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- › [Alpicool](#) /
- › [Alpicool NCF45 Portable Fridge Freezer Instruction Manual](#)

## Alpicool NCF45

# Alpicool NCF45 Portable Fridge Freezer Instruction Manual

Model: NCF45 | Brand: Alpicool

## 1. PRODUCT OVERVIEW

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The Alpicool NCF45 is a versatile 42-quart (40-liter) portable fridge freezer designed for various applications including outdoor activities, camping, RV travel, and truck use. It offers powerful chilling performance, capable of reaching temperatures as low as -4°F (-20°C), allowing it to function as either a refrigerator or a freezer. Key features include digital controls for precise temperature adjustment, a car battery protection system, and a functional design with an internal LED light and basket.



Image 1.1: The Alpicool NCF45 Portable Fridge Freezer, a compact and robust unit designed for mobile cooling needs.

## 2. SETUP AND INSTALLATION

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### 2.1 Unpacking

Carefully remove the fridge freezer from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. Retain the packaging for future storage or transport.

### 2.2 Placement

Place the unit on a stable, level surface. Ensure adequate ventilation around the compressor area to allow for efficient heat dissipation. Avoid placing the unit in direct sunlight or near heat sources.

### 2.3 Power Connection

The NCF45 can be powered by various sources:

- **Home Outlet (AC 100-240V):** Use the included AC power cable and adapter for household power.
- **Car Cigarette Lighter (DC 12/24V):** Use the included DC power cable for vehicle power.

- **Connecting Power Station (Optional):** The unit can also be connected to a solar panel or battery station for off-grid use.



Image 2.1: Illustration of the various power connection options for the Alpicool NCF45, including home AC, car DC, and optional power stations.

## 2.4 Initial Use

Before first use, it is recommended to clean the interior of the unit with a damp cloth. After connecting to power, allow the unit to run for approximately 15-30 minutes to reach the desired temperature before loading contents.

## 3. OPERATING INSTRUCTIONS

### 3.1 Digital Controls

The unit features a digital display panel for precise temperature adjustment and easy operation. Refer to the control panel on the unit for specific button functions (e.g., Power, Set, Up, Down).

### 3.2 Temperature Settings

The Alpicool NCF45 can maintain temperatures from  $-4^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$ ) to  $68^{\circ}\text{F}$  ( $20^{\circ}\text{C}$ ). Use the temperature adjustment buttons to set your desired cooling or freezing temperature. The unit is capable of fast cooling, reaching  $-4^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$ ) in approximately 50 minutes from an ambient temperature of  $77^{\circ}\text{F}$  ( $25^{\circ}\text{C}$ ) when empty.

