

Empura EGM-13B

Empura EGM-13B Reach-In Refrigerator User Manual

Model: EGM-13B | Brand: Empura

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Empura EGM-13B 23-inch Reach-In Refrigerator. This commercial merchandiser is designed for displaying beverages and other refrigerated items in convenience stores and grocery environments, offering 13 cubic feet of storage with energy-efficient features.



Figure 1: Angled view of the Empura EGM-13B Reach-In Refrigerator, showcasing its black exterior and glass door.

SAFETY INFORMATION

Please read all safety instructions carefully before operating the appliance. Failure to follow these instructions may result in property damage, injury, or death.

- **Electrical Safety:** Ensure the unit is connected to a grounded 115V, 60Hz power supply with a NEMA-5-15P plug. Do not use extension cords.
- **Refrigerant:** This unit uses R290a refrigerant. Servicing should only be performed by qualified personnel.
- **Ventilation:** Maintain adequate clearance around the unit for proper ventilation to prevent overheating.
- **Placement:** Place the unit on a level, stable surface capable of supporting its weight when fully loaded.
- **Cleaning:** Disconnect power before cleaning. Use mild, non-abrasive cleaners.
- **Moving:** Use caution when moving the unit, especially when loaded. Utilize the factory-installed casters.

UNPACKING AND SETUP

1. Unpacking

Carefully remove all packaging materials, including foam insulation and protective films. Inspect the unit for any shipping damage. Report any damage to your supplier immediately.

2. Caster Installation

The unit comes with factory-installed casters for easy mobility. Two of the casters are equipped with locking mechanisms to secure the unit in place.



Figure 2: Detail of a locking caster. Engage the lever to lock the wheel and prevent movement.

3. Placement

Position the refrigerator in a location with adequate air circulation. Avoid direct sunlight or proximity to heat-generating appliances. Ensure the unit is level to allow for proper door sealing and drainage.

4. Initial Power-Up

After placement, allow the unit to stand upright for at least 2 hours before plugging it into a power outlet. This allows the refrigerant to settle. Connect the power cord to a dedicated 115V outlet.



Figure 3: The power cord connection point, located at the rear bottom of the unit.

OPERATION

1. Power Switches

The unit features main power and light switches, typically located near the bottom front of the unit. Turn on the main power switch to activate the refrigeration system and the light switch for interior illumination.



Figure 4: Red rocker switches for main power and interior lighting control.

2. Temperature Control

The refrigerator is equipped with a digital LED temperature display and an electronic thermostat for precise temperature management. The factory preset temperature range is 33°F to 41°F (0.5°C to 5°C).

- **Viewing Temperature:** The current internal temperature is displayed on the LED screen.
- **Adjusting Temperature:** Refer to the specific instructions for the electronic thermostat model (e.g., Dixell controller) for detailed temperature setting procedures. Generally, a "SET" button is used to enter programming mode, and arrow keys adjust the value.



Figure 5: Digital control panel with LED display and control buttons for temperature adjustment.

3. Adjustable Shelving

The unit includes five heavy-duty, adjustable wire shelves with a polyethylene coating. These shelves can be repositioned to accommodate various product sizes.

- **To Adjust:** Empty the shelf, lift it slightly, and slide it out of its supports. Reinsert into desired slots.



Figure 6: Interior of the refrigerator showing the five adjustable wire shelves.

4. Door Operation and Lock

The unit features a self-closing glass door with a secure locking mechanism. The self-closing feature helps maintain internal temperature and energy efficiency.

- **Locking:** Use the provided keys to lock the door for added security.



Figure 7: The door lock mechanism with accompanying keys for securing the unit.

MAINTENANCE

1. Cleaning

Regular cleaning ensures optimal performance and hygiene.

