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- › Cooler Depot /
- › Cooler Depot Commercial Chest Freezer BD850 Instruction Manual

## Cooler Depot BD850

# Cooler Depot Commercial Chest Freezer BD850 Instruction Manual

Model: BD850 | Brand: Cooler Depot

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Cooler Depot Commercial Chest Freezer, Model BD850. Please read all instructions carefully before using the appliance and retain this manual for future reference.

### Safety Information

- Ensure the appliance is properly grounded.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Keep ventilation openings clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- This appliance is intended for commercial use only.

## 2. PRODUCT OVERVIEW

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The Cooler Depot BD850 is a 27 cubic feet commercial chest freezer designed for reliable storage of frozen food products. It maintains temperatures between -9 to 0 degrees Fahrenheit, suitable for various commercial settings. The unit features a durable painted steel exterior and aluminum interior for easy cleaning.

### Key Features:


- 27 cu. ft. storage capacity.
- Temperature range: -9 to 0 degrees Fahrenheit.
- Manual defrost and temperature controls.
- Eco-friendly R290 refrigerant.

- Includes two epoxy-coated steel storage baskets (22 lb. capacity each).
- NSF certified for commercial use.


## Product Components



CONFORMS TO UL STD. 60335-1 & 60335-2-24  
CERTIFIED TO CSA STD. C22.2 No. 60335-1 & 60335-2-24



Intertek  
5005988



**BD850**

- Use famous compressor, with super thickness cabinet
- Various kind of configuration with optional control panel, wheels and handle
- Long storage time at breakdown
- Removable gasket, easy to clean
- Innerlocking connected inside liner, avoid inside leaking
- R290 cooling agent  
temperature can reach to  $-23^{\circ}\text{C}$  ( $-9^{\circ}\text{F}$ )

**Rough-In Data**


Model	Door type	Basket	Cabinet Dimensions (inches) (mm)			CAT CU.FT LITER	Voltage	Amps	NW/GW (KG)
			L	D	H				
BD850	SOLID DOOR	2	91.14 2315	29.53 750	33.46 850	26.68 755	115V/60HZ	2.3A	86/96

**Cooler Depot**  
14923 Proctor Ave City of Industry ,CA 91746  
coolerdepotservice@gmail.com  
(626)336-0436 (626)333-8233 (626)800-8573 (626)827-6793 (626)771-5174  
(626)800-8109 (626)506-1381 (626)800-7215 (626)665-1928

**Figure 2.1:** Overall exterior view of the Cooler Depot BD850 Commercial Chest Freezer.

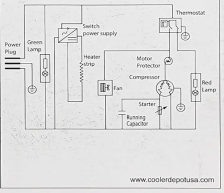
CHEST FREEZER			
Model	BD850	Rated Voltage Range	115V
Effective Volume	755L	Rated Frequency	60Hz
Refrigerant	R290	Rated Current	2.3A
Refrigerant's Weight	3.39oz(96g)	Energy Consumption	2.71kWh/24h
High side	246psig	Low side	132psig

Serial Number:  
Original Esab Electric Appliance Co. Ltd  
The product is intended for the storage and/or display of packaged foods only.



Free-Standing Installation Only

**CIRCUIT DIAGRAM**



www.coolerdepotusa.com

**Figure 2.2:** Close-up of the temperature control panel and indicator lights.



**Figure 2.3:** Interior view showing the storage baskets and internal lining.



**Figure 2.4:** Rear view of the freezer, highlighting the compressor area and power cord.

### 3. SPECIFICATIONS

Detailed technical specifications for the Cooler Depot BD850 Commercial Chest Freezer.

