Nomad CR50X

NOMAD CR50X Campervan Fridge Freezer

USER MANUAL

Figure 1: The NOMAD CR50X Integrated Refrigerator, designed for mobile living.

Introduction

This manual provides essential information for the safe and efficient operation of your NOMAD CR50X 12/24V Integrated

Refrigerator. Designed for campervans, motorhomes, and boats, the CR50X offers reliable cooling and freezing capabilities with advanced features like a digital control panel, night mode, reversible door, and robust battery protection. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your appliance.

Safety Instructions

- Ensure the appliance is connected to a 12V or 24V DC power supply only.
- Do not block ventilation openings.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- Keep the appliance away from direct heat sources and direct sunlight.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

Setup

Unpacking and Inspection

Carefully remove the refrigerator from its packaging. Inspect the unit for any signs of damage during transit. Report any damage to your supplier immediately. The package should contain the NOMAD CR50X RV Fridge unit.

Placement and Ventilation

The CR50X is designed for built-in installation. Ensure adequate ventilation around the unit to allow for proper heat dissipation. Refer to the dimensions for precise fitting:

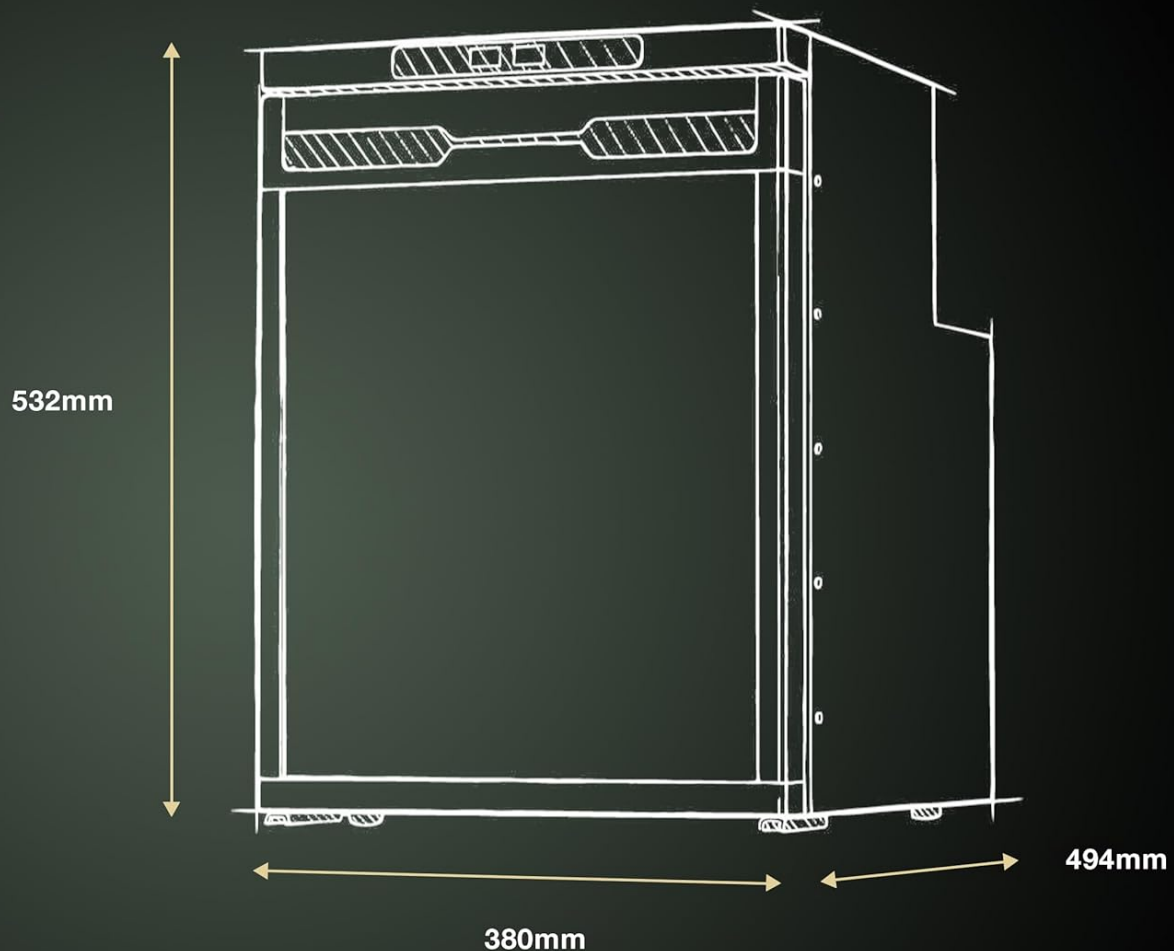Product Dimensions: 380mm (W) x 494mm (D) x 532mm (H)

Figure 2: NOMAD CR50X Dimensions. The unit measures 380mm in width, 494mm in depth, and 532mm in height, designed for compact integration.

Door Reversibility and Installation

The CR50X features a reversible door, allowing it to open from either the left or right side to suit your installation needs. Instructions for reversing the door can be found in the detailed installation guide (not included in this general manual, refer to product packaging or manufacturer's website).

Figure 3: Reversible Door Installation. The fridge door can be configured to open from either the left or right side, providing flexibility for various layouts.

Figure 4: Integrated Installation. The sleek design of the CR50X allows it to blend seamlessly into a campervan's interior, providing a clean and contemporary look.

Electrical Connection

Connect the refrigerator to a stable 12V or 24V DC power source. Ensure the wiring is correctly sized for the current draw (5 amps at 12V / 2.5 amps at 24V). The unit is equipped with a 3-level battery protection system to prevent deep discharge of your leisure battery.

