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› Alpicool 35L Car Refrigerator User Manual

Alpicool NL40

Alpicool 35L Portable Car Refrigerator User Manual

Model: NL40

Brand: Alpicool

1. INTRODUCTION

Thank you for choosing the Alpicool 35L Portable Car Refrigerator. This appliance is designed to provide efficient cooling and freezing for your food and beverages, making it ideal for camping, RV trips, road trips, picnics, and use in trucks or campers. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your refrigerator.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before using the appliance to prevent injury or damage.

- Ensure the power supply voltage matches the specifications of the refrigerator.
- Do not operate the appliance if the power cord is damaged or if the appliance is malfunctioning. Contact customer support for assistance.
- Keep the ventilation openings clear of obstructions to ensure proper airflow and prevent overheating.
- Do not immerse the refrigerator in water or expose it to excessive moisture.
- Avoid placing hot food or liquids directly into the refrigerator without allowing them to cool first.
- Always secure the refrigerator properly in a vehicle to prevent movement during transit, especially on uneven terrain.
- Disconnect the power supply before cleaning or performing any maintenance.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Alpicool 35L Portable Refrigerator NL40
- 110V-240V AC Adapter and Power Cord
- 12V / 24V DC Power Cord
- User Manual (this document)

4. PRODUCT FEATURES AND OVERVIEW

The Alpicool 35L Car Refrigerator is designed for convenience and efficiency, offering a range of features for reliable cooling on the go.

4.1. Rapid Cooling & Energy-Efficient Performance

Equipped with a powerful compressor, this refrigerator offers two modes: MAX for rapid cooling and ECO for energy efficiency. It can cool from 25°C to 0°C in approximately 15 minutes and reach -20°C within an hour, providing quick and effective temperature control.

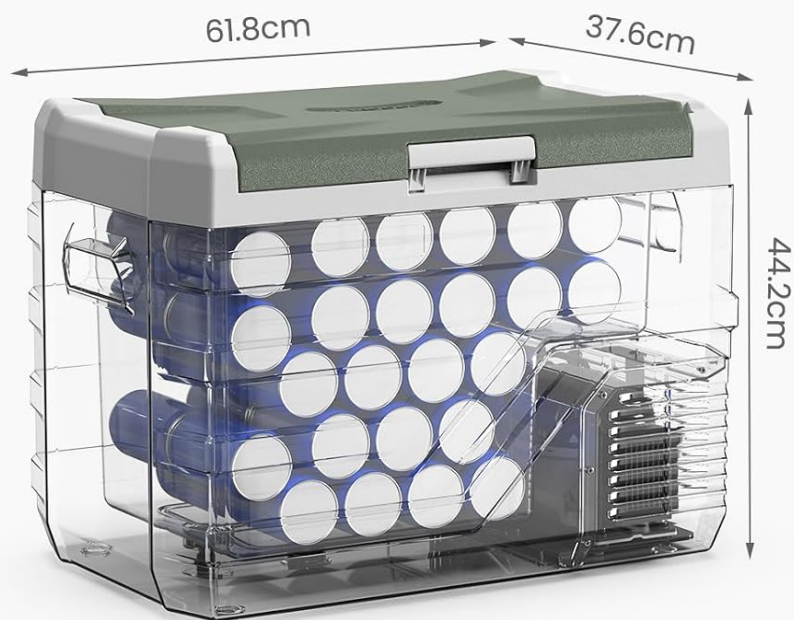


Image: Illustration of the refrigerator's rapid cooling capability, reaching 0°C in 15 minutes and -20°C in 60 minutes from an ambient temperature of 25°C.

4.2. Large Capacity & Portability

With a 35-liter capacity, the refrigerator can hold up to 63 cans (355ml), 48 bottles of water (500ml), or 16 bottles of wine (750ml). Its compact design makes it suitable for SUVs, RVs, campers, trucks, and yachts.

35 Liter
CAPACITY



 **x63**
12FL OZ

 **x48**
16.9FL OZ

 **x16**
25.3FL OZ

Image: Diagram illustrating the 35-liter capacity and external dimensions of the Alpicool car refrigerator, along with examples of how many cans or bottles it can hold.

4.3. Flexible Power Connections

The refrigerator supports both 100-240V AC for home use and 12/24V DC for vehicle use, offering versatile power options. It also features a 3-level battery protection system to prevent draining your vehicle's battery.

