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› Alpicool Y16T 15L Portable Compressor Refrigerator User Manual

Alpicool Y16T

Alpicool Y16T Portable Refrigerator/Freezer User Manual

Model: Y16T

1. INTRODUCTION

Thank you for choosing the Alpicool Y16T Portable Refrigerator/Freezer. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new appliance. Please read this manual thoroughly before use and keep it for future reference.



Image 1.1: The Alpicool Y16T portable refrigerator/freezer, shown with its included 12V DC and AC power adapters.

2. IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of fire, electric shock, or injury when using your refrigerator, follow these basic precautions:

- Read all instructions before using the appliance.
- Do not operate the refrigerator if the power cord is damaged.
- Ensure proper ventilation around the unit. Do not block ventilation openings.
- Do not use electrical appliances inside the storage compartment unless they are of the type recommended by the manufacturer.
- Do not immerse the refrigerator in water or other liquids.

- Keep the appliance away from heat sources and direct sunlight.
- Always disconnect the power supply before cleaning or performing maintenance.
- 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.

3. PRODUCT FEATURES AND COMPONENTS

Familiarize yourself with the various parts of your Alpicool Y16T refrigerator:



Removable Door



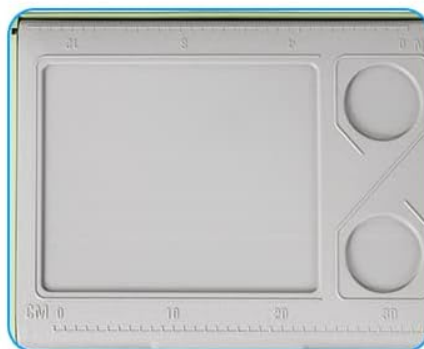
Door Latch



Storage Room



Built-In Handle



Functional Top



DC 12/24V Input

Image 3.1: Key components of the Alpicool Y16T, including the removable door, secure latch, internal storage, integrated handle, control panel on the top, and the DC power input.

- **Removable Door:** For easy cleaning and access.

- **Door Latch:** Secures the lid during transport.
- **Storage Room:** The main insulated compartment.
- **Built-in Handle:** Ergonomic handle for portability.
- **Functional Top:** Houses the control panel and display.
- **DC 12V/24V Input:** For vehicle power connection.

KEEP FOOD FRESH ALL WAY

Adjustable temperature: -20°C~20°C, nothing gets wet or soggy



10°C :

Fruit and vegetable



0°C : Drink



-17°C:

Ice Cream



-20°C:

Meat

* Date based on 25°C ambient temperature and empty box conditions

ECO 45w
ENERGY SAVING

Far less than
1kwh per day



MAX 60w
FAST COOLING



15 min from 20°C to 0°C

Image 3.2: The digital control panel, allowing temperature adjustments and mode selection.

4. SETUP AND INSTALLATION

4.1 Unpacking

Carefully remove the refrigerator from its packaging. Inspect for any damage during transit. Keep packaging materials for future storage or transport.

4.2 Placement

Place the refrigerator on a flat, stable surface. Ensure there is adequate ventilation around the unit (at least 10 cm clearance on all sides) to allow for proper heat dissipation. Avoid placing it in direct sunlight or near heat sources.

4.3 Power Connection

The Alpicool Y16T supports multiple power supply modes:

- **12V/24V DC:** Connect the DC power cord to your vehicle's cigarette lighter socket (12V for cars, 24V for trucks).
- **100-240V AC:** Use the provided AC adapter to connect to a standard household power outlet.
- **Portable Power Station/Solar Panel:** Can be powered by compatible portable power stations or solar panels (ensure output voltage and current match the refrigerator's requirements).

Produktdatenblatt				
DELEGIERTE VERORDNUNG (EU) 2019/2016 DER KOMMISSION zur Energieverbrauchskennzeichnung von Kühlgeräten				
Name oder Handelsmarke des Lieferanten: Alpicool				
Anschrift des Lieferanten: Alpicool, No.3#ZhenZhu Road,Yang'e, Lunjiao , Shunde, Foshan, Guangdong,China				
Modellkennung: Y16				
Art des Kühlgeräts:				
Geräuscharmes Gerät:		Nein	Bauart:	freistehend
Weinlagerschrank:		Nein	Anderes Kühlgerät:	Ja
Allgemeine Produktparameter:				
Parameter		Wert	Parameter	Wert
Gesamtabmessungen (in Millimeter)	Höhe	260	Gesamtrauminhalt (in dm³ oder l)	15
	Breite	598		
	Tiefe	320		
EEI		46	Energieeffizienzklasse	B
Luftschallemissionen (in dB(A) re 1 pW)		45	Luftschallemissionsklasse	D
Jährlicher Energieverbrauch (in kWh/a)		35	Klimaklasse:	gemäßigte Zone, subtropische Zone, tropische Zone
Mindestumgebungstemperatur (in °C), für die das Kühlgerät geeignet ist		16	Höchstumgebungstemperatur (in °C), für die das Kühlgerät geeignet ist	43
Winterschaltung		Nein		
Fachparameter:				
Fachtyp	Fachparameter und #werte			
	Rauminhalt des Fachs (in dm³ oder l)	Empfohlene Temperatureinstellung für eine optimierte Lebensmittellagerung (in °C) Diese Einstellungen dürfen nicht im Widerspruch zu den Lagerbedingungen nach	Gefrierermögen (in kg/24h)	Defrosting type (auto-defrost=A, manual defrost=M)

