

Alpicool CF35

Alpicool CF35 Portable Car Refrigerator

User Instruction Manual

Model: CF35 | Brand: Alpicool

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1. INTRODUCTION

Thank you for choosing the Alpicool CF35 Portable Car Refrigerator. This versatile appliance is designed to provide efficient cooling and freezing for your outdoor adventures, camping trips, RV travel, and truck use. It operates on both 12/24V DC and 100-240V AC power, offering flexibility for various applications. Please read this manual thoroughly before use to ensure proper operation, safety, and longevity of your unit.

2. IMPORTANT SAFETY INFORMATION

Please read and understand all safety warnings and instructions before operating this appliance. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply voltage matches the appliance's requirements (12/24V DC or 100-240V AC).
- Do not operate the refrigerator if the power cord is damaged or if the appliance shows signs of malfunction. Contact qualified service personnel.
- Keep ventilation openings clear of obstructions. Adequate airflow is essential for efficient operation and to prevent overheating.
- Do not immerse the appliance in water or expose it to excessive moisture.
- Avoid placing hot food or liquids directly into the refrigerator. Allow them to cool down first.
- Do not use electrical devices inside the refrigerator unless they are recommended by the manufacturer.
- 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.
- Disconnect the power supply before cleaning or performing any maintenance.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

3. PRODUCT OVERVIEW

3.1 Package Contents

Upon unpacking, please verify that all items listed below are present and undamaged:

- Alpicool CF35 Portable Car Refrigerator Unit
- DC Power Cable (12/24V)
- AC Adapter (100-240V)
- Removable Internal Basket



Figure 3.1: Alpicool CF35 Refrigerator and Accessories

3.2 Key Features and Components

The Alpicool CF35 is designed for convenience and performance. Key features include:

- **Efficient Compressor:** Provides powerful chilling performance, capable of reaching temperatures from -4°F (-20°C) to 68°F (20°C).

- **Dual Power Input:** Compatible with 12/24V DC for vehicle use and 100-240V AC for home or campsite use.
- **Battery Protection System:** Features 3 levels (Low, Med, High) to prevent your vehicle battery from draining.
- **LCD Display:** Digital interface for temperature adjustment and monitoring.
- **Built-in LED Light:** Illuminates the interior for easy visibility.
- **Removable Internal Basket:** For organized storage and easy removal of contents.
- **Durable Construction:** Equipped with corner protectors for enhanced durability.



Figure 3.2: Key Features in Use



Figure 3.3: Control Panel



Figure 3.4: Removable Internal Basket



Figure 3.5: Built-in LED Light

4. SETUP AND FIRST USE

4.1 Unpacking and Placement

1. Carefully remove the refrigerator from its packaging.
2. Inspect the unit for any shipping damage. If damage is found, do not operate and contact customer support.
3. Place the refrigerator on a flat, stable surface. Ensure there is adequate ventilation around the unit, especially near the compressor and vents. Avoid placing it in direct sunlight or near heat sources.
4. For optimal performance, allow the refrigerator to stand upright for at least 6 hours before connecting to power, especially if it was transported horizontally. This allows the compressor oil to settle.

4.2 Power Connection

The Alpicool CF35 can be powered by two methods:

- **DC Power (12/24V):** Connect the DC power cable to the refrigerator's DC input port and then to your vehicle's 12V or 24V power outlet (cigarette lighter socket).
- **AC Power (100-240V):** Connect the AC adapter to the refrigerator's AC input port, then plug the adapter into a standard wall outlet.

Note: The unit will automatically detect the input voltage. Do not connect both AC and DC power simultaneously.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Functions

The control panel features an LCD display and several buttons for operation:

- **Power Button:** Press to turn the unit ON/OFF.
- **SET Button:** Press to enter temperature setting mode or to cycle through battery protection levels (Low, Med, High) and operating modes (ECO, MAX).
- **Up/Down Buttons (▲ / ▼):** Adjust the temperature setting or navigate menu options.

