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Atosa MGF8406

Atosa MGF8406 Undercounter Worktop Freezer

Instruction Manual

Model: MGF8406 | Brand: Atosa

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Atosa MGF8406 Undercounter Worktop Freezer. Please read all instructions carefully before installation and use to ensure proper function and to prevent injury or damage.



Image 1.1: Atosa MGF8406 Undercounter Worktop Freezer. This image displays the front view of the freezer, highlighting its two solid stainless steel doors and the worktop surface.

The Atosa MGF8406 is a 48-inch, two-section undercounter worktop freezer designed for commercial food preparation environments. It features a rear-mounted self-contained refrigeration system, 13.38 cubic feet of storage, two hinged solid doors, and a digital temperature control maintaining temperatures between -8°F and 0°F. The unit includes two adjustable epoxy-coated shelves, automatic evaporation, electric defrost, and a durable stainless steel interior and exterior with a galvanized steel back. It operates on 115V/60/1-ph power and uses R290 Hydrocarbon refrigerant.

2. SAFETY INFORMATION

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

- **Electrical Safety:** Ensure the unit is connected to a properly grounded 115V/60Hz/1-ph electrical outlet with a dedicated circuit. Do not use extension cords.
- **Flammable Refrigerant:** This unit uses R290 (Propane) refrigerant, which is flammable. Handle with care and ensure proper ventilation during installation and servicing. Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

- **Ventilation:** Maintain adequate clearance around the unit for proper airflow and heat dissipation.
 - **Cleaning:** Disconnect power before cleaning or performing any maintenance.
 - **Service:** All servicing should be performed by qualified personnel.
 - **Weight:** The unit is heavy (280 lbs). Use appropriate lifting techniques and equipment during unpacking and placement to prevent injury.
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3. SETUP AND INSTALLATION

3.1 Unpacking

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

3.2 Placement

Position the freezer on a strong, level surface capable of supporting its weight (280 lbs) plus the weight of its contents. Ensure the following clearances for proper ventilation:

- **Rear:** Minimum 4 inches (10 cm)
- **Sides:** Minimum 2 inches (5 cm)
- **Top:** Minimum 6 inches (15 cm)

Avoid placing the unit near heat sources, in direct sunlight, or in areas with high humidity.

3.3 Caster Installation

The unit comes with 2-inch casters for mobility. To install:

1. Carefully tilt the unit to access the bottom. It is recommended to have at least two people for this task.
2. Screw the threaded stems of the casters into the designated holes at the bottom corners of the freezer. Ensure they are tightened securely.
3. Return the unit to an upright position. Lock the front casters to prevent movement.

3.4 Shelf Installation

The freezer includes two adjustable epoxy-coated shelves. To install:

1. Locate the shelf clips inside the cabinet.
2. Insert the shelf clips into the desired vertical slots on the shelf supports, ensuring they are level.
3. Place the shelves onto the installed clips.

3.5 Electrical Connection

Before plugging in the unit, ensure the power supply matches the specifications: 115V/60Hz/1-ph, 2.6 Amps, NEMA 5-15P plug. Connect the unit directly to a dedicated, grounded electrical outlet. Do not use adapter plugs or extension cords.

After connecting, allow the unit to stand for at least 2 hours before turning it on to allow refrigerants and oils to settle.

4. OPERATING INSTRUCTIONS

4.1 Initial Startup

After the 2-hour waiting period, plug in the unit. The compressor will start, and the internal temperature will begin to drop. Allow the freezer to operate for several hours empty to reach its set temperature before loading products.

4.2 Temperature Adjustment

The freezer is equipped with a digital temperature control panel, typically located on the front or side of the unit. The factory preset temperature range is -8°F to 0°F.

1. **View Current Temperature:** Press the 'SET' button once. The display will show the current set point.
2. **Adjust Temperature:** Press and hold the 'SET' button for 3 seconds. The set point value will flash. Use the 'UP' or 'DOWN' arrow buttons to adjust the desired temperature. Press 'SET' again to confirm the new setting.

4.3 Loading Guidelines

To ensure optimal performance and temperature maintenance:

- Do not overload shelves. Ensure proper air circulation around products.
- Avoid blocking the internal air vents.
- Close doors promptly after opening to minimize temperature fluctuations. The magnetic door gaskets provide an energy-efficient seal.
- The recessed door handles allow for easy opening and closing without obstruction.

5. MAINTENANCE

5.1 Cleaning

Regular cleaning is essential for hygiene and efficient operation.

1. **Disconnect Power:** Always unplug the unit before cleaning.
2. **Interior:** Clean the interior surfaces with a mild soap and warm water solution. Rinse with clean water and dry thoroughly. Do not use abrasive cleaners or scouring pads.
3. **Exterior:** Wipe down the stainless steel exterior with a soft cloth and a stainless steel cleaner. Follow the grain of the stainless steel.
4. **Condenser Coil:** The condenser coil should be cleaned regularly (monthly or quarterly depending on environment) to ensure efficient cooling. Disconnect power, locate the condenser coil (typically at the rear or bottom), and use a brush or vacuum cleaner to remove dust and debris.

5.2 Defrosting

This unit features an electric defrost system, which automatically manages ice buildup. Manual defrosting is generally not required. If excessive ice accumulation occurs, contact a qualified service technician.

5.3 Gasket Care

Inspect the magnetic door gaskets regularly for cracks or tears. Clean them with warm, soapy water to maintain their flexibility and sealing effectiveness. Replace damaged gaskets promptly to prevent energy loss.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit not cooling	No power; thermostat set too high; condenser coil dirty; door left open; fan motor failure.	Check power supply; adjust thermostat; clean condenser coil; ensure doors are closed; contact service.
Excessive noise	Unit not level; loose components; fan obstruction.	Level the unit; check for loose parts; clear fan obstruction; contact service if noise persists.
Water on floor	Drain pan overflowing; clogged drain line; excessive humidity.	Check and empty drain pan; clear drain line; ensure proper door closure.
Doors not sealing	Dirty or damaged gaskets; unit not level.	Clean or replace gaskets; level the unit.

7. SPECIFICATIONS

Feature	Specification
Model Number	MGF8406
Dimensions (W x D x H)	48.2" x 30" x 34.1" (122.4 cm x 76.2 cm x 86.6 cm)
Item Weight	280 lbs (127 kg)
Capacity	13.38 cu. ft.
Temperature Range	-8°F to 0°F (-22°C to -18°C)
Refrigerant	R290 Hydrocarbon
Electrical	115V/60Hz/1-ph, 2.6 Amps
Plug Type	NEMA 5-15P
Doors	2 Solid Swing Doors
Shelves	2 Adjustable, Epoxy Coated
Defrost System	Electric Defrost
Exterior Material	Stainless Steel
Interior Material	Stainless Steel

Feature	Specification
Certifications	cETLus, ETL-Sanitation
Included Accessories	Casters, Shelves

8. WARRANTY AND SUPPORT

Atosa products are manufactured to high-quality standards. This product typically comes with a limited warranty covering defects in materials and workmanship. Specific warranty terms and duration may vary by region and purchase date. Please refer to your purchase documentation or contact your authorized dealer for detailed warranty information.

Customer Support

For technical assistance, parts, or service inquiries, please contact your authorized Atosa dealer or visit the official Atosa website for support resources. When contacting support, please have your model number (MGF8406) and serial number readily available.