TWO METHODS OF POWER SUPPLY



DC 12V/24V
Car Cigarette lighter



AC 110V / 240V
Wall socket



Image: Visual representation of the two power supply methods: DC 12V/24V via car cigarette lighter and AC 110V/240V via wall socket.



Image: The refrigerator placed in the back of an SUV, illustrating the voltage protection feature with High, Medium, and Low battery protection settings.

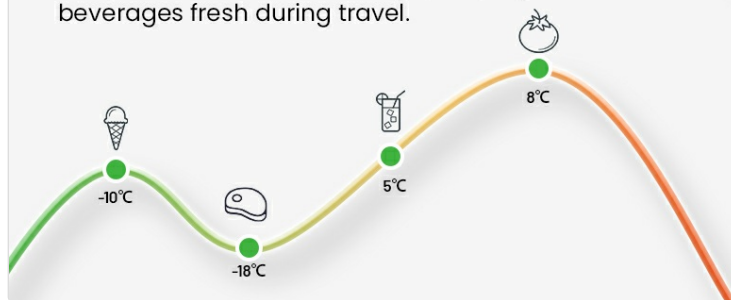
4.4. Low Noise Operation

Operating at only 45 dB, the refrigerator ensures a quiet environment, minimizing disturbance during rest or travel. Its anti-tilt design maintains stability on bumpy roads, even at a 45° incline.

Easy Operation

-20°C~20°C (Adjustable Temperature Range)

It can precisely adjust and maintain the temperature within a set range, keeping food and beverages fresh during travel.



Precise Temperature Control

*LED display

*simple button

Image: A graphic illustrating the low noise level of the refrigerator (less than 45 dB) compared to other common sounds, with a sleeping baby in the background.

4.5. User-Friendly Design

The refrigerator features a reversible door for adaptable opening, built-in interior LED lights for visibility in low light, and a drain hole for easy cleaning. A durable latch and sturdy handle enhance usability and portability.

DETACHABLE 2-WAY LID



Image: Two views of the refrigerator demonstrating the detachable and reversible lid, allowing it to open from either side.

INTERIOR LED LIGHT



Image: Close-up view of the refrigerator's interior, highlighting the built-in LED light illuminating the contents.

4.6. Intuitive Control Panel

The LED HD screen provides real-time temperature display and easy control. It includes a 5V/1A USB charging port for convenience.

EASY TO USE LED HD SCREEN

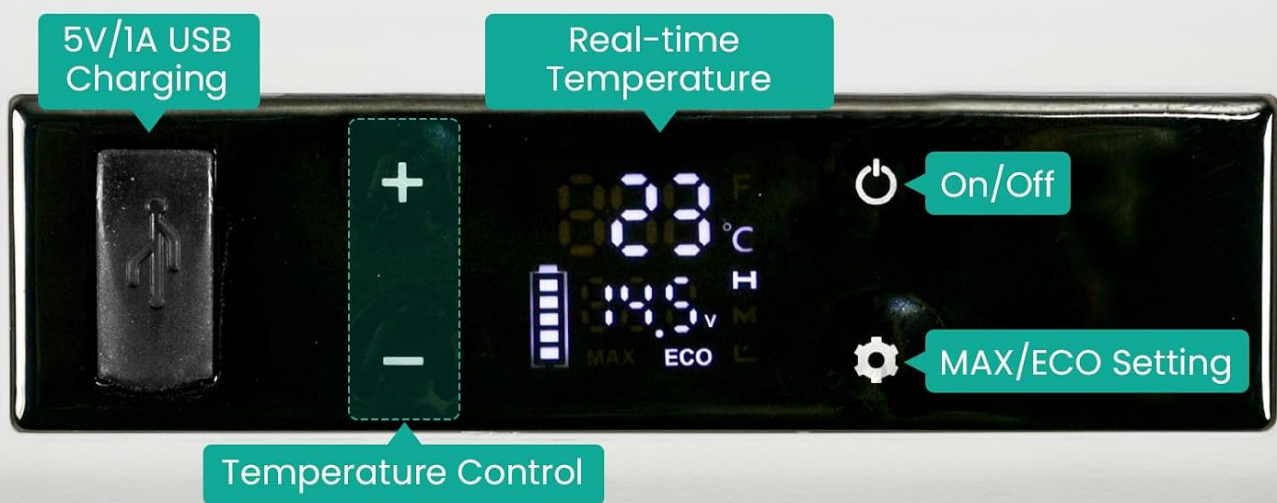


Image: Detailed view of the control panel with LED HD screen, showing temperature display, battery level, USB charging port, temperature controls (+/-), On/Off button, and MAX/ECO setting button.