5.2 Setting Temperature

1. Turn on the refrigerator by pressing the Power button.
2. The LCD display will show the current internal temperature.
3. Press the SET button once. The temperature display will flash.
4. Use the Up (▲) or Down (▼) buttons to adjust the desired temperature. The temperature range is -4°F (-20°C) to 68°F (20°C).
5. After setting, the display will stop flashing and return to showing the current temperature after a few seconds. The unit will begin cooling or heating to the set temperature.

5.3 Operating Modes (ECO/MAX)

The CF35 offers two operating modes:

- **ECO Mode (Energy Saving):** The compressor operates at a lower speed, consuming less power. Ideal for maintaining temperature or when power efficiency is critical.
- **MAX Mode (Fast Cooling):** The compressor operates at maximum speed for rapid cooling or freezing. Use this mode when you need to quickly reach the desired temperature.

To switch between modes:

1. With the unit ON, press the SET button repeatedly until 'ECO' or 'MAX' appears on the display.
2. Use the Up (▲) or Down (▼) buttons to select your desired mode.
3. The setting will be saved automatically after a few seconds.



Figure 5.1: ECO vs. MAX Mode

5.4 Battery Protection System

The unit includes a battery protection system to prevent excessive discharge of your vehicle's battery. There are three levels:

- **Low (L):** Lowest cut-off voltage, allows for maximum battery usage.
- **Med (M):** Medium cut-off voltage, suitable for most applications. (Default setting)
- **High (H):** Highest cut-off voltage, provides maximum battery protection. Recommended for starting batteries.

To adjust the battery protection level:

1. With the unit ON, press and hold the SET button for approximately 3 seconds until the battery icon flashes.
2. Use the SET button to cycle through the levels (L, M, H).
3. Release the SET button. The setting will be saved automatically after a few seconds.

Note: If the unit displays an 'E1' error code, it indicates low voltage. Adjust the battery protection level to a lower setting (e.g., from H to M or L) or recharge your battery.

EFFICIENT COMPRESSOR FOR FAST COOLING

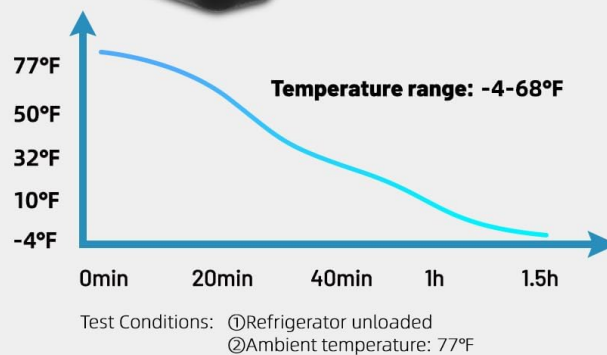
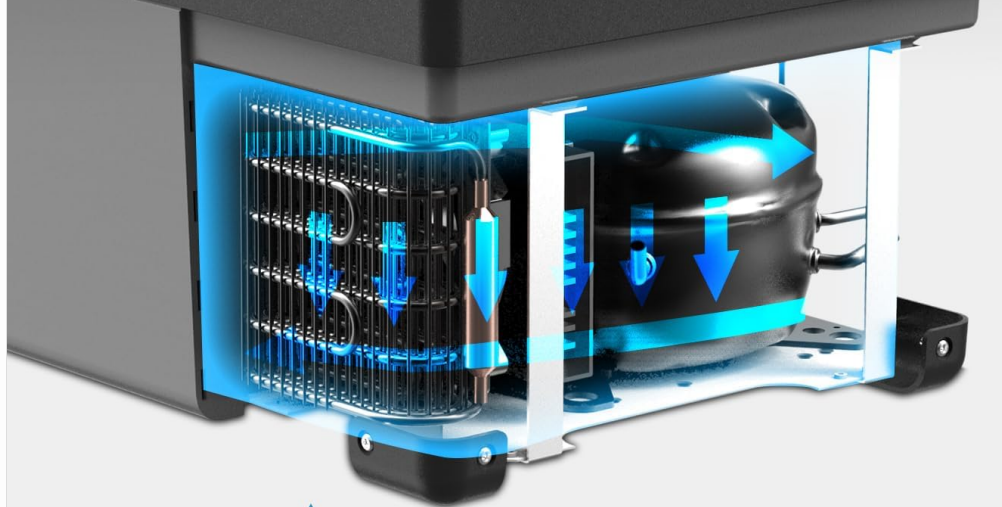