- **Interior:** Disconnect power. Remove shelves and clean with a mild detergent and warm water. Wipe dry. Clean the interior walls with a damp cloth and mild, non-abrasive cleaner.
- **Exterior:** Wipe the black baked-enamel steel exterior with a soft cloth and mild cleaner.
- **Glass Door:** Use a glass cleaner for streak-free results.
- **Condenser Coil:** The condenser coil should be cleaned regularly (monthly or quarterly depending on environment) to maintain efficiency. Disconnect power. Use a brush or vacuum cleaner to remove dust and debris from the coil located at the bottom rear of the unit.

2. Defrost System

This unit features an automatic timed defrost system. During defrost cycles, the evaporator fan may temporarily

stop, and the temperature display might fluctuate slightly. This is normal operation.

3. Gasket Inspection

Regularly inspect the door gasket for cracks or tears. A damaged gasket can lead to air leaks and reduced cooling efficiency. Replace if necessary.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit not cooling	No power; thermostat set too high; condenser coil dirty; door not sealing properly.	Check power connection and circuit breaker; adjust thermostat; clean condenser coil; inspect and adjust door gasket.
Excessive noise	Unit not level; fan obstruction; loose components.	Ensure unit is level; check for obstructions around fan blades; contact service if noise persists.
Water on floor	Drain line clogged; unit not level.	Clear drain line; level the unit.
Door not closing fully	Unit not level; obstruction; damaged hinge or gasket.	Level the unit; remove obstructions; inspect and replace damaged parts.

For issues not listed or if solutions do not resolve the problem, please contact qualified service personnel.

SPECIFICATIONS

Feature	Detail
Model Number	EGM-13B
Brand	Empura
Capacity	13 Cubic Feet
Dimensions (H x W x D)	78" x 22.7" x 23.8" (198.1 cm x 57.7 cm x 60.5 cm)
Weight	174 Pounds (78.9 kg)
Temperature Range	33°F to 41°F (0.5°C to 5°C)
Refrigerant	R290a
Voltage	115V / 1 Phase / 60Hz
Amps	2.3 Amps
Plug Type	NEMA-5-15P
Defrost System	Automatic
Number of Doors	1 (Self-closing glass door)
Shelves	5, adjustable wire with polyethylene coating

Feature	Detail
Exterior Material	Black Baked-Enamel Steel
Interior Material	White Baked-Enamel Steel
Insulation	High-Density CFC-Free Polyurethane
Special Features	LED Interior Lighting, Backlit Sign Panel, Bottom Mount Self-Contained Refrigeration System, Factory-Installed Casters (2 locking)



SPECIFICATIONS

Model Number	EGM-13B
Temperature Range	33 to 41°F
Refrigerant	R290
Automatic Defrost	Yes
Horsepower	2/3
Dimensions (HxWxD)	78" x 22.7" x 23.8"
Voltage/Phase/Hz	115/1/60
Amps	2.3
Plug Type	NEMA-5-15P











Figure 8: Visual representation of key specifications and dimensions for the Empura EGM-13B.

WARRANTY AND SUPPORT

Empura products are manufactured to high-quality standards and come with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Empura website.

For technical support, service inquiries, or to order replacement parts, please contact Empura customer service. Have your model number (EGM-13B) and serial number ready when contacting support.

You can find more information and contact details on the [Empura Store on Amazon](#).