5. SETUP

5.1. Initial Placement

Place the refrigerator on a flat, stable surface. Ensure there is adequate ventilation around the unit, especially near the compressor and vents. Avoid direct sunlight or heat sources.

5.2. Power Connection

Connect the appropriate power cord (AC for home, DC for vehicle) to the refrigerator's power input port. Then, plug the other end into a suitable power outlet.

- **AC Power (100-240V):** Use the provided AC adapter and power cord for household outlets.
- **DC Power (12V/24V):** Use the provided DC power cord to connect to your vehicle's cigarette lighter socket.

5.3. Battery Protection Setting

The refrigerator has a 3-level battery protection function to prevent your vehicle's battery from being fully discharged. You can select the desired level (High, Medium, Low) based on your vehicle's battery type and usage. Refer to the control panel section for how to adjust this setting.

5.4. Reversible Door Installation (Optional)

The lid can be detached and re-installed to open from the opposite side, adapting to different space constraints. To reverse the door:

1. Open the door to a 45-degree angle.
2. Gently lift and take off the door from one side.
3. Align the door shaft with the compartment hole on the desired opposite side.
4. Insert the door firmly until it clicks into place.

6. OPERATING INSTRUCTIONS

6.1. Power On/Off

Press the **On/Off** button on the control panel to turn the refrigerator on or off.

6.2. Temperature Setting

Use the **+** and **-** buttons to adjust the desired temperature. The temperature range is typically from -20°C to 20°C.

6.3. MAX/ECO Mode Selection

Press the **MAX/ECO Setting** button to switch between cooling modes:

- **MAX Mode:** Provides maximum cooling power for rapid temperature reduction.
- **ECO Mode:** Optimizes energy consumption for longer battery life, suitable for maintaining temperature.

6.4. USB Charging

The integrated 5V/1A USB port can be used to charge small electronic devices when the refrigerator is powered on.

7. MAINTENANCE

7.1. Cleaning

Regular cleaning helps maintain hygiene and efficiency.

- Disconnect the power before cleaning.
- Wipe the interior and exterior surfaces with a damp cloth and mild detergent.
- Use the drain hole at the bottom to remove any accumulated water or spills, making cleaning easier.
- Do not use abrasive cleaners or sharp objects that could damage the surfaces.

7.2. Defrosting

If a significant layer of frost builds up inside, disconnect the power and allow the frost to melt naturally. Wipe away the water with a cloth. Do not use sharp tools to remove ice.

7.3. Storage

When not in use for extended periods, ensure the refrigerator is clean and dry. Store it in a cool, dry place with the lid slightly ajar to prevent odors and mold growth.

8. TROUBLESHOOTING

If you encounter issues with your Alpicool refrigerator, refer to the following common problems and 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/vehicle socket; Inspect and replace fuse if necessary.
Not cooling effectively	Ventilation blocked; Temperature setting too high; Too much hot content inside; Door not sealed properly.	Clear vents; Lower temperature setting; Allow hot items to cool before placing inside; Ensure lid is closed tightly.
Unusual noise	Appliance not level; Items inside rattling; Fan obstruction.	Ensure unit is on a flat surface; Secure contents; Check for debris near fan.
Error code on display	Specific internal issue.	Refer to the full user manual for specific error code meanings or contact customer support.

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

9. SPECIFICATIONS

Key technical specifications for the Alpicool 35L Portable Car Refrigerator (Model NL40):

Specification	Value
Brand	Alpicool
Model	NL40
Capacity	35 Litres
Product Dimensions (L x W x H)	61.8 x 37.6 x 44.2 cm
Item Weight	12.7 kg
Voltage	12 Volts (DC), 100-240 Volts (AC)
Defrost System	Frost Free
Noise Level	45 dB
Annual Energy Consumption	91 Kilowatt Hours Per Year
Energy Efficiency Rating	B
Door Orientation	Reversible

For detailed energy information, please refer to the [EU Energy Label](#).

