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Alpicool NCF55

Alpicool NCF55 Portable Fridge Freezer User Manual

Model: NCF55

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Alpicool NCF55 Portable Fridge Freezer. Please read it thoroughly before use and retain it for future reference.



Image: The Alpicool NCF55 Portable Fridge Freezer, a compact black unit with a control panel and handles on the side.

2. SAFETY INSTRUCTIONS

To ensure safe operation, observe the following precautions:

- Ensure the power supply voltage matches the specifications of the appliance.
- Do not operate the appliance if it is visibly damaged.
- Keep ventilation openings clear of obstructions.
- Do not use electrical devices inside the appliance unless they are recommended by the manufacturer.
- Avoid placing the appliance near heat sources or in direct sunlight for extended periods.
- Disconnect the power supply before cleaning or maintenance.

3. PRODUCT FEATURES

The Alpicool NCF55 Portable Fridge Freezer offers versatile cooling and freezing capabilities for various applications.

- **Temperature Range:** Wide control from -4°F to 68°F (-20°C to 20°C) for both refrigeration and freezing.
- **Capacity:** Spacious 52-quart (49.4-liter) interior.
- **Portable Design:** Compact construction with sturdy handles for easy transport.
- **Power Source:** Operates on 12V DC for vehicle use, with fast cooling technology.
- **Dual-Zone Capability:** Allows for separate temperature control or uniform cooling across compartments.
- **Battery Protection:** 3-level low voltage protection system to prevent excessive car battery discharge.