			Anhang IV Tabelle 3 stehen		
Speisekammerfach	Ja	15,0	17	-	M
Weinlagerfach	Nein	-	-	-	-
Kellerfach	Nein	-	-	-	-
Lagerfach für frische Lebensmittel	Nein	-	-	-	-
Kaltlagerfach	Nein	-	-	-	-
Null-Sterne- oder Eisbereiterfach	Nein	-	-	-	-
Ein-Stern-Fach	Nein	-	-	-	-
Zwei-Sterne-Fach	Nein	-	-	-	-
Drei-Sterne-Fach	Nein	-	-	-	-
Vier-Sterne-Fach	Nein	-	-	-	-
Zwei-Sterne-Abteil	Nein	-	-	-	-
Fach mit variabler Temperatur	-	-	-	-	-
Lichtquellenparameter:					
Art der Lichtquelle			-		
Energieeffizienzklasse			-		
Mindestlaufzeit der vom Hersteller angebotenen Garantie: 12 Monate					
Weitere Angaben:					
Weblink zur Website des Herstellers, auf der die Informationen gemäß Nummer 4 Buchstabe a des Anhangs der Verordnung (EU) 2019/2019 der Kommission zu finden sind: https://www.alpicool.com/					

Image 4.1: Illustration of the versatile power supply options for the Alpicool Y16T, including vehicle, home, and portable power sources.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press the power button on the control panel to turn the unit on or off. The display will illuminate when the unit is on.

5.2 Temperature Control

Use the '+' and '-' buttons on the control panel to set the desired temperature. The temperature range is from -20°C to +20°C. The display will show the current internal temperature.