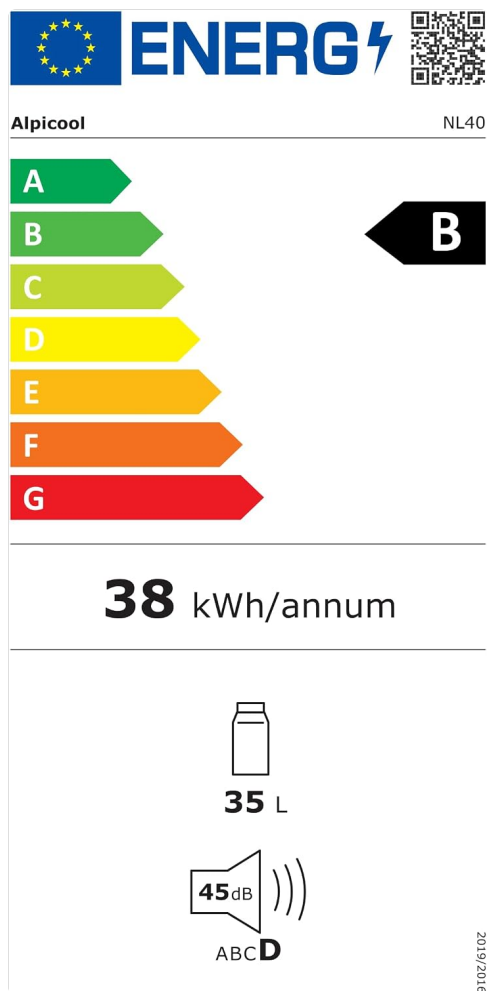


Image: The EU Energy Label for the Alpicool NL40 refrigerator, showing its energy efficiency class B, 38 kWh/annum consumption, 35L capacity, and 45 dB noise level.

Product Information Sheet					
COMMISSION DELEGATED REGULATION (EU) 2019/2016 with regard to energy labelling of refrigerating appliances					
Supplier's name or trade mark: Alpicool					
Supplier's address: Alpicool, No.3#ZhenZhu Road,Yang'e, Lunjiao , Shunde, Foshan, Guangdong,China					
Model identifier: NL40					
Type of refrigerating appliance:					
Low-noise appliance:		No	Design type:	freestanding	
Wine storage appliance:		No	Other refrigerating appliance:	Yes	
General product parameters:					
Parameter		Value	Parameter		Value
Overall dimensions (millimetre)	Height	442	Total volume (dm³ or l)	35	
	Width	618			
	Depth	376			
EEI		50	Energy efficiency class		B
Airborne acoustical noise emissions (dB(A) re 1 pW)		45	Airborne acoustical noise emission class		D
Annual energy consumption (kWh/a)		38	Climate class:		extended temperate, temperate, subtropical, tropical
Minimum ambient temperature (°C), for which the refrigerating appliance is suitable		10	Maximum ambient temperature (°C), for which the refrigerating appliance is suitable		43
Winter setting		No			
Compartment Parameters:					
	Compartment parameters and values				
	Compartment type	Compartment Volume (dm³ or l)	Recommended temperature setting for optimised food storage (°C) These settings shall not con-	Freezing capacity (kg/24h)	Defrosting type (auto-defrost=A, manual defrost=M)

		tradict the storage conditions set out in Annex IV, Table 3			
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Pantry	Yes	35,0	17	-	M
Wine storage	No	-	-	-	-
Cellar	No	-	-	-	-
Fresh food	No	-	-	-	-
Chill	No	-	-	-	-
0-star or ice-making	No	-	-	-	-
1-star	No	-	-	-	-
2-star	No	-	-	-	-
3-star	No	-	-	-	-
4-star	No	-	-	-	-
2-star section	No	-	-	-	-
Variable temperature compartment	-	-	-	-	-

Light source parameters:

Type of light source	-
Energy efficiency class	-

Minimum duration of the guarantee offered by the manufacturer: 12 months

Additional information:

Weblink to the supplier's website, where the information in point 4 of Annex II of Commission Regulation (EU) 2019/2019 is found: www.alpicool.com

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Image: The full Product Information Sheet providing comprehensive technical details and compliance information for the Alpicool NL40 refrigerator.

10. WARRANTY AND SUPPORT

Alpicool products are manufactured to high-quality standards. This product comes with a warranty of up to 3 years, as per the manufacturer's terms and conditions.

- **Warranty Service:** Up to 3-year warranty. Please retain your proof of purchase for warranty claims.
- **Customer Service:** For any questions, technical support, or warranty inquiries, please contact Alpicool customer service. Refer to the contact information provided with your purchase or visit the official Alpicool website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question