- **High Mode:** Disconnects at higher voltage to protect battery for longer.
- **Medium Mode:** Standard protection.
- **Low Mode:** Allows for deeper discharge, suitable for robust battery systems.

Select the appropriate battery protection level based on your battery type and usage requirements.

Operating Instructions

Digital Control Panel

The CR50X features a soft-touch digital control panel for precise temperature management.

Figure 5: Digital Control Panel. Provides precise, user-friendly temperature management with clear display and intuitive buttons.

- **Power Button:** Press and hold to turn the unit ON/OFF.
- **Temperature Adjustment:** Use the '+' and '-' buttons to set the desired temperature. The display will show the current and target temperatures.
- **Settings Button (Gear Icon):** Access advanced settings, including battery protection level and night mode.
- **Night Mode:** Activates a quieter operation mode, ideal for sleeping.

Temperature Range

The refrigerator compartment operates between 0-8°C (32-46°F), and the freezer compartment between -12 to -20°C (10 to -4°F).

Figure 6: Interior Layout. The CR50X features adjustable shelving, a spacious crisper drawer for fresh produce, and a dedicated freezer compartment, offering versatile storage options.

Maintenance

Cleaning

- Always disconnect the power before cleaning.
- Clean the interior and exterior with a damp cloth and mild detergent. Avoid abrasive cleaners or solvents.
- Regularly clean the condenser coils (located at the back or bottom) to ensure efficient operation. Use a soft brush or vacuum cleaner.
- Wipe down door seals regularly to maintain a tight seal.

Defrosting

The CR50X features a manual defrost system. When ice buildup in the freezer compartment exceeds a few millimeters, defrost the unit:

1. Turn off the refrigerator and disconnect it from the power supply.

2. Remove all food items and place them in a cooler.

3. Leave the door open to allow ice to melt naturally. You can place towels at the bottom to absorb water.

4. Do not use sharp objects or heating devices to speed up defrosting, as this can damage the unit.

5. Once defrosted, clean and dry the interior thoroughly before reconnecting power and returning food.

Long-Term Storage

If the refrigerator will not be used for an extended period, clean it thoroughly, leave the door slightly ajar to prevent odors and mold, and disconnect it from the power supply.

Troubleshooting

Problem	Possible Cause	Solution
Refrigerator not cooling	No power; Temperature setting too high; Poor ventilation; Door not closed properly.	Check power connection and fuse; Adjust temperature setting lower; Ensure adequate airflow around the unit; Check door seal and ensure it's fully closed.
Unit is noisy	Unit not level; Objects vibrating against the unit; Compressor noise (normal).	Ensure the unit is on a stable, level surface; Remove any objects touching the unit; Some compressor noise is normal, especially when starting.
Excessive ice buildup	Door left open frequently; High humidity; Faulty door seal.	Minimize door openings; Ensure door is fully closed; Check and clean door seal, replace if damaged; Defrost the unit manually.
Digital display not working	Power issue; Control panel malfunction.	Check power supply; Try turning the unit off and on again; If problem persists, contact customer support.

Specifications

For detailed technical specifications, please refer to the table below or visit the official product page NOMAD CR50X Technical Data

Feature	Detail
Brand	Nomad
Model	CR50X
Product Dimensions (W x D x H)	380 x 494 x 532 mm
Item Weight	14.6 kg
Total Capacity	43.4 litres
Refrigerator Capacity	40.2 litres
Freezer Capacity	3.2 litres
Voltage	12V / 24V DC
Rated Power	60 Watts

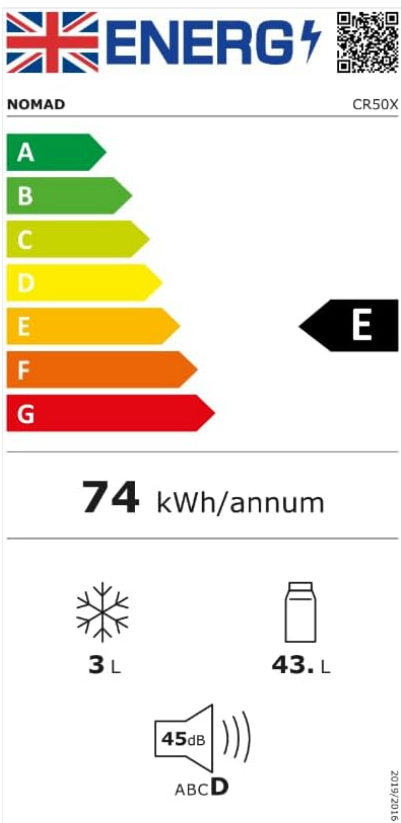| Feature	Detail
Rated Current (12V / 24V)	5 amps / 2.5 amps
Annual Energy Consumption	74 kWh/annum
Noise Level	≤45dB
Refrigerant	R600a Isobutane (12g)
Defrost System	Manual
Door Orientation	Reversible
Special Features	3-Layer Battery Protection System, Digital Control Panel, Night Mode
Installation Type	Built-In
Certifications	CE/TUV/SGS

Figure 7: Energy Efficiency Label. The NOMAD CR50X is rated Energy Class E with an annual energy consumption of 74 kWh and a noise level of 45dB.

Warranty and Support

Your NOMAD CR50X refrigerator comes with a manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the official Nomad website for detailed warranty terms and conditions.
For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact Nomad customer support through their official website or the retailer from whom you purchased the product.