52QT/49.4L CAPACITY



*All data are measured manually, please allow a certain degree of error

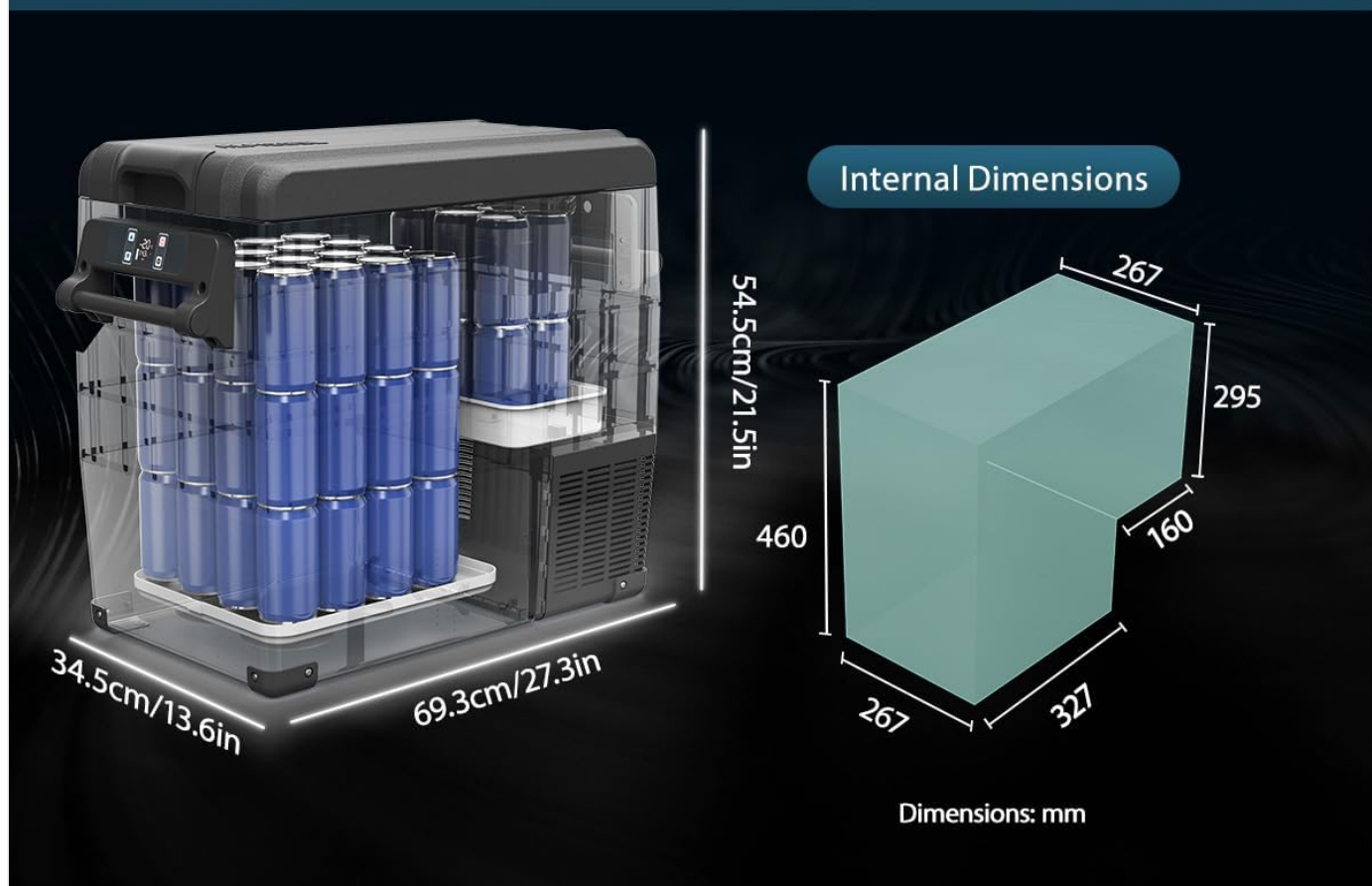


Image: Diagram illustrating the 52-quart (49.4-liter) capacity of the NCF55, showing approximate storage for various beverage sizes. Internal dimensions are also provided.

DUAL-ZONE LARGE-CAPACITY STORAGE



Refrigeration Only



Refrigeration or Freezing Area



Comes with a basket to keep food from sticking to the inner walls.

Image: Illustration of the dual-zone large-capacity storage, showing one compartment for refrigeration only and another for refrigeration or freezing, with a wire basket included.



Image: Diagram explaining the dual-zone single temperature control. Both zones refrigerate above 32°F (0°C), while below 32°F (0°C), the freezer zone freezes and the fridge zone refrigerates.



Image: Visual representation of the unit's function as both a freezer (no ice needed, for meat, frozen food, seafood, ice cream) and a refrigerator (for vegetables, fruits, beverages, dairy).

