

DOMETIC RC10.4T.90

DOMETIC RC 10.4T 90 Compressor Refrigerator User Manual

MODEL: RC10.4T.90

1. Introduction

Thank you for choosing the DOMETIC RC 10.4T 90 Compressor Refrigerator. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new appliance. Please read this manual thoroughly before use and keep it for future reference.

This refrigerator is designed for mobile use in recreational vehicles such as caravans, motorhomes, and for camping applications, offering reliable cooling performance with its 12V compressor technology and intuitive TFT display.

2. Safety Instructions

General Safety:

- Ensure the appliance is installed and operated according to these instructions to prevent hazards.
- Do not operate the appliance if it is visibly damaged.
- Repairs must only be carried out by qualified personnel. Improper repairs can lead to significant hazards.
- Keep ventilation openings clear of obstruction.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

Electrical Safety:

- The appliance operates on 12V DC. Ensure the power supply matches the voltage specified on the rating plate.
- Always disconnect the power supply before performing any maintenance or cleaning.
- Do not use extension cords or ungrounded adapters.

Refrigerant Safety (R-600A):

- This appliance contains R-600A, a natural gas with high environmental compatibility, but which is flammable.

- During transport and installation, ensure that the tubing of the refrigerant circuit is not damaged.
- In the event of damage to the refrigerant circuit: avoid open flames and ignition sources, ventilate the room thoroughly.

3. Package Contents

Upon unpacking, please verify that all components are present and undamaged:

- Dometic RC 10.4T 90 Compressor Refrigerator (42cm wide, 90 Liter, 12V TFT-Display)
- User Manual
- Installation accessories (screws, brackets, etc. - may vary by package)

4. Setup

Unpacking: Carefully remove the refrigerator from its packaging. Retain packaging materials for potential future transport or returns.

Placement:

- Place the refrigerator on a firm, level surface to ensure proper operation and drainage.
- Ensure adequate ventilation around the appliance, especially at the rear where the compressor is located. Refer to the installation diagram in the separate installation guide for specific clearances.
- Avoid direct sunlight or proximity to heat sources (e.g., ovens, radiators) to maximize efficiency.

Power Connection:

- Connect the 12V DC power cable to a suitable power source in your vehicle. Ensure the wiring is correctly sized for the current draw of the refrigerator.
- It is recommended to connect the refrigerator through a dedicated fuse for protection.

Door Hinge Reversal: The door hinge is reversible, allowing you to change the door opening direction to suit your installation space. Refer to the detailed instructions in the separate installation manual for this procedure. This typically involves removing the top and bottom hinges, relocating the hinge pins, and reattaching the door.



Image: The Dometic RC 10.4T 90 refrigerator with its door fully open, revealing the spacious interior with adjustable shelves and clear door bins. This view highlights the internal layout for efficient storage.

5. Operating

Initial Start-up: After connecting to power, the refrigerator will typically start automatically. Allow several hours for the interior to reach the set temperature before loading with food.

TFT Display and Controls:

- The integrated TFT display provides clear information on the current temperature and operating status.
- Use the control knob or touch buttons (depending on model variant) to navigate menus and adjust settings.

Temperature Settings:

- Adjust the desired temperature using the controls on the TFT display. Recommended temperature for fresh food is typically between 2°C and 8°C (36°F and 46°F).
- The compressor will cycle on and off to maintain the set temperature.

Food Storage Guidelines:

- Store food in sealed containers to prevent odors and maintain freshness.
- Do not overload the refrigerator, as this can impede air circulation and cooling efficiency.
- Allow hot food to cool down before placing it in the refrigerator.

Automatic Defrost System: This refrigerator features an automatic defrost system. Frost that forms on the

evaporator will periodically melt and the water will evaporate. This eliminates the need for manual defrosting under normal operating conditions.



Image: The Dometic RC 10.4T 90 refrigerator with its door slightly ajar, revealing various food items such as fruits and beverages stored on the shelves and in the door bins. This illustrates typical usage and storage capacity.

6. Maintenance

Cleaning the Interior:

- Regularly clean the interior with a mild detergent and warm water. Avoid abrasive cleaners or solvents.
- Wipe dry thoroughly after cleaning to prevent mold or odors.
- Remove shelves and door bins for easier cleaning.

Cleaning the Exterior:

- Wipe the exterior surfaces with a soft, damp cloth.
- For stubborn marks, use a mild, non-abrasive cleaner.

Condenser Coil Cleaning: Periodically check the condenser coils at the rear of the refrigerator for dust and debris. If accessible, gently clean them with a soft brush or vacuum cleaner to ensure optimal cooling efficiency. Ensure the power is disconnected before cleaning.

Door Seal Inspection: Regularly inspect the door seals for cracks or damage. A damaged seal can lead to poor cooling performance and increased energy consumption. Clean the seals with warm water and a mild detergent.



Image: The Dometic RC 10.4T 90 refrigerator with its door closed, showcasing its modern black and silver exterior design. This view emphasizes the compact and integrated appearance of the unit.

7. Troubleshooting

Problem	Possible Cause	Solution
Refrigerator not cooling	No power supply; Temperature setting too high; Poor ventilation; Door not closed properly.	Check power connection and fuse; Adjust temperature setting; Ensure adequate airflow around the unit; Close door firmly, check door seal.
Unusual noise	Appliance not level; Items inside rattling; Compressor noise (normal operation).	Ensure refrigerator is on a level surface; Rearrange items inside; Compressor noise is normal during operation.
Water accumulation inside	Drain hole blocked; Door left open too long.	Clear the drain hole (usually at the back of the interior); Ensure door is closed properly.
TFT Display not working	No power; Display fault.	Check power supply; If power is present, contact Dometic service.

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

8. Specifications

Feature	Specification
Brand	DOMETIC
Model Identifier	RC10.4T.90
Model Number	RC10.4T.90
Item Number	5999024870148
Installation Type	Freestanding
Annual Energy Consumption	1 Kilowatt (This value seems unusually low for annual consumption, typically measured in kWh/year. Please refer to product label for accurate kWh/year.)
Color	Standard
Voltage	12V DC (Primary), 230V AC (for certain models/installations, check specific product label)
Number of Drawers	2
Defrost System	Automatic
Door Hinge	Reversible
Number of Shelves	2
Weight	30 Kilograms
Refrigerant	R-600A
Cooling Method	Compressor
Number of Doors	1

9. Warranty and Support

Your DOMETIC RC 10.4T 90 Compressor Refrigerator comes with a manufacturer's warranty. The specific terms and duration of the warranty may vary by region and retailer. Please refer to the warranty card included with your product or visit the official Dometic website for detailed warranty information.

For technical support, spare parts, or service inquiries, please contact Dometic customer service. You can find contact information on the Dometic website or in the documentation provided with your appliance.

Dometic Official Website: www.dometic.com