Figure 5.2: Fast Cooling Performance

6. MAINTENANCE AND CARE

6.1 Cleaning

- Always disconnect the power supply before cleaning.
- Clean the interior and exterior of the refrigerator with a damp cloth and mild detergent. Avoid abrasive cleaners or solvents.
- Wipe dry thoroughly after cleaning to prevent water spots or mildew.
- Regularly clean the ventilation grilles to ensure proper airflow and prevent dust buildup. Use a soft brush or vacuum cleaner.

6.2 Defrosting

The Alpicool CF35 features an automatic defrost system. However, if a thick layer of ice builds up on the interior walls, it can reduce cooling efficiency. To manually defrost:

1. Turn off the refrigerator and disconnect it from the power supply.
2. Remove all contents.
3. Leave the lid open to allow the ice to melt naturally. You can place a towel inside to absorb water.
4. Once defrosted, wipe the interior dry before reconnecting power and resuming use. Do not use sharp objects

to remove ice.

6.3 Storage

When storing the refrigerator for an extended period:

- Ensure the unit is clean and dry.
- Leave the lid slightly ajar to prevent odors and mildew formation.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Before contacting customer support, please refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
Refrigerator not turning on.	No power supply; Damaged power cord; Blown fuse in vehicle.	Check power connection. Try a different outlet. Inspect power cord for damage. Check vehicle's fuse box.
Refrigerator not cooling sufficiently.	Lid not closed properly; Insufficient ventilation; Ambient temperature too high; Overloaded with warm items; ECO mode selected.	Ensure lid is securely closed. Clear vents. Move unit to a cooler area. Allow warm items to cool before placing inside. Switch to MAX mode for faster cooling.
Display shows 'E1' error code.	Low voltage input (battery protection activated).	Adjust battery protection level to 'Low' (L). Recharge vehicle battery or connect to a stable power source.
Unusual noise from the unit.	Unit not level; Objects inside rattling; Normal compressor operation.	Ensure unit is on a flat surface. Secure items inside. A slight humming sound from the compressor is normal.
Water accumulation inside.	Condensation; Melting ice.	This is normal. Wipe dry regularly. Ensure drain plug (if present) is closed during operation.

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

8. SPECIFICATIONS

Technical specifications for the Alpicool CF35 Portable Car Refrigerator:

Feature	Detail
Model	CF35
Capacity	32 Quarts (30.6 Liters)
Product Dimensions (D x W x H)	13.6 x 15 x 27.2 inches (34.5 x 38.1 x 69.1 cm)
Item Weight	28 pounds (12.7 kg)
Voltage	12 Volts (DC), 100-240 Volts (AC)
Wattage	45 watts
Temperature Range	-4°F to 68°F (-20°C to 20°C)
Defrost System	Automatic
Material Type	Foam (Insulation)
Installation Type	Freestanding
Number of Doors	1
Annual Energy Consumption	174 Kilowatt Hours Per Year

