surface capable of supporting its weight when fully loaded. Allow adequate clearance around the unit for proper ventilation.
- **Refrigerant:** This unit uses R-290 refrigerant. Servicing should only be performed by qualified personnel.
- **Ventilation:** Do not block ventilation openings on the appliance enclosure or in the built-in structure.
- **Cleaning:** Disconnect power before cleaning or performing maintenance.
- **Children:** Keep children away from the appliance.

2. PRODUCT OVERVIEW

The Kool-It KGF-23 is a one-section single glass door freezer merchandiser designed for commercial use. It provides 23 cubic feet of storage for frozen products, maintaining temperatures down to -10°F (-23°C).



Figure 1: Kool-It KGF-23 Single Glass Door Freezer Merchandiser. This image shows the full front view of the black freezer merchandiser with a single glass door, interior shelving, and an illuminated sign panel at the top. The compressor section is visible at the bottom, and the unit is on casters.

Key Features:

- **Capacity:** 23 cubic feet of internal storage.
- **Temperature Range:** Maintains temperatures down to -10°F (-23°C).
- **Door:** Triple-pane heated glass door with a transparent thermal insulating film, self-closing mechanism, and locking feature.
- **Interior:** White powder-coated steel interior with LED lighting.
- **Shelving:** Four heavy-duty polyethylene-coated adjustable wire shelves.
- **Exterior:** Black baked enamel steel finish.
- **Control:** Digital temperature readout display with electronic thermostatic control.
- **Mobility:** Equipped with 2-1/2" casters for easy movement.
- **Refrigerant:** R-290.

3. SETUP AND INSTALLATION

3.1 Unpacking

1. Carefully remove all packaging materials, including any protective film or tape.
2. Inspect the unit for any shipping damage. Report any damage immediately to the carrier and supplier.
3. Ensure all accessories, including shelves and shelf clips, are present.

3.2 Location

- Place the freezer on a strong, level floor capable of supporting the unit's weight.
- Avoid direct sunlight or proximity to heat-generating equipment (e.g., ovens, heaters).
- Ensure adequate air circulation around the unit. Maintain a minimum of 4 inches (10 cm) clearance from walls or other obstructions on all sides and top.
- The unit is equipped with 2-1/2" casters for mobility. Once positioned, ensure the casters are locked to prevent accidental movement.

3.3 Electrical Connection

- Before plugging in, allow the unit to stand upright for at least 2 hours to allow compressor oils to settle.
- Connect the freezer to a dedicated 115V, 60Hz, 15 Amp (minimum) grounded electrical outlet.
- Do not use extension cords or multi-outlet adapters.

3.4 Shelf Installation

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

4. OPERATING INSTRUCTIONS

4.1 Initial Startup

1. After connecting to power, the unit will begin to cool.
2. Allow the freezer to operate empty for at least 2-4 hours to reach the desired temperature before loading products.
3. The digital display will show the current internal temperature.

4.2 Temperature Control

- The electronic thermostat is controlled via a digital LED display located on the front of the unit.
- Refer to the specific controls on the unit for setting the desired temperature. Typically, there are "Set" or "Program" buttons along with up/down arrows.
- The recommended operating temperature for frozen foods is -10°F (-23°C).

4.3 Loading Products

- Do not overload shelves. Ensure proper air circulation around products for efficient cooling.
- Avoid blocking the internal air vents.
- Ensure the self-closing door fully seals after each opening to maintain temperature.

4.4 Door Lock

The glass door is equipped with a lock to secure contents when the unit is not in service or unattended. Use the provided

key to lock and unlock the door.

5. MAINTENANCE

5.1 Cleaning the Interior

1. **Disconnect Power:** Always unplug the unit before cleaning.
2. Remove all products and shelves.
3. Clean the interior surfaces with a mild detergent and warm water. Avoid abrasive cleaners or sharp objects.
4. Rinse thoroughly with clean water and dry completely before restoring power and reloading products.
5. Clean shelves with warm, soapy water and dry them before reinstallation.

5.2 Cleaning the Exterior

- Wipe down the black baked enamel steel exterior with a soft cloth and mild cleaner.
- Clean the glass door with a glass cleaner. Do not spray cleaner directly onto the door seals or electrical components.

5.3 Condenser Coil Cleaning

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

- **Disconnect Power:** Unplug the unit.
- Remove the front grille panel to access the condenser coil.
- Use a stiff brush or vacuum cleaner with a brush attachment to remove dust and debris from the coil fins.
- Reinstall the grille panel and restore power.

5.4 Door Gaskets

Inspect door gaskets regularly for cracks or tears. Clean them with warm, soapy water. Ensure they form a tight seal when the door is closed to prevent cold air loss.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not run	<ul style="list-style-type: none">• Power cord unplugged• Circuit breaker tripped / fuse blown• Power switch off	<ul style="list-style-type: none">• Plug in power cord securely• Reset circuit breaker / replace fuse• Turn power switch on
Temperature is too warm	<ul style="list-style-type: none">• Door not closed properly• Excessive door openings• Condenser coil dirty• Thermostat set too high• Unit overloaded• Poor ventilation	<ul style="list-style-type: none">• Ensure door seals completely• Minimize door openings• Clean condenser coil (see Section 5.3)• Adjust thermostat to a lower setting• Reduce product load• Ensure adequate clearance around unit

Problem	Possible Cause	Solution
Excessive noise	<ul style="list-style-type: none">• Unit not level• Loose components	<ul style="list-style-type: none">• Level the unit using the casters/feet• Contact qualified service personnel

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

7. SPECIFICATIONS

Feature	Detail
Model Number	KGF-23
Brand	Kool-It
Product Dimensions (D x W x H)	31.9" x 26.8" x 81.1" (81.0 cm x 68.1 cm x 206.0 cm)
Weight	353 Pounds (160.1 kg)
Capacity	23 Cubic Feet
Refrigerant	R-290
Electrical Requirements	115V, 60Hz
Temperature Range	Holds -10°F (-23°C)
Exterior Material	Black baked enamel steel
Interior Material	White baked enamel steel, stainless steel base
Door Type	Triple pane heated glass, self-closing, locking
Shelves	4 heavy-duty polyethylene coated adjustable wire shelves

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or contact Kool-It customer service directly. Ensure you have your model number (KGF-23) and purchase date available when contacting support.

Manufacturer: Kool-It

Date First Available: April 25, 2015