

Manuals.plus /

- › Atosa /
- › Atosa MBF8001 Commercial Freezer Instruction Manual

Atosa MBF8001

Atosa MBF8001 Commercial Freezer Instruction Manual

Model: **MBF8001** | Brand: **Atosa**

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Atosa MBF8001 Commercial Freezer. This single 1-door top mount stainless steel reach-in freezer offers 21.4 cubic feet of storage, designed for commercial kitchen environments.

Key features include a powerful refrigeration system, environmentally safe R290 Hydrocarbon refrigerant, and a durable stainless steel construction for both interior and exterior, complemented by a galvanized steel back. The unit is equipped with 4-inch casters for mobility and a locking hinged solid door for secure storage.





Figure 1: Atosa MBF8001 Commercial Freezer with its door closed, showcasing the stainless steel exterior and integrated handle.

2. SAFETY INFORMATION

Always prioritize safety when installing, operating, or maintaining this appliance. Failure to follow safety guidelines can result in property damage, injury, or death.

- **Electrical Safety:** Ensure the unit is connected to a properly grounded 115V/60Hz/1-ph power supply with a NEMA 5-15P plug. Do not use extension cords.
- **Refrigerant:** This unit uses R290 Hydrocarbon refrigerant. Servicing should only be performed by qualified

personnel.

- **Ventilation:** Ensure adequate airflow around the unit for proper operation and to prevent overheating.
- **Stability:** Once positioned, ensure the casters are locked to prevent accidental movement.
- **Temperature Control:** The unit's controller is pre-programmed to maintain temperatures within the safety zone (-8°F to 0°F) to comply with health regulations. Do not tamper with temperature settings beyond recommended operational ranges.
- **Heavy Appliance:** This unit is heavy (approximately 236 pounds). Use appropriate lifting techniques and equipment during installation and relocation.

3. PRODUCT FEATURES

The Atosa MBF8001 freezer is designed with user convenience and food preservation in mind:

- **Adjustable Shelves:** Three plastic-coated wire shelves are included, allowing for customized storage configurations. These shelves resist corrosion and rusting.
- **LED Interior Lighting:** Bright LED lighting ensures optimal visibility of stored items.
- **Efficient Defrost System:** Features electric defrost and automatic evaporation for consistent performance and minimal maintenance.
- **Locking Hinged Solid Door:** Provides secure storage, protecting contents and preventing unauthorized access.
- **Convenient Mobility:** Equipped with 4-inch casters for easy transport and positioning.
- **Digital Temperature Control:** Allows for precise temperature management within the freezer's operational range.





Figure 2: Interior view of the Atosa MBF8001 freezer, showing the adjustable wire shelves and LED lighting for clear visibility.

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your freezer. This unit is designed for freestanding installation.

1. **Unpacking:** The unit arrives crated on a pallet. Carefully remove the outer packaging.
2. **Lifting:** The unit is heavy. With at least two people, lift the freezer straight up off the pallet, ensuring the wheels clear any wooden boxes or restraints attached to the pallet.
3. **Remove Shipping Materials:** Locate and remove any metal straps or shipping brackets, especially those around the compressor at the back of the unit. Refer to any warning stickers on the unit.

4. **Placement:** Position the freezer on a level, stable surface. Ensure there is adequate clearance around the unit for ventilation, especially at the top and back where the compressor is located.
5. **Power Connection:** Plug the unit into a dedicated 115V/60Hz/1-ph grounded electrical outlet. The unit draws 6.3 amps and uses a NEMA 5-15P plug. Do not use adapters or extension cords.
6. **Initial Startup:** Allow the freezer to sit for at least 2-4 hours after moving before plugging it in. This allows refrigerants and oils to settle. Once plugged in, allow the unit to reach its operating temperature before loading with food.

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Video 1: An overview of the Atosa Commercial Refrigerator/Freezer, demonstrating its features and internal storage capacity. This video highlights the spacious cabinet, adjustable shelves, and the digital temperature control system.