3 LEVEL BATTERY PROTECTION

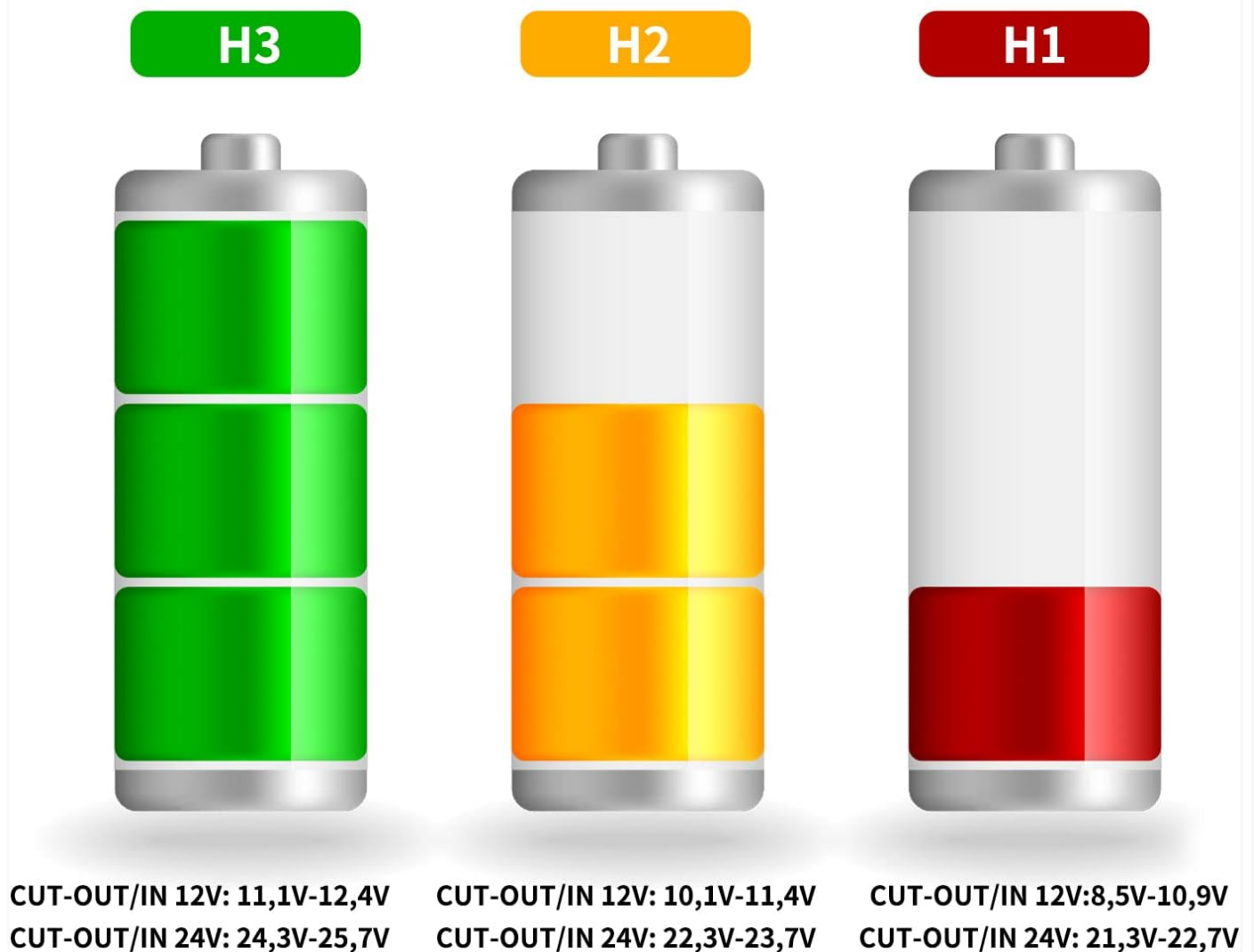


Image 5.1: This infographic details the optimal temperature settings for different food items, the energy-saving ECO mode, the fast-cooling MAX mode, and the battery protection levels.

5.3 MAX/ECO Mode

The refrigerator offers two operating modes:

- **MAX Mode:** Provides maximum cooling power for rapid temperature reduction. Ideal for initial cooling.
- **ECO Mode:** Energy-saving mode, consuming less power. Suitable for maintaining temperature once the desired level is reached.

Switch between modes by pressing the 'SET' button (refer to Image 3.2 for control panel layout).

5.4 Battery Protection Settings

The unit features a 3-level battery protection system to prevent your vehicle's battery from draining:

- **H1 (Low):** Least sensitive, allows the battery to discharge more before cutting off.
- **H2 (Medium):** Moderate sensitivity.
- **H3 (High):** Most sensitive, cuts off power sooner to protect the battery. Recommended for most vehicle applications.

Adjust the battery protection level by pressing and holding the 'SET' button until the display flashes, then use '+' or '-' to select H1, H2, or H3. The unit will automatically cut off power if the input voltage drops below the selected level.

6. MAINTENANCE

6.1 Cleaning

- Always disconnect power before cleaning.
- Clean the interior and exterior with a damp cloth and mild detergent. Do not use abrasive cleaners or solvents.
- Ensure the unit is completely dry before reconnecting power.
- Regularly clean the ventilation grilles to ensure proper airflow.

6.2 Defrosting

If a thick layer of ice forms inside, manually defrost the unit. Turn off the refrigerator, remove contents, and leave the lid open until the ice melts. Wipe away excess water with a clean cloth.

6.3 Storage

When not in use for extended periods, clean the unit thoroughly, leave the lid slightly ajar to prevent odors, and store it in a dry, well-ventilated area.

7. TROUBLESHOOTING GUIDE

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

Problem	Possible Cause	Solution
Refrigerator not turning on	No power supply; Damaged power cord; Blown fuse in vehicle.	Check power connection; Replace power cord; Check/replace vehicle fuse.
Poor cooling performance	Insufficient ventilation; Door not closed properly; Too much content; High ambient temperature.	Ensure proper clearance; Close door tightly; Do not overfill; Move to cooler environment if possible.
Display shows error code	Specific internal fault.	Refer to the specific error code in the full manual (if available) or contact customer support.
Unit making unusual noise	Unit not level; Fan obstruction.	Place on a level surface; Check for obstructions around the fan.

8. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Alpicool
Model Number	Y16T
Capacity	15 Liters
Dimensions (L x W x H)	59.8 x 32 x 26 cm
Weight	8.4 Kilograms
Voltage	12 Volts (DC), 24 Volts (DC)
Defrost System	Manual
Energy Efficiency Rating	B
Noise Level	45 dB

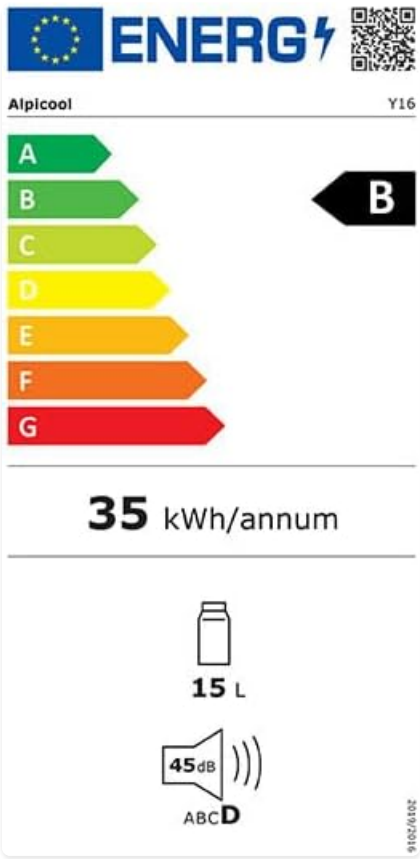


Image 8.1: The energy efficiency label for the Alpicool Y16T, indicating its energy consumption and noise level.

9. WARRANTY AND CUSTOMER SUPPORT

Alpicool products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including the warranty period.

For technical assistance, troubleshooting beyond this guide, or warranty claims, please contact Alpicool customer support through the retailer where you purchased the product or visit the official Alpicool website for contact information.

Please have your model number (Y16T) and purchase date ready when contacting support.

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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