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Waeco 9105703857

Dometic RM5310 Absorber Fridge User Manual

Model: RM5310 | Brand: Waeco

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Dometic RM5310 Absorber Fridge. Please read these instructions carefully before using the appliance and keep them for future reference.



Image: The Dometic RM5310 Absorber Fridge with its door open, revealing the main compartment with shelves and a smaller freezer compartment. Various items like bottles and food containers are visible inside, demonstrating its storage capacity.

SAFETY INFORMATION

Always observe the safety instructions provided in this manual. Incorrect installation, use, or maintenance can cause damage to the appliance and potential harm to the user.

- Ensure proper ventilation around the appliance to prevent overheating.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- The appliance must be installed by a qualified person in accordance with all relevant regulations.
- Disconnect from power sources (12V, 230V, Gas) before performing any maintenance or cleaning.

- Keep children away from the appliance.

SETUP

Installation

The Dometic RM5310 is designed for integration into caravans or motorhomes. Ensure the installation area provides adequate space for ventilation and access for servicing.

1. **Mounting:** Securely mount the fridge in its designated compartment, ensuring it is level.
2. **Ventilation:** Ensure clear air circulation around the rear of the fridge. This is crucial for efficient absorption cooling.
3. **Electrical Connection:** Connect the 12V DC and 230V AC power supplies according to the wiring diagram provided with the appliance. Ensure correct polarity for 12V.
4. **Gas Connection:** Connect the gas supply (30 mbar) using appropriate gas-rated fittings. This connection must be performed by a certified gas technician.
5. **Leak Test:** After gas connection, perform a thorough leak test on all gas fittings.

OPERATING INSTRUCTIONS

Power Source Selection

The RM5310 can operate on 12V DC, 230V AC, or LPG gas. Use the control panel to select the desired power source.



Image: A close-up view of the fridge's control panel, showing a rotary dial for temperature adjustment, a push-button for power source selection (indicated by a lightning bolt symbol), and an indicator light.

- **12V DC:** Primarily for operation while driving, powered by the vehicle's battery.
- **230V AC:** For operation when connected to mains electricity (e.g., at a campsite).
- **Gas:** For operation when no electrical hook-up is available. Ensure gas bottle is open and gas supply is sufficient.

Temperature Control

Adjust the internal temperature using the thermostat dial on the control panel. Higher settings provide colder temperatures.

Door Latch Operation

The fridge features a secure door latch mechanism to prevent accidental opening during transit.



Image: A detailed view of the fridge door's latch mechanism, showing the white plastic lever and the metal screw securing it to the fridge frame, ensuring the door remains closed.

MAINTENANCE

Cleaning

- Clean the interior and exterior of the fridge regularly with a mild detergent and warm water.
- Do not use abrasive cleaners or solvents.
- Defrost the freezer compartment when ice build-up becomes significant to maintain efficiency.

Annual Servicing

It is recommended to have the gas system and cooling unit inspected by a qualified technician annually to ensure safe and efficient operation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Fridge not cooling	No power supply (12V/230V/Gas), poor ventilation, faulty thermostat.	Check power connections/gas supply. Ensure adequate ventilation. Adjust thermostat.
Gas flame extinguishes	Insufficient gas supply, strong drafts, faulty thermocouple.	Check gas bottle level. Protect from wind. Contact service technician.

Problem	Possible Cause	Solution
Excessive ice build-up	Door not sealed properly, frequent door opening, high humidity.	Check door seal. Reduce frequency of door opening. Defrost regularly.

If problems persist after attempting these solutions, please contact a qualified service technician.

SPECIFICATIONS

Technical data for the Dometic RM5310 Absorber Fridge:

Model: RM5310

Article No.: 9105703857

Ignition System: Battery ignition

Gross Volume: 60 liters (thereof freezer compartment: 5 liters)

Power Supply: 12V DC / 230V AC / Gas (LPG)

Gas Pressure: 30 mbar

Power Consumption:

- 230V: 125 Watts (2.5 kWh/24h)
- 12V: 120 Watts (2.5 kWh/24h)
- Gas: 18.3 g/h (270 g/24h)

Cooling Performance: Fridge 7°C, Freezer up to -12°C at 32°C ambient temperature (Climate Class SN)

Insulation: PU Vollausschäumung

Cabinet Material: Steel, plastic coated

Door Material: Aluminium frame, plastic coated

Color: Grey (Ral 7021 Black-grey)

Dimensions (W x H x D): 486 mm x 618 mm x 474 mm

Weight: 20 kg

Certifications: European Gasabnahme under Regulation 90/396/EEC, e-certified

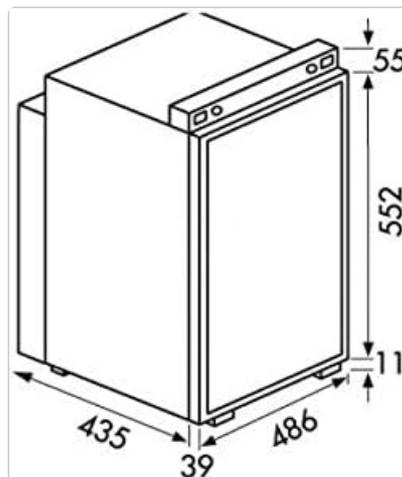


Image: A technical line drawing illustrating the external dimensions of the Dometic RM5310 fridge, with measurements in millimeters for width, height, and depth, including specific details for the top control panel and base clearance.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or

contact your local Dometic service center. Keep your proof of purchase for warranty claims.
For further assistance, you may visit the official Dometic website or contact their customer service department.