 <p>Empura EQUIPMENT</p> <p>Glass Door Merchandiser Refrigerators Service, Installation, and Care Manual</p> <p>Swinging Door Models • EGM-12W • EGM-21W • EGM-21S • EGM-36W • EGM-50W • EGM-75W • EGM-T1W</p> <p>Sliding Door Models • ESM-36W • ESM-42S • ESM-42W • ESM-50S</p> <p>EGM-36W</p> <p>Please read this manual completely before attempting to install or operate this equipment. Notify center of damage/inspect all components immediately.</p> <p>©2018 Empura Equipment www.empura.com 1 of 1</p>	<p>Empura Glass Door Merchandiser Refrigerators Service, Installation, and Care Manual</p> <p>Comprehensive service, installation, and care manual for Empura Glass Door Merchandiser Refrigerators (EGM and ESM series). Covers safety precautions, operation, cleaning, troubleshooting, and temperature adjustment for commercial use.</p>
 <p>Empura EQUIPMENT</p> <p>Prep Table Refrigerators Service, Installation, and Care Manual</p> <p>E-KSP72</p> <p>Sandwich / Salad Prep Tables • E-KSP25 • E-KSP25L • E-KSP42 • E-KSP72</p> <p>Sandwich / Salad Mega Top Tables • E-KSP25M • E-KSP42M • E-KSP72M • E-KSP25M-2D</p> <p>Pizza Prep Tables • E-KPP44 • E-KPP67 • E-KPP93</p> <p>Please read this manual completely before attempting to install or operate this equipment. Notify center of damage/inspect all components immediately.</p> <p>©2018 Empura Equipment www.empura.com 1 of 1</p>	<p>Empura Prep Table Refrigerators Service, Installation, and Care Manual</p> <p>This manual provides comprehensive service, installation, and care instructions for Empura Prep Table Refrigerators, including Sandwich/Salad Prep Tables, Sandwich/Salad Mega Top Tables, and Pizza Prep Tables. It covers specifications, safety guidelines, installation procedures, operation, thermostat descriptions, main functions, alarm signals, and maintenance.</p>
 <p>ECO-612</p> <p>ECO-612 Gas Convection Oven Door Trip Switch Repair Guide</p> <p>Please read this manual completely before attempting to install or operate this equipment. Notify center of damage/inspect all components immediately.</p> <p>©2018 Empura Equipment www.empura.com 1 of 1</p>	<p>Empura ECO-612 Gas Convection Oven Door Trip Switch Repair Guide</p> <p>Instructions for troubleshooting and repairing a loose door trip switch on the Empura ECO-612 gas convection oven by tightening a mounting screw.</p>
 <p>Empura EQUIPMENT</p> <p>Electric Fryer Service, Installation, and Care Manual</p> <p>EEF40208PH3</p> <p>Electric Deep Fryer Model • EEF40208PH3</p> <p>Please read this manual completely before attempting to install or operate this equipment. Notify center of damage/inspect all components immediately.</p> <p>©2018 Empura Equipment www.empura.com 1 of 1</p>	<p>Empura EEF40208PH3 Electric Deep Fryer: Service, Installation & Care Manual</p> <p>Comprehensive service, installation, and care manual for the Empura EEF40208PH3 Electric Deep Fryer. Includes safety guidelines, technical specifications, operation instructions, cleaning procedures, and troubleshooting.</p>
 <p>Empura EQUIPMENT</p> <p>Gas Ranges w/ Convection Oven Base Service, Installation, and Care Manual</p> <p>Gas Connection Oven Base Range Models • EGR-36C-40V • EGR-36C-LP</p> <p>EGR-36C</p> <p>Please read this manual completely before attempting to install or operate this equipment. Notify center of damage/inspect all components immediately.</p> <p>©2018 Empura Equipment www.empura.com 1 of 1</p>	<p>Empura EGR-36C Gas Range with Convection Oven Base: Service, Installation & Care Manual</p> <p>Comprehensive service, installation, and care manual for Empura EGR-36C and EGR-36C_LP gas ranges with convection oven bases. Includes troubleshooting, specifications, safety guidelines, and operational instructions.</p>
 <p>Empura EQUIPMENT</p> <p>UCF / UCH ICE MACHINES Service, Installation, and Care Manual</p> <p>Ice Machine Models • E-UCF120 • E-UCF240 • E-UCH240</p> <p>Please read this manual completely before attempting to install or operate this equipment. Notify center of damage/inspect all components immediately.</p> <p>©2018 Empura Equipment www.empura.com 1 of 1</p>	<p>Empura UCF/UCH Ice Machines: Service, Installation, and Care Manual</p> <p>Comprehensive service, installation, and care manual for Empura UCF/UCH series ice machines, including models E-UCF120, E-UCF240, and E-UCH240. Covers operation, maintenance, safety, and troubleshooting.</p>