

TECHTONGDA 210097

TECHTONGDA Countertop Display Refrigerator Cake Showcase (Model 210097) Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new TECHTONGDA Countertop Display Refrigerator Cake Showcase, Model 210097. Please read these instructions thoroughly before use and retain them for future reference. Proper adherence to these guidelines will ensure optimal performance and longevity of your appliance.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury.

- **Electrical Safety:** Ensure the appliance is connected to a properly grounded 220V power outlet. Do not use extension cords or adapters. Disconnect power before cleaning or performing any maintenance.
- **Placement:** Position the unit on a stable, level surface. Ensure adequate ventilation around the compressor area to prevent overheating. Maintain a minimum clearance of 4 inches (10 cm) from walls or other obstructions.
- **Handling:** The unit contains tempered glass. Handle with care to avoid breakage. Do not place heavy objects on top of the unit.
- **Flammable Materials:** Do not store explosive substances or flammable materials inside or near the appliance.
- **Children:** Keep children away from the appliance. Do not allow them to play with or inside the unit.
- **Cleaning:** Use only mild, non-abrasive cleaning agents. Avoid spraying water directly onto electrical components.

3. PRODUCT OVERVIEW

The TECHTONGDA Countertop Display Refrigerator is designed for commercial use, featuring a sleek design with

tempered glass and internal LED lighting to showcase products effectively. It includes automatic defrost and digital temperature controls.

3.1 Components

- Tempered Glass Panels (Front curved, sides, and back sliding doors)
- Adjustable Glass Shelves
- Internal Yellow LED Lighting
- Digital Temperature Control Panel
- Compressor Unit (located at the base)
- Ventilation Grilles

Electric heater strip in the front glass for demisting

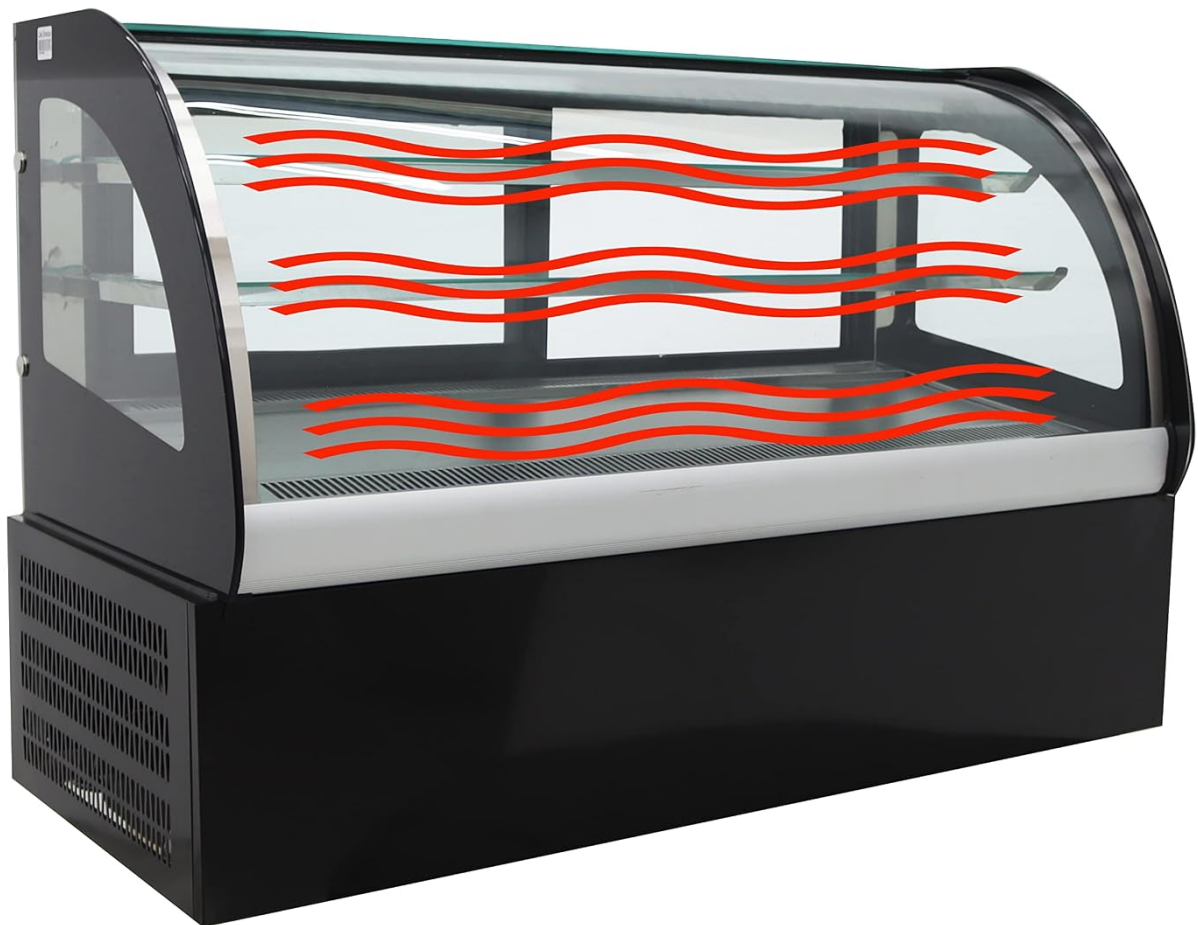


Figure 1: Front view of the TECHTONGDA Countertop Display Refrigerator.