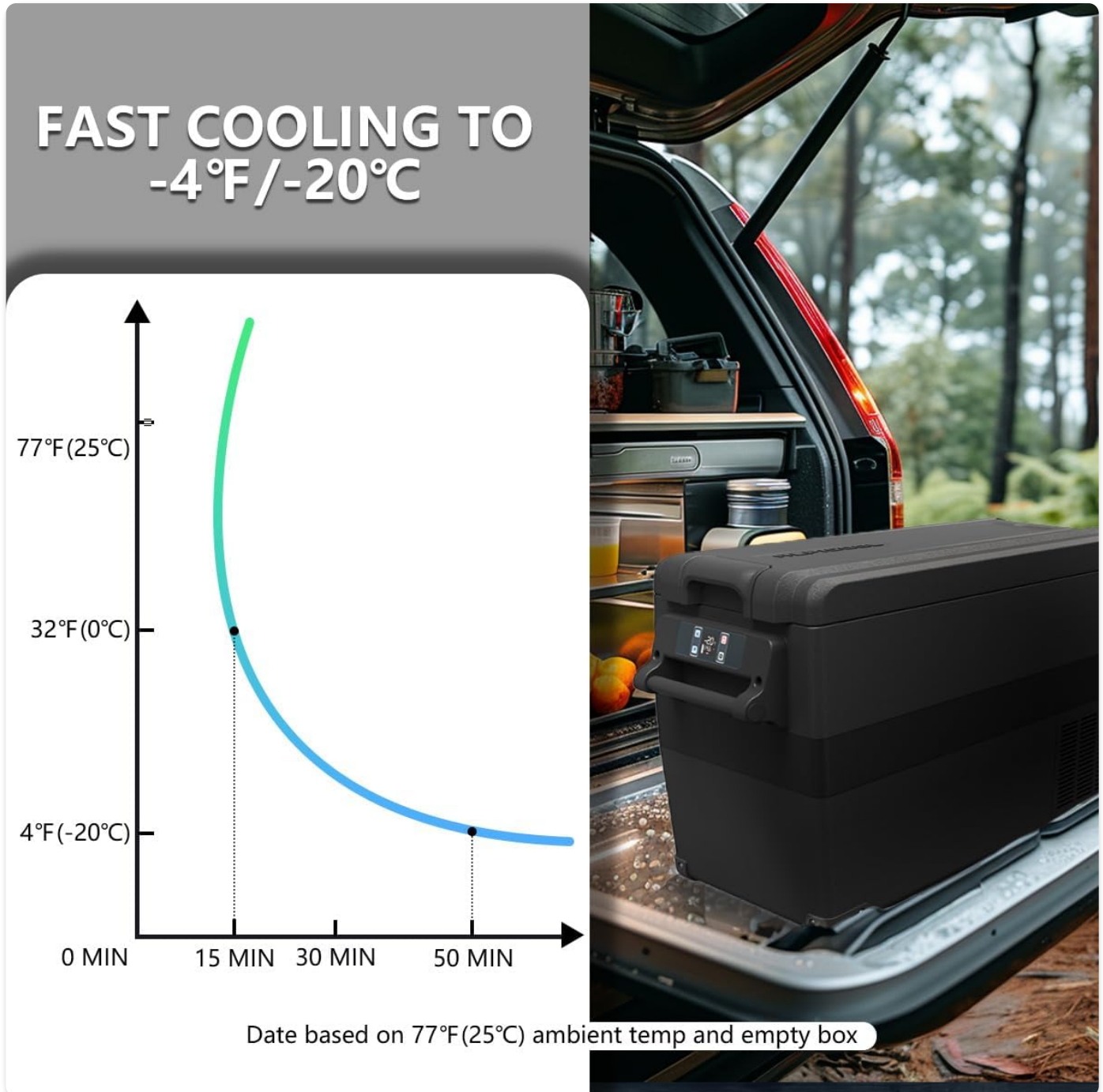


Image 3.1: Graph illustrating the fast cooling performance of the Alpicool NCF45, showing temperature drop over time.

### 3.3 Car Battery Protection

To prevent excessive discharge of your vehicle's battery, the unit is equipped with a 3-level battery protection system: Low, Med (Medium), and High. Select the appropriate level based on your vehicle's battery condition and usage. When the refrigerator is powered by the car, the low voltage protection system activates to prevent the car battery from running down.



Image 3.2: Diagram showing the three battery protection levels (Low, Medium, High) to safeguard your vehicle's battery.

### 3.4 Dual-Zone Operation

The NCF45 features a dual-zone design, allowing for flexible storage. It includes a dedicated refrigeration-only area and a combined refrigeration or freezing area. This enables you to store different types of items at their optimal temperatures simultaneously.

# DUAL-ZONE LARGE-CAPACITY STORAGE



Image 3.3: Visual representation of the dual-zone large-capacity storage within the Alpicool NCF45, showing separate areas for refrigeration and freezing.

The unit comes with a basket to help keep food from sticking to the inner walls and organize contents efficiently.

## 4. MAINTENANCE

### 4.1 Cleaning

Regularly clean the interior and exterior of the fridge freezer. Use a soft cloth with mild detergent and water. Avoid abrasive cleaners or solvents that could damage the surfaces. Ensure the unit is unplugged before cleaning.

### 4.2 Defrosting

The Alpicool NCF45 features an automatic defrost system. However, if a significant layer of ice builds up, manually defrost the unit by unplugging it and allowing the ice to melt naturally. Wipe away any melted water.

### 4.3 Storage

When storing the unit for an extended period, ensure it is clean, dry, and unplugged. Leave the lid slightly ajar to prevent odors and mold growth.

## 5. TROUBLESHOOTING

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If you encounter issues with your Alpicool NCF45, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit not powering on	No power supply; loose connection; blown fuse.	Check power cable connection; ensure power outlet is functional; check vehicle's fuse.
Not cooling sufficiently	Temperature setting too high; poor ventilation; excessive contents; door not sealed.	Adjust temperature lower; ensure adequate space around unit; do not overfill; check door seal.
Battery protection activated	Vehicle battery voltage is low.	Adjust battery protection level (e.g., from High to Med or Low) or charge vehicle battery.
Unusual noise	Unit not level; fan obstruction.	Place unit on a level surface; check for obstructions around the fan.

If the problem persists after attempting these solutions, please contact customer support.

