

GGM Gastro WKAF5N

GGM Gastro WKAF5N Wall-Mounted Refrigeration Unit User Manual

Model: WKAF5N | Brand: GGM Gastro

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1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your GGM Gastro WKAF5N Wall-Mounted Refrigeration Unit. Please read these instructions carefully before installation, operation, or maintenance to ensure proper use and to prevent damage or injury. This unit is designed for cooling spaces up to 5 m³.

2. SAFETY INSTRUCTIONS

Always adhere to the following safety guidelines to ensure safe operation and prevent personal injury or damage to the unit.

- **Electrical Safety:** Ensure the unit is connected to a properly grounded electrical outlet with the specified voltage (230 V / 50 Hz). Disconnect power before any maintenance or cleaning.
- **Installation:** Installation must be performed by qualified personnel in accordance with local electrical and refrigeration codes.
- **Refrigerant:** The unit contains R 452 refrigerant. Handling and disposal of refrigerants must be done by certified technicians.
- **Ventilation:** Ensure adequate ventilation around the unit, especially for the air-cooled condenser, to prevent overheating.
- **Clearance:** Maintain a minimum ceiling distance of 300 mm above the unit for proper airflow and maintenance access.
- **Cleaning:** Use only mild, non-abrasive cleaning agents. Do not spray water directly onto electrical components.
- **Children:** Keep children away from the unit, especially during operation and maintenance.

3. PRODUCT OVERVIEW

The GGM Gastro WKAF5N is a robust and compact wall-mounted refrigeration unit designed for commercial use. It features a durable stainless steel housing and high-quality components for long-lasting performance.

Key Features:

- Digital thermometer for precise temperature monitoring.
- Electronic control for accurate temperature regulation.
- Hermetic compressor with thermal protection.
- Efficient heat exchanger with copper tubes and aluminum fins.
- Heated evaporative tray for defrost water.
- High-pressure switch for safety.
- Automatic defrosting via programmable controller.
- Air-cooled condenser suitable for ambient temperatures up to +43 °C.
- Includes contact switch and interior lighting for the cold room.



Image: Front view of the GGM Gastro WKAF5N refrigeration unit, showing the digital display and control panel.



Image: Close-up of the unit's digital display, showing temperature readings and control icons.

4. SETUP & INSTALLATION

The WKAF5N unit is delivered ready for use and is designed for assembly into a cold room panel. Please note that the cold cell itself is not included and must be ordered separately.

Installation Steps:

1. **Unpacking:** Carefully unpack the unit and inspect for any shipping damage.

2. **Mounting:** Mount the self-supporting housing onto the cold room panel. Ensure the unit is securely fastened and level.
3. **Clearance:** Ensure a minimum ceiling distance of 300 mm above the unit to allow for proper heat dissipation and maintenance access.
4. **Electrical Connection:** Connect the unit to a dedicated 230 V / 50 Hz power supply. This connection must be performed by a qualified electrician.
5. **Included Components:** Install the contact switch and interior lighting within the cold room as per the provided instructions. These components are included with the unit.
6. **Initial Check:** After installation, perform a visual check of all connections and ensure no obstructions are present.



Image: The refrigeration unit mounted on the exterior wall of a cold room, with the cold room door open, showing interior shelving.



Image: The refrigeration unit installed on a cold room, highlighting the required minimum ceiling distance of 300 mm.



Image: Close-up of the included interior light and contact switch, which are installed inside the cold room.



Image: Dimensional diagram of the GGM Gastro WKAF5N unit, indicating its height, width, and depth for installation planning.

5. OPERATING INSTRUCTIONS

The GGM Gastro WKAF5N unit features user-friendly electronic controls for setting and monitoring the cold room temperature.

Basic Operation:

- **Power On/Off:** Use the main power switch to turn the unit on or off.
- **Temperature Setting:** The electronic controller allows you to set the desired temperature within the range of -2 °C to +8 °C. Refer to the controller's specific manual for detailed programming instructions.
- **Digital Display:** The digital thermometer displays the current temperature inside the cold room.
- **Automatic Defrost:** The unit is equipped with an automatic defrost function, managed by the programmable controller, to prevent ice buildup on the evaporator.
- **Door Contact Switch:** The included contact switch activates the interior lighting when the cold room door is opened and may also pause refrigeration during prolonged door openings to save energy.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your refrigeration unit. Always disconnect power before performing any maintenance.

Routine Maintenance:

- **Exterior Cleaning:** Clean the stainless steel housing regularly with a soft cloth and mild detergent. Avoid abrasive cleaners. The unit's design facilitates easy cleaning for hygiene.
- **Condenser Cleaning:** Periodically inspect and clean the air-cooled condenser fins to remove dust and debris. A clogged condenser reduces efficiency and can lead to overheating.
- **Defrost Water Tray:** Ensure the heated defrost water tray is clear and draining properly.
- **Door Seals:** Check cold room door seals for damage or leaks to maintain temperature integrity.

Professional Maintenance:

- Schedule periodic inspections by a qualified refrigeration technician to check refrigerant levels, compressor performance, and overall system integrity.
- Any repairs involving the refrigerant circuit or electrical components must be performed by certified professionals.

7. TROUBLESHOOTING

Before contacting customer service, review the following common issues and their potential solutions.

Problem	Possible Cause	Solution
Unit not cooling	No power; thermostat set incorrectly; dirty condenser; cold room door not sealed.	Check power supply; adjust thermostat; clean condenser; inspect door seals.
Unit runs continuously	Cold room door left open; excessive product load; dirty condenser; low refrigerant.	Ensure door is closed; reduce load; clean condenser; contact technician for refrigerant check.
Unusual noise	Loose components; fan obstruction; compressor issue.	Check for loose parts; clear fan area; contact technician if compressor noise persists.
Digital display error	Sensor fault; control board issue.	Refer to controller manual for error codes; contact technician.

If the problem persists after attempting these solutions, please contact a qualified service technician.

8. SPECIFICATIONS

Feature	Detail
Model	WKAF5N
Brand	GGM Gastro
Max. Cold Room Volume	5 m³
Temperature Range	-2 °C to +8 °C
Refrigerant	R 452
Compressor Power	1045 W

Feature	Detail
Electrical Connection	230 V / 50 Hz
External Dimensions (W x D x H)	540 mm x 890 mm x 1880 mm
Ambient Temperature (Max)	+43 °C
Housing Material	Stainless Steel
Included Components	Contact switch, interior lighting

9. WARRANTY & SUPPORT

Warranty Information:

For detailed warranty terms and conditions, please refer to the official GGM Gastro warranty policy provided at the time of purchase or visit the GGM Gastro official website. Keep your proof of purchase for warranty claims.

Customer Support:

If you require technical assistance, spare parts, or have questions regarding your GGM Gastro WKAF5N refrigeration unit, please contact GGM Gastro customer service. Contact details can typically be found on the manufacturer's website or in your purchase documentation.