Figure 2: Product dimensions. Overall dimensions: 47"W x 27.5"D x 34.6"H (120cm x 70cm x 88cm).

4. INSTALLATION AND SETUP

4.1 Unpacking

1. Carefully remove all packaging materials. Inspect the unit for any shipping damage. Report any damage immediately to the carrier and supplier.
2. Remove all protective films and tapes from the surfaces.

4.2 Placement

1. Place the display refrigerator on a sturdy, level countertop or surface capable of supporting its weight when fully loaded.
2. Ensure there is adequate air circulation around the unit, especially at the rear and sides where the compressor is located. Maintain at least 4 inches (10 cm) of clearance.
3. Avoid direct sunlight, heat sources, or areas with high humidity, as these can affect cooling efficiency.

4.3 Electrical Connection

1. Verify that the power supply matches the voltage requirements specified on the product label (220V).
2. Plug the unit into a dedicated, grounded electrical outlet. Do not use multi-outlet adapters or extension cords.

4.4 Initial Cleaning

1. Before first use, clean the interior and exterior surfaces with a mild detergent and a soft cloth. Rinse thoroughly and dry completely.
2. Ensure all glass shelves are clean and properly installed.

4.5 Initial Operation

1. After placement and cleaning, allow the unit to stand upright for at least 2 hours before plugging it in. This allows the refrigerant to settle.
2. Plug in the unit. The compressor will start, and the internal temperature will begin to drop.
3. Allow the unit to run empty for 2-4 hours to reach the desired operating temperature before loading products.

5. OPERATION

5.1 Powering On/Off

The main power switch is located at the rear of the unit, near the control panel. Press the switch to turn the unit on or off.

5.2 Temperature Control

The unit features a digital temperature control and display. The recommended operating temperature range is 39.2°F-50°F (4°C-10°C).

1. **Viewing Current Temperature:** The digital display shows the current internal temperature.
2. **Adjusting Temperature:** Refer to the specific instructions on the digital controller for setting the desired temperature. Typically, there are 'Set' and arrow buttons to adjust the temperature up or down.

Eye catching internal LED lighting will highlight your popular products



Figure 3: Rear view showing the control panel. This model typically features three switches for power, lighting, and other functions.

5.3 LED Lighting

The internal yellow LED lighting enhances product visibility. The light switch is located on the control panel at the rear of the unit. Toggle the switch to turn the LED lights on or off.

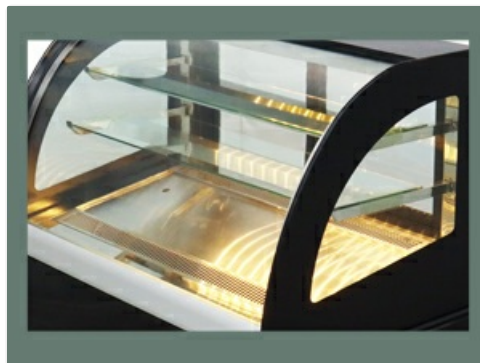


Figure 4: Internal LED lighting highlights displayed products.

5.4 Loading and Display

- Arrange products evenly on the shelves. Do not overload shelves beyond their weight capacity.

- Ensure products do not block the internal air circulation vents, as this can impair cooling performance.
- Close the back sliding doors completely after accessing products to maintain internal temperature.

5.5 Automatic Defrost

This unit is equipped with an automatic defrost feature. During defrost cycles, the evaporator coil is heated to melt any accumulated ice. The melted water drains into an evaporation pan and is evaporated. This process is automatic and requires no user intervention.

5.6 Demisting Function

An electric heater strip is integrated into the front glass to prevent condensation and demist the display, ensuring clear visibility of your products.