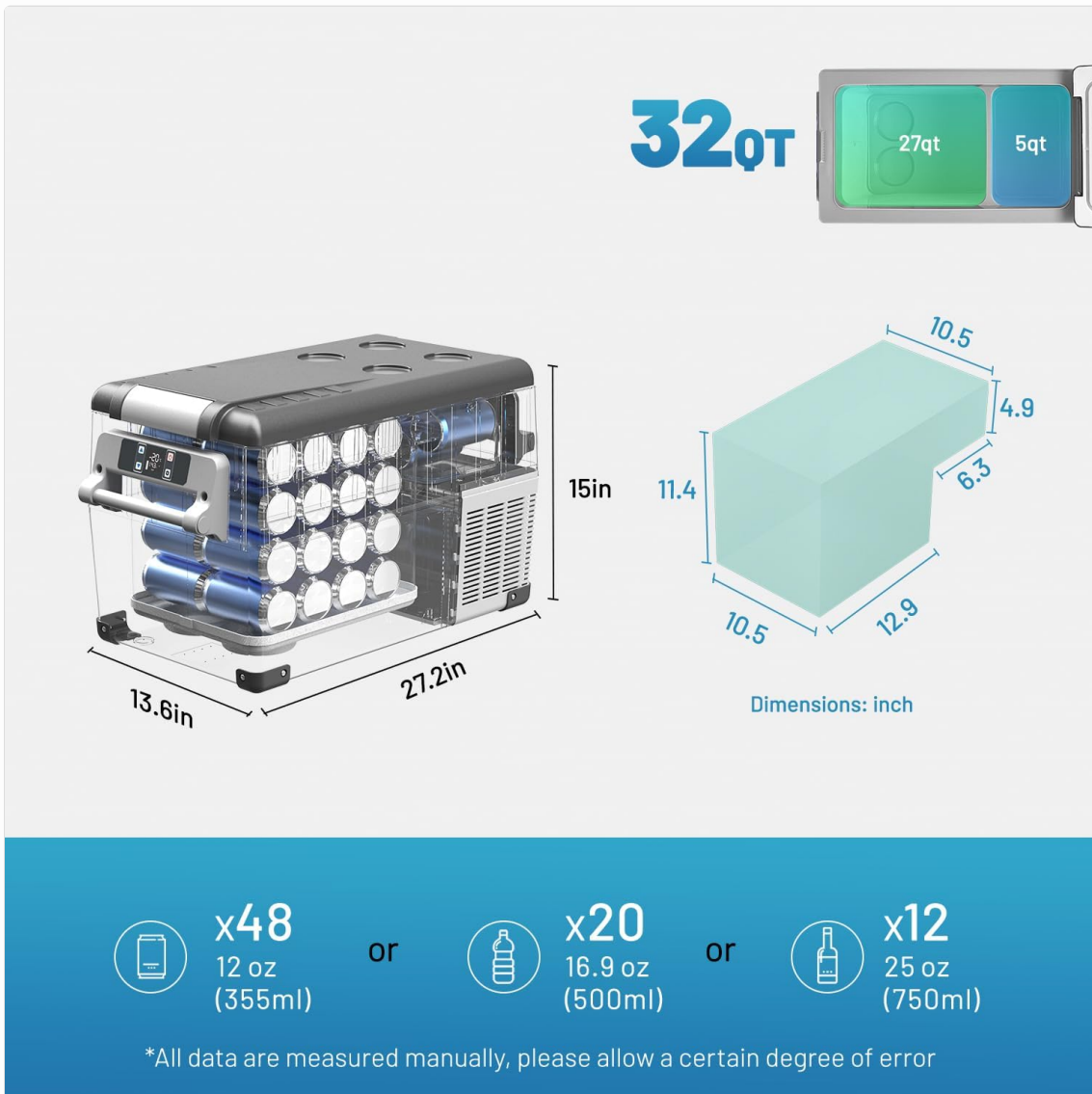


Figure 8.1: Product Dimensions and Capacity

9. WARRANTY AND CUSTOMER SUPPORT

Alpicool is committed to providing high-quality products. For warranty information, technical assistance, or any questions not covered in this manual, please contact Alpicool customer support through the official website or your point of purchase.

Please have your model number (CF35) and purchase date ready when contacting support.

9.1 Official Product Videos

No official product videos from the seller were found that meet the embedding criteria (e.g., specific m3u8 URLs or explicit 'creator_type': 'Seller' information).