

**Bolder Chef Base Refrigerator User Manual
(Model 6129272 / 5003040 and 6129273 /
5003041)**

IMPORTANT NOTICE

Please read this manual carefully before installing or operating your Bolder chef base refrigerator.

Keep this manual in a safe place for future reference.

The Chef Base Series is designed for indoor use in environments where the ambient temperature **does not exceed 86°F** and conditions are controlled.

Dear Valued Customer

Thank you for choosing Bolder commercial refrigeration equipment.

To ensure safety, performance, and long-lasting operation, please read this manual carefully before use.

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I. PRODUCT INTRODUCTION

1. Equipped with a high-quality, energy-efficient hermetic compressor for fast cooling and low power consumption.
2. Adjustable shelving for flexible product storage.
3. Interior constructed of patterned stainless steel for optimal cooling performance.

II. TECHNICAL SPECIFICATIONS

Parameter	Specification
Rated Voltage	115V
Rated Frequency	60Hz
Temperature Range	0°C – 10°C (34°F – 47°F)
Refrigerant	R290 (Flammable)

III. SAFETY INSTRUCTIONS

1. **Clearance:** Maintain at least **8 inches** between the refrigerator and the wall for proper ventilation.
2. **Ventilation:** Do not seal the rear of the unit completely. Ensure airflow to the outside is unobstructed.
3. **Fire Hazard:** Keep away from flammable materials. Do not store volatile or explosive chemicals inside the cabinet.
4. **Electrical Safety:**
 - Use a **dedicated grounded outlet**.
 - Never connect the ground wire to gas or water pipes.
5. **Transport:**
 - Avoid strong impact or vibration.
 - The tilt angle must not exceed **45°** during transport.
6. **Service:**
 - Refer to the troubleshooting guide for basic checks.
 - Do not attempt self-repair. Service must be performed by **qualified technicians only**.

FLAMMABLE REFRIGERANT WARNINGS

- **DANGER — Risk of Fire or Explosion:**
Flammable refrigerant used. Do not puncture refrigerant tubing or use mechanical devices to defrost.
 - **SERVICE WARNING:** Repairs must be carried out only by **trained and authorized personnel**.
 - **DISPOSAL:** Dispose of the unit according to local or federal environmental regulations.
 - **VENTILATION:** Keep all ventilation openings clear of obstructions.
 - **CAUTION:** Handle and move the refrigerator carefully to avoid damaging refrigerant lines or causing leaks.
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IV. OPERATION INSTRUCTIONS

1. Startup

Ensure all casters are installed and the unit is level before plugging it in. Proper leveling ensures correct door alignment, drainage, and efficient cooling. Once plugged in, the refrigerator will begin operating immediately.

2. Temperature Setting

- Press the **SET** button for 2 seconds to view the set temperature.
- Use the **▲** or **▼** arrows to adjust the temperature within 10 seconds.
- Press **SET** again (or wait 10 seconds) to confirm.

Note: Setting the control to the coldest position may not improve cooling and can result in higher energy consumption.

3. Controller Function

- The compressor starts when the internal temperature is \geq **setpoint + hysteresis**.
- It turns off when the temperature is \leq **setpoint**.
- A 2-minute delay prevents short cycling for compressor protection.

4. Transportation

Do not tilt more than 45° or move the unit while operating.

5. Storage

Avoid dropping or throwing food into the cabinet to prevent damage to shelves.

Do not overload or block airflow.

Leave space between stored items and avoid storing perishable goods for long periods.

6. Maintenance

- Disconnect power before cleaning.
- Use a soft cloth and mild detergent. Avoid abrasive cleaners or bleach.
- If not used for an extended period, unplug, clean, and dry completely before storage.
- Wait **at least 5 minutes** after power interruption before restarting to protect the compressor.
- Minimize door openings to save energy.

7. Defrosting

- **Automatic Defrost:** Occurs four times per 24 hours.
- **Manual Defrost:** Press and hold the defrost button on the thermostat for **6 seconds**.
- Do not remove ice with sharp tools.

Caution: Defrosting starts only when the sensor temperature is below a preset value.