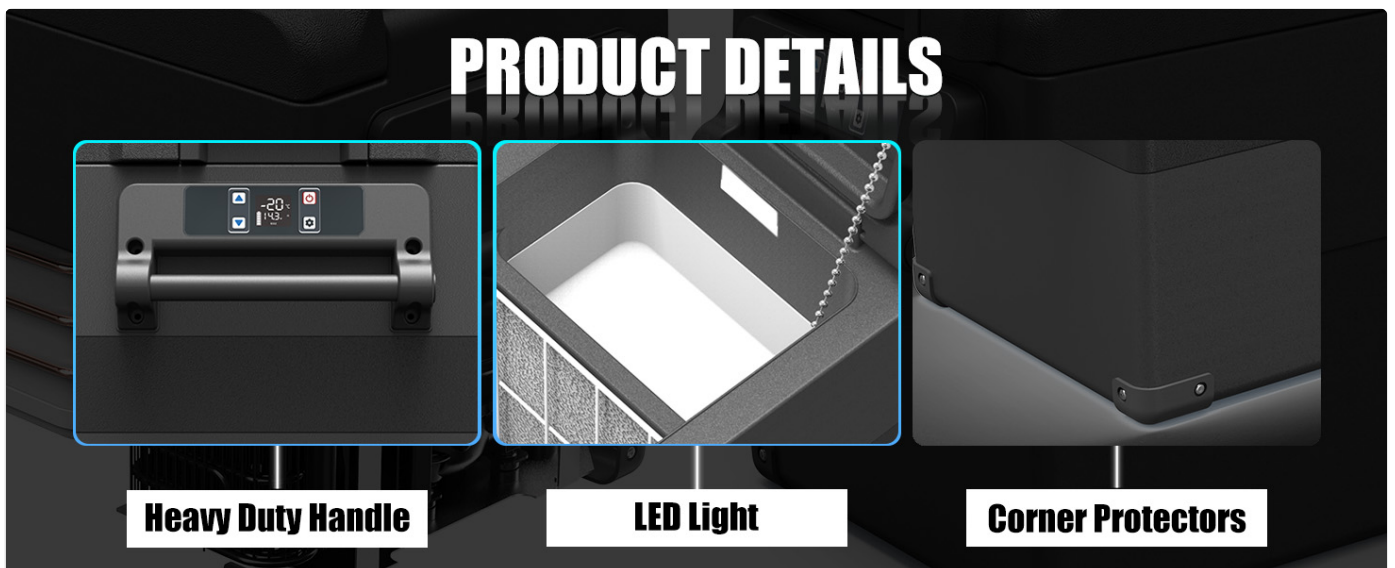


Image: Visual representation of the 3-level battery protection system (Low, Medium, High) which prevents the car battery from excessive discharge when the refrigerator is powered by the vehicle.

4. PACKAGE CONTENTS

Verify that all items are present in the package:

- Alpicool NCF55 Portable Fridge Freezer Unit
- 100-240V AC Adapter & Cord
- 2.5m 12/24V DC Power Cord
- Wire Storage Basket
- User Manual



Image: A visual showing the included accessories: 100-240V AC adapter and cord, 2.5m 12/24V DC power cord, wire storage basket, and the user manual.

5. SETUP

5.1 Placement

Place the fridge freezer on a stable, level surface. Ensure adequate ventilation around the unit, leaving at least 10 cm (4 inches) of space on all sides for proper airflow.

5.2 Power Connection

The NCF55 can be powered by various sources:

1. **Home Outlet (AC 100-240V):** Use the provided AC power cable to connect the unit to a standard wall outlet.
2. **Car Cigarette Lighter (DC 12/24V):** Use the provided DC power cable to connect to your vehicle's cigarette lighter socket.
3. **Connecting Power Station (Optional):** The unit can also be connected to a portable power station or solar panel setup (accessories not included unless specified).



Image: Visual guide showing three power connection options: a home outlet (AC 100-240V), a car cigarette lighter (DC 12/24V), and an optional connection to a solar panel/battery station.

6. OPERATING INSTRUCTIONS

6.1 Control Panel Overview

The control panel, integrated into the heavy-duty handle, typically includes a power button, temperature adjustment buttons (+/-), and a mode selection button. Refer to the specific diagram in your physical manual for exact button layout.

CHARGE YOUR FRIDGE OUTDOOR



Car



Truck



RV



Van



Home



Boat

1



100-240V AC
Adapter & Cord

2



2,5m 12/24V
DC Power Cord

3



Wire Storage
Basket

4



User Manual

Image: Close-up views of the Alpicool NCF55, highlighting key product details such as the heavy-duty handle with integrated control panel, the internal LED light, and corner protectors for durability.

6.2 Powering On/Off

Press and hold the power button for a few seconds to turn the unit on or off.