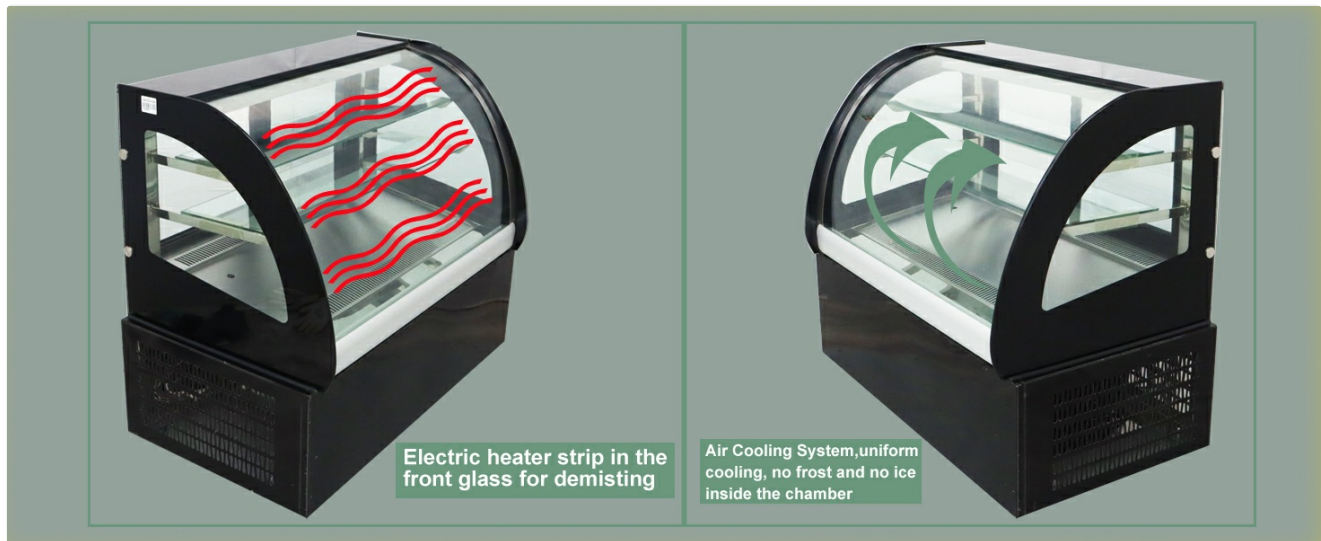


Figure 5: Illustration of the air cooling system and demisting function in the front glass.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your display refrigerator.

6.1 Cleaning the Interior

1. Disconnect the unit from the power supply.
2. Remove all products and shelves.
3. Clean the interior surfaces with a solution of mild detergent and warm water. Avoid abrasive cleaners or sharp objects that could scratch surfaces.
4. Rinse with clean water and dry thoroughly with a soft cloth.
5. Clean glass shelves separately.

6.2 Cleaning the Exterior and Glass

1. Wipe the exterior surfaces with a soft cloth dampened with mild detergent.
2. For glass surfaces, use a glass cleaner and a lint-free cloth to avoid streaks.
3. Regularly clean the back sliding doors and their tracks to ensure smooth operation.

6.3 Condenser Coil Cleaning

The condenser coils, located near the compressor, can accumulate dust and debris, reducing cooling efficiency. Clean them regularly (every 1-3 months depending on environment).

- 1. Disconnect the unit from the power supply.
- 2. Locate the condenser coils (usually behind a grille at the rear or bottom of the unit).
- 3. Use a brush or vacuum cleaner with a brush attachment to gently remove dust and lint from the coils.
- 4. Ensure the compressor heat emission holes are clear for efficient operation.



Figure 6: Compressor heat emission holes, important for efficient cooling.

6.4 Door Seal Inspection

Periodically check the door seals for any signs of wear, cracks, or damage. Damaged seals can lead to air leakage and reduced cooling efficiency. Replace damaged seals promptly.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not power on	No power supply; Power switch off; Circuit breaker tripped	Check power cord connection; Ensure power switch is ON; Reset circuit breaker
Insufficient cooling	Temperature setting too high; Blocked air vents; Dirty condenser coils; Door not closed properly	Adjust temperature setting; Clear obstructions from vents; Clean condenser coils; Ensure doors are fully closed
Excessive noise	Unit not level; Loose components; Fan obstruction	Level the unit; Check for loose parts and tighten; Clear any fan obstructions
Condensation on glass	High ambient humidity; Demisting function off/faulty; Frequent door opening	Ensure demisting function is active; Reduce frequency of door openings; Check door seals
LED lights not working	Light switch off; LED failure	Ensure light switch is ON; Contact service for LED replacement

If the problem persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	210097

Feature	Specification
Product Dimensions (D x W x H)	27.5" x 47" x 34.6" (70cm x 120cm x 88cm)
Capacity	5.69 Cubic Feet
Temperature Range	39.2°F-50°F (4°C-10°C)
Defrost System	Automatic
Installation Type	Countertop
Number of Doors	1 (Back Sliding Doors)
Door Material Type	Tempered Glass
Shelf Type	Glass
Cooling Method	Compressor
Special Feature	Automatic Defrost, Yellow LED Light, Demisting Front Glass
UPC	748497573972

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or contact the retailer or manufacturer directly. Ensure you have your model number (210097) and proof of purchase available when contacting support.