5. OPERATING INSTRUCTIONS

Your Atosa MBF8001 freezer is designed for straightforward operation.

- **Power On/Off:** Use the main power switch, typically located near the digital display, to turn the unit on or off.
- **Temperature Adjustment:** The digital temperature control allows you to set the desired temperature within the range of -8°F to 0°F. Consult the display panel's specific instructions for setting the temperature. The controller is pre-programmed to maintain these temperatures for food safety.
- **Loading:** Arrange food items on the adjustable shelves, ensuring not to block the internal fan or air vents for optimal circulation.
- **Door Operation:** The hinged solid door features a lock for security. Ensure the door is fully closed after each use to maintain internal temperature and energy efficiency.
- **LED Lighting:** The interior LED lighting can be controlled via a switch, providing clear visibility when needed.

6. MAINTENANCE

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

- **Cleaning the Interior:** Regularly clean the stainless steel interior and plastic-coated shelves with a mild, non-abrasive cleaner and warm water. Rinse thoroughly and dry.
- **Cleaning the Exterior:** Wipe down the stainless steel exterior with a soft cloth and a stainless steel cleaner. Avoid abrasive pads or cleaners that can scratch the surface.
- **Condenser Coil Cleaning:** The condenser coil, typically located at the top, should be cleaned periodically (e.g., monthly or quarterly) to ensure efficient operation. Dust and debris can accumulate, reducing cooling efficiency. Disconnect power before cleaning.
- **Door Gaskets:** Inspect door gaskets regularly for tears or damage. Clean them with warm, soapy water to maintain a tight seal. Replace damaged gaskets promptly.
- **Defrost System:** The unit features automatic electric defrost and automatic evaporation. While largely maintenance-free, ensure the drain pan and lines are clear of obstructions.
- **Casters:** Keep casters clean and free of debris to ensure smooth mobility. Lock them when the unit is in its final position.

7. TROUBLESHOOTING

Before contacting service, review these common issues and solutions:

Problem	Possible Cause	Solution
Freezer not cooling	Power supply issue, thermostat setting, dirty condenser coil, door not sealed.	Check power connection and circuit breaker. Verify thermostat setting. Clean condenser coil. Inspect and clean door gaskets.
Excessive noise	Unit not level, loose components, fan obstruction.	Ensure unit is level. Check for loose parts. Clear any obstructions from fan blades.
Water on floor	Clogged drain line, damaged drain pan.	Clear drain line. Inspect drain pan for damage.
Door not closing properly	Obstructed door, damaged gasket, unit not level.	Remove obstructions. Replace damaged gasket. Level the unit.

If issues persist after attempting these solutions, contact a qualified service technician.

8. SPECIFICATIONS

Detailed technical specifications for the Atosa MBF8001 Commercial Freezer:

Brand Name: Atosa

Model Info: MBF8001

Item Model Number: MBF8001

Product Dimensions (D x W x H): 31.7 x 28.7 x 81.3 inches

Item Weight: 236 pounds

Capacity: 21.4 Cubic Feet

Installation Type: Freestanding

Form Factor: Top Freezer

Color: Stainless Steel

Voltage: 115 Volts

Frequency: 60 Hz

Phase: 1-ph

Cooling Input: 650W 7.5A

Defrost Input: 630W 5.3A

Door Hinges: Top

Door Material Type: Stainless Steel

Shelf Type: Wire

Number of Shelves: 3 (adjustable)

Refrigerant: R290 Hydrocarbon

Temperature Range: -8°F to 0°F

Included Components: Adjustable Shelves

Certification: ETL, Intertek (reach)

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact Atosa customer service or your authorized dealer. Keep your purchase receipt and model number (MBF8001) readily available when contacting support.

Additional protection plans may be available for purchase. Refer to your sales documentation for details on extended warranties or service agreements.