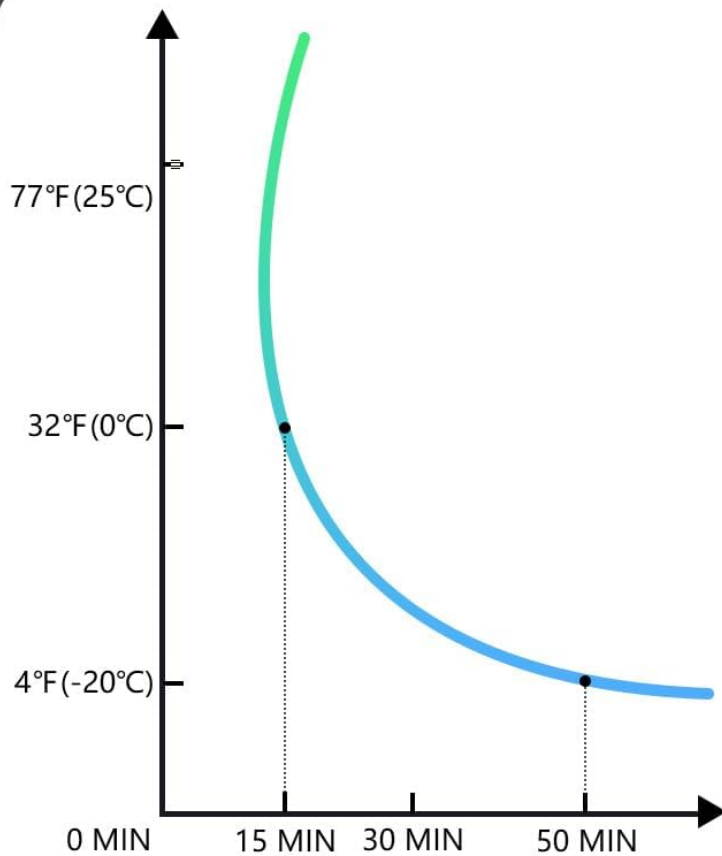
6.3 Temperature Setting

Use the '+' and '-' buttons to adjust the desired temperature. The display will show the current internal temperature and the set temperature.

6.4 Mode Selection

Some models may feature different operating modes (e.g., MAX for fast cooling, ECO for energy saving). Consult your physical manual for specific mode functions and how to select them.

FAST COOLING TO -4°F/-20°C



Date based on 77°F(25°C) ambient temp and empty box



Image: A graph demonstrating the fast cooling capability of the Alpicool NCF55, showing it can reach -4°F (-20°C) from 77°F (25°C) ambient temperature in approximately 50 minutes when empty.

6.5 Battery Protection Setting

The unit features a 3-level battery protection system (Low, Medium, High) to prevent your vehicle's battery from draining. Adjust this setting based on your battery's condition and usage. Higher settings offer more protection but may cause the unit to shut off sooner.

7. MAINTENANCE

7.1 Cleaning

- Disconnect the power supply before cleaning.
- Clean the interior and exterior with a damp cloth and mild detergent.
- Do not use abrasive cleaners or sharp objects.
- Ensure the unit is completely dry before reconnecting power.

7.2 Defrosting

The unit features an automatic defrost system. If ice buildup occurs, turn off the unit and allow the ice to melt naturally. Wipe away excess water with a cloth.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Faulty cable; Low car battery voltage.	Check power connection; Replace cable; Adjust battery protection setting or charge car battery.
Insufficient cooling	Ventilation blocked; Too high ambient temperature; Door not closed properly; Overloaded.	Clear vents; Move to cooler area; Ensure door is sealed; Do not overload.
Unusual noise	Unit not level; Fan obstruction.	Place on a level surface; Check for obstructions around the fan.
Display error codes	Internal fault.	Refer to your physical manual for specific error code meanings or contact customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	Alpicool
Model	NGF55
Capacity	52 Quarts (49.4 Liters)
Temperature Range	-4°F to 68°F (-20°C to 20°C)
Voltage	12 Volts (DC), 100-240 Volts (AC)
Item Weight	32.4 Pounds
Product Dimensions (D x W x H)	13.6 x 27.3 x 21.5 inches
Noise Level	45 dB
Defrost System	Automatic
Special Feature	Portable

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official Alpicool website. Keep your purchase receipt as proof of purchase for warranty claims.

You can visit the Alpicool store on Amazon for more information: [Alpicool Store](#)