Specification	Value
Brand Name	Cooler Depot
Model Name	Commercial Freezer
Model Number	BD850
Item Weight	200 pounds
Product Dimensions (D x W x H)	30 x 92 x 33 inches
Capacity	27 Cubic Feet
Installation Type	Freestanding
Color	White
Voltage	110 Volts (AC)
Wattage	2.71 kWh
Door Hinges	Top
Door Material Type	Stainless Steel
Shelves	1 (basket)
Certification	NSF
Refrigerant	R290

**Figure 3.1:** Detailed specifications and key features of the BD850 chest freezer.

**Figure 3.2:** Electrical circuit diagram for the BD850 chest freezer.

### 4. SETUP

## Unpacking and Placement

Carefully unpack the freezer, ensuring all packaging materials are removed. Place the freezer on a level, stable surface, away from direct sunlight or heat sources. Allow adequate space around the unit for proper ventilation.

## Initial Cleaning

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

## Power Connection

Connect the freezer to a dedicated 110 Volts (AC) outlet. Ensure the outlet is properly grounded. Allow the freezer to stand upright for at least 2-4 hours before plugging it in to allow the refrigerant to settle.



Figure 4.1: The power cord is located at the rear of the unit. Ensure it is securely plugged into a grounded outlet.

## 5. OPERATING INSTRUCTIONS

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### Temperature Control

The temperature control dial is located on the front of the unit. Adjust the dial from 1 (least cold) to 7 (super cold) to set your desired temperature. The recommended operating temperature range is -9 to 0 degrees Fahrenheit.

### Indicator Lights

- **Power Light:** Indicates the unit is receiving power.
- **Run Light:** Indicates the compressor is actively cooling.
- **Alarm Light:** Illuminates if the internal temperature rises above the safe threshold.



Figure 5.1: The control panel with power, alarm indicators, and temperature dial.

## 6. MAINTENANCE

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### Cleaning

Regular cleaning of the interior and exterior is essential for hygiene and efficiency. Use a mild detergent and warm water. Avoid abrasive cleaners or sharp objects that could damage surfaces. The painted steel exterior and aluminum interior are designed for simple cleaning.

### Defrosting

This unit features manual defrost. When ice buildup reaches approximately 1/4 inch (0.6 cm) thickness, or at least once a year, the freezer should be defrosted. Unplug the unit, remove all contents, and allow the ice to melt naturally. The internal drain plug can be removed to facilitate water drainage.

### Gasket Maintenance

The removable gasket allows for easy cleaning and ensures a tight seal. Regularly inspect the gasket for any damage or wear and clean it to maintain optimal performance.

## 7. TROUBLESHOOTING

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If your freezer is not operating correctly, please check the following common issues before contacting support:

- **Freezer not running:** Check if the power cord is securely plugged in and the outlet is functional. Ensure the temperature control is not set to 'Off'.
- **Temperature too warm:** Verify the temperature setting is appropriate. Ensure the door is closing properly and the gasket is sealing. Avoid placing hot items directly into the freezer.
- **Excessive noise:** Check if the freezer is level. Ensure there are no objects vibrating against the unit.
- **Excessive ice buildup:** This is a manual defrost unit. Regular defrosting is required. Ensure the door is not left open frequently.

For more detailed troubleshooting steps, refer to the user manual included with your product.

## 8. WARRANTY AND SUPPORT

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Cooler Depot offers the following warranty for this product:

- **3 Years All-Parts Warranty:** Covers all parts for three years from the date of purchase.
- **6 Years Compressor Warranty:** Covers the compressor for six years from the date of purchase.
- **1 Year Labor Warranty:** Covers labor costs for repairs for one year from the date of purchase.

For functional failures within 1 month of the item's delivered date, a full refund may be applicable. Please retain the original pallet for returns.

For technical support or warranty claims, please refer to the contact information provided in your user manual or visit the Cooler Depot website.

### Product Demonstration Video

Watch this video for a visual demonstration of a Cooler Depot chest freezer, including features and dimensions. Note that the model shown may vary slightly from your specific unit (BD850).

Your browser does not support the video tag.

**Video 8.1:** Demonstration of a Cooler Depot chest freezer, showcasing exterior dimensions, interior features, and control panel. This video provides a general overview of similar models.