## 6. SPECIFICATIONS

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Detailed specifications for the Alpicool NCF45 Portable Fridge Freezer:

Feature	Specification
Brand Name	Alpicool
Model Info	NCF45
Item Weight	29.8 pounds
Product Dimensions	13.6 x 27.3 x 18.5 inches (D x W x H)
Capacity	40 Liters (42 Quart)
Voltage	12 Volts (DC)
Defrost System	Automatic
Special Features	Portable
Included Components	Handle
Color	Black
Installation Type	Freestanding
Number of Doors	1

# 42QT/40L CAPACITY



x68  
12 oz  
(355ml)

or



x28  
16.9 oz  
(500ml)

or



x15  
25 oz  
(750ml)

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

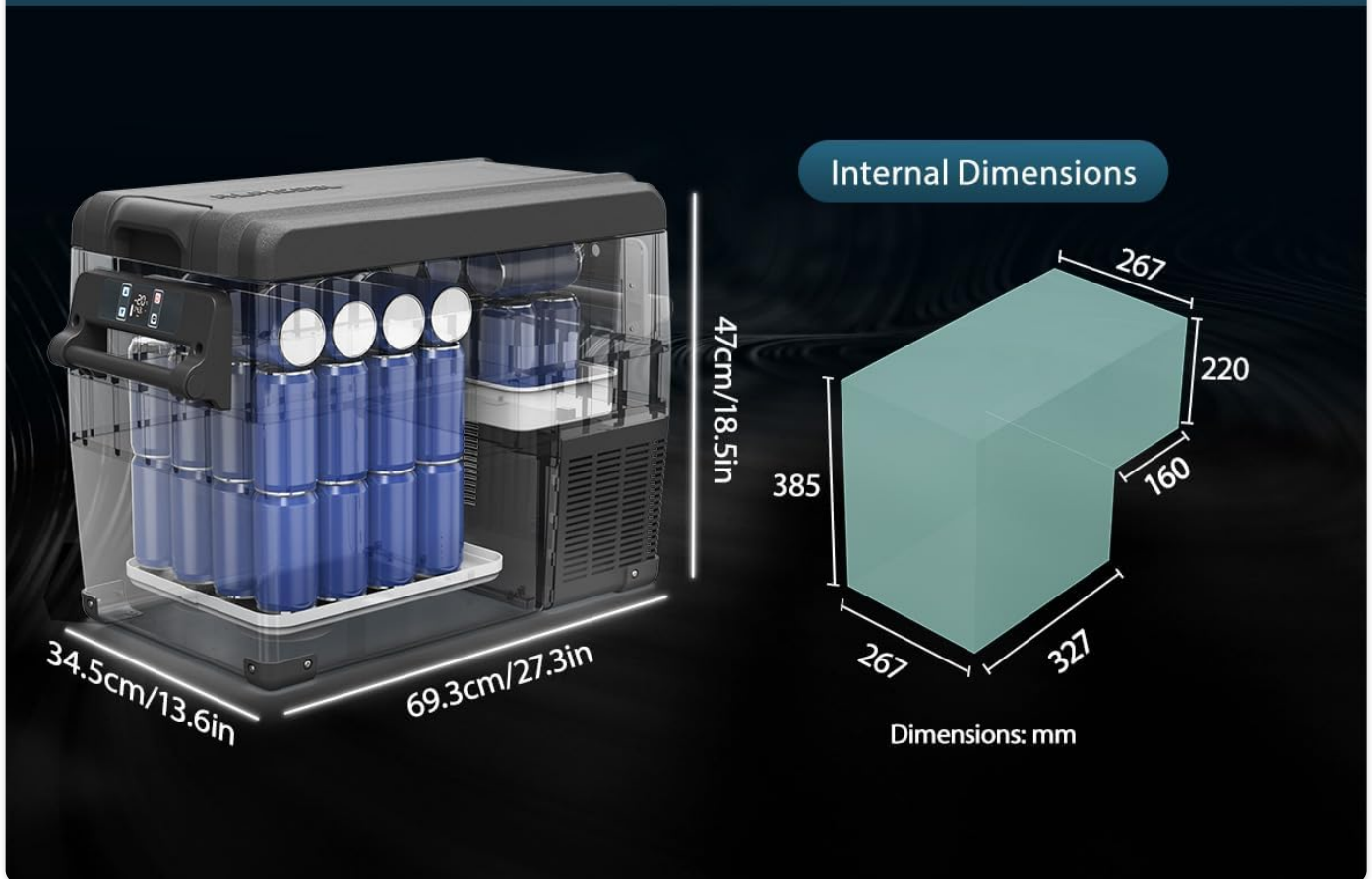


Image 6.1: Diagram showing the 42QT/40L capacity and external/internal dimensions of the Alpicool NCF45.

## 7. WARRANTY AND SUPPORT

### 7.1 Warranty Information

Warranty details for the Alpicool NCF45 Portable Fridge Freezer are typically provided with the product packaging or can be found on the official Alpicool website. Please refer to these sources for specific warranty terms and conditions.

### 7.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Alpicool customer support through their official website or the contact information provided in your product documentation.