V. REGULAR MAINTENANCE

1. Cleaning the Condenser Coil

Clean monthly using a commercial coil cleaner.

Brush from **top to bottom**, not side to side.

Straighten bent fins with a fin comb.

2. Cleaning the Fan and Motor

Use soft cloth to remove dust. Cover the motor if washing fan blades to prevent moisture damage.

3. Cleaning the Interior

Use warm water with mild soap.

Avoid harsh chemicals, abrasives, or steel wool.

4. Cleaning the Rear Panel

1. Remove the screws securing the rear panel.
2. Gently clean behind the panel using a soft cloth, ensuring insulation and tubing remain intact.
3. Reinstall the panel after drying.

5. Door Gasket Cleaning

Remove gaskets weekly and soak in warm soapy water for 30 minutes.

Dry and reinstall securely to ensure a tight seal.

⚠ WARNING: Always disconnect power before cleaning or maintenance.

VI. TROUBLESHOOTING GUIDE

Problem	Possible Cause	Solution
No indicator light	Not connected to power / Loose plug	Check and reconnect plug
Compressor not running	Power failure / Faulty starter / Overload protector	Inspect and replace as needed
Compressor runs continuously	Dirty condenser / Door seal leak / High ambient temp / Low refrigerant	Clean condenser, fix seal, improve ventilation, or service unit
Excessive noise	Uneven placement / Loose bolts / Fan damage	Level the unit, tighten bolts, repair fan
Excessive frost	Door frequently opened / Poor ventilation	Reduce door openings, rearrange stored items

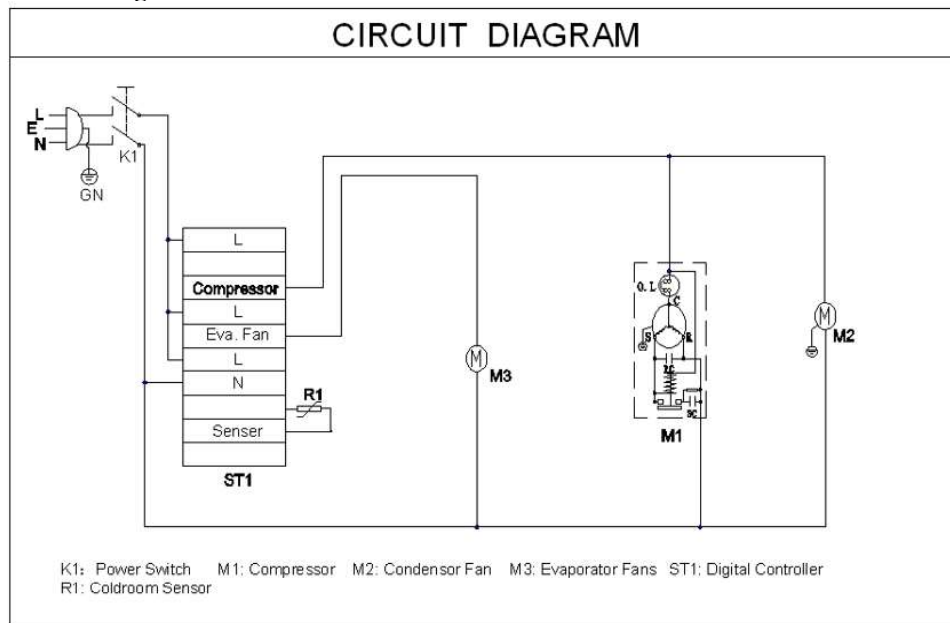
Note: The following are normal conditions, not malfunctions:

- Gentle sound of refrigerant or water flow inside.
- Warm air from the compressor area.
- Condensation on doors in humid environments — wipe dry as needed.

VII. TECHNICAL PARAMETERS

Model	Temperature Range	Climate Class	Refrigerant
6129272 5003040	34–47°F	4/5	R290
6129273 5003041	34–47°F	4/5	R290

Circuit Diagram



Customer Service

For technical support or warranty inquiries, please contact:

Bolder Customer Service

Tel: 1-888-553-9255

Email: service@bolder-refrigeration.com