

SMETA SMETA-12V220V-40L

SMETA 40L 12V/220V Absorption Refrigerator Instruction Manual

Model: SMETA-12V220V-40L

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your SMETA 40L 12V/220V Absorption Refrigerator. Please read these instructions thoroughly before using the appliance and retain them for future reference.

This absorption refrigerator is designed for versatile use in various environments, including RVs, campers, trucks, yachts, travel, hotels, offices, and small living spaces. Its silent operation and dual power capability make it suitable for locations where noise and flexible power options are important.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in fire, electric shock, or injury.

- Ensure the refrigerator is placed on a stable, level surface to prevent tipping and ensure proper operation of the absorption system.
- Maintain adequate ventilation around the appliance. Do not block ventilation openings. Insufficient airflow can impair cooling performance and lead to overheating.
- Connect the refrigerator only to appropriate power sources (12V DC or 220V-240V AC) as indicated on the product label.
- Do not operate the appliance if the power cord is damaged. Contact qualified service personnel for repair.
- Keep flammable materials away from the refrigerator.
- This appliance uses natural refrigerants and is freon-free.
- For detailed safety information, refer to the [Safety Information PDF](#).

3. PRODUCT OVERVIEW

The SMETA 40L Absorption Refrigerator is designed for quiet and efficient cooling. Key features include:

- **Absorption Cooling System:** Operates silently with no moving parts, making it ideal for bedrooms, offices, and quiet environments.
- **Dual Power Supply:** Compatible with 12V DC for vehicles and 220V-240V AC for standard outlets.
- **40 Liter Capacity:** Provides ample space for beverages and snacks.
- **Reversible Door:** Allows for flexible placement by changing the door's opening direction from left to right or vice versa.
- **Integrated Lock:** Equipped with a built-in door lock and two keys for securing contents.
- **Removable Shelves:** Adjustable and removable shelves for customized storage.
- **Adjustable Thermostat:** For setting the desired internal temperature.



Image: The SMETA 40L refrigerator operates silently, making it suitable for quiet environments like bedrooms.



Image: The refrigerator features a built-in door lock and two keys for securing contents.

REVERSIBLE DOOR

Reversible Door that can Open from Left or Right



Image: The reversible door allows for flexible installation and access.



Image: Removable shelves provide flexible storage options.

4. SETUP

4.1 Unpacking

Carefully remove the refrigerator from its packaging. Inspect for any shipping damage. Report any damage to your retailer immediately.

4.2 Placement and Ventilation

For optimal performance and safety, observe the following placement guidelines:

- Place the refrigerator on a firm, level surface.
- Ensure adequate clearance around the unit, especially at the back and top, for proper air circulation. A minimum of 1 inch (2.5 cm) clearance on all sides is recommended for built-in installations.
- Avoid direct sunlight or heat sources, as this can reduce cooling efficiency.



1. Minibar must stand on a level surface.

2. Air must be freely circulated through the cooling system.

3. A chimney effect is created in the back. Cold air enters the fridge at the base, passes through the cooling system, and warm air rises and escapes.

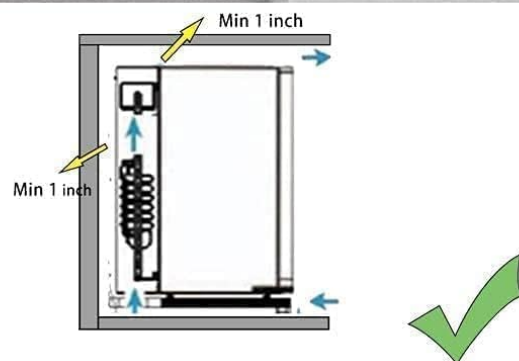


Image: Proper ventilation is crucial for the refrigerator's cooling system. Ensure at least 1 inch of space around the unit.

4.3 Power Connection

The refrigerator can be powered by two different sources:

- **AC Power (220V-240V):** Use the provided AC power cord to connect the refrigerator to a standard wall outlet.
- **DC Power (12V):** Use the provided DC power cord to connect the refrigerator to a 12V vehicle power socket (e.g., cigarette lighter outlet).

IMPORTANT: Do not connect to both AC and DC power simultaneously.



Image: The refrigerator includes adapters for both 12V DC and 220V AC power sources.

4.4 Reversible Door Installation

The door hinge can be reversed to open from either the left or right side. Refer to the detailed instructions in the separate [Safety Information PDF](#) document for the procedure to reverse the door.

5. OPERATING INSTRUCTIONS

5.1 Initial Operation

1. After connecting to power, allow the refrigerator to run for at least 2-3 hours empty to reach its stable operating temperature.
2. The internal temperature range is approximately 0°C to 10°C.

5.2 Temperature Control

The refrigerator is equipped with an adjustable thermostat. Rotate the thermostat dial inside the unit to set the desired cooling level. Higher settings typically result in colder temperatures.

5.3 Loading Contents

- Avoid overloading the refrigerator, as this can hinder air circulation and cooling efficiency.
- Ensure items do not block the internal air vents.
- Use the removable shelves to organize contents efficiently.

5.4 Door Lock Usage

To lock the door, insert the key into the lock mechanism located on the lower front of the door and turn. This feature helps secure contents, especially during travel or in shared spaces.

6. MAINTENANCE

6.1 Cleaning

- Always unplug the refrigerator before cleaning.
- Clean the interior with a soft cloth and a mild detergent solution. Rinse with clean water and dry thoroughly.
- Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Periodically clean the rear cooling unit area to remove dust and debris, ensuring proper ventilation.

6.2 Defrosting

This refrigerator features a "No Frost" system, minimizing ice buildup. However, if any ice accumulates, unplug the unit and allow it to defrost naturally. Wipe away melted water with a clean cloth.

6.3 Extended Storage

If the refrigerator will not be used for an extended period, unplug it, clean it thoroughly, and leave the door slightly ajar to prevent odors and mold growth.

7. TROUBLESHOOTING

Before contacting customer service, review the following common issues and solutions:

Problem	Possible Cause	Solution
Refrigerator does not cool.	No power, thermostat set too high, poor ventilation, door not closed properly.	Check power connection. Adjust thermostat. Ensure adequate ventilation. Close door completely.
Unit is not silent.	Unstable surface, items rattling inside.	Ensure unit is on a level surface. Arrange contents to prevent rattling.
Excessive ice buildup.	Door left open frequently, high humidity.	Ensure door is closed properly. Defrost the unit if necessary.

If the problem persists after checking these points, please contact SMETA customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	SMETA-12V220V-40L
Capacity	40 Liters
Dimensions (D x W x H)	40 cm x 45 cm x 55 cm
Power Supply	AC 220V-240V, DC 12V
Temperature Range	0°C ~ 10°C
Cooling Method	Absorption
Defrost System	No Frost
Door Type	Reversible
Lock Type	Key Lock
Refrigerant	Natural, Freon-free
Certifications	CE



Capacity 330ML
Canned drinks*28cans

Image: Product dimensions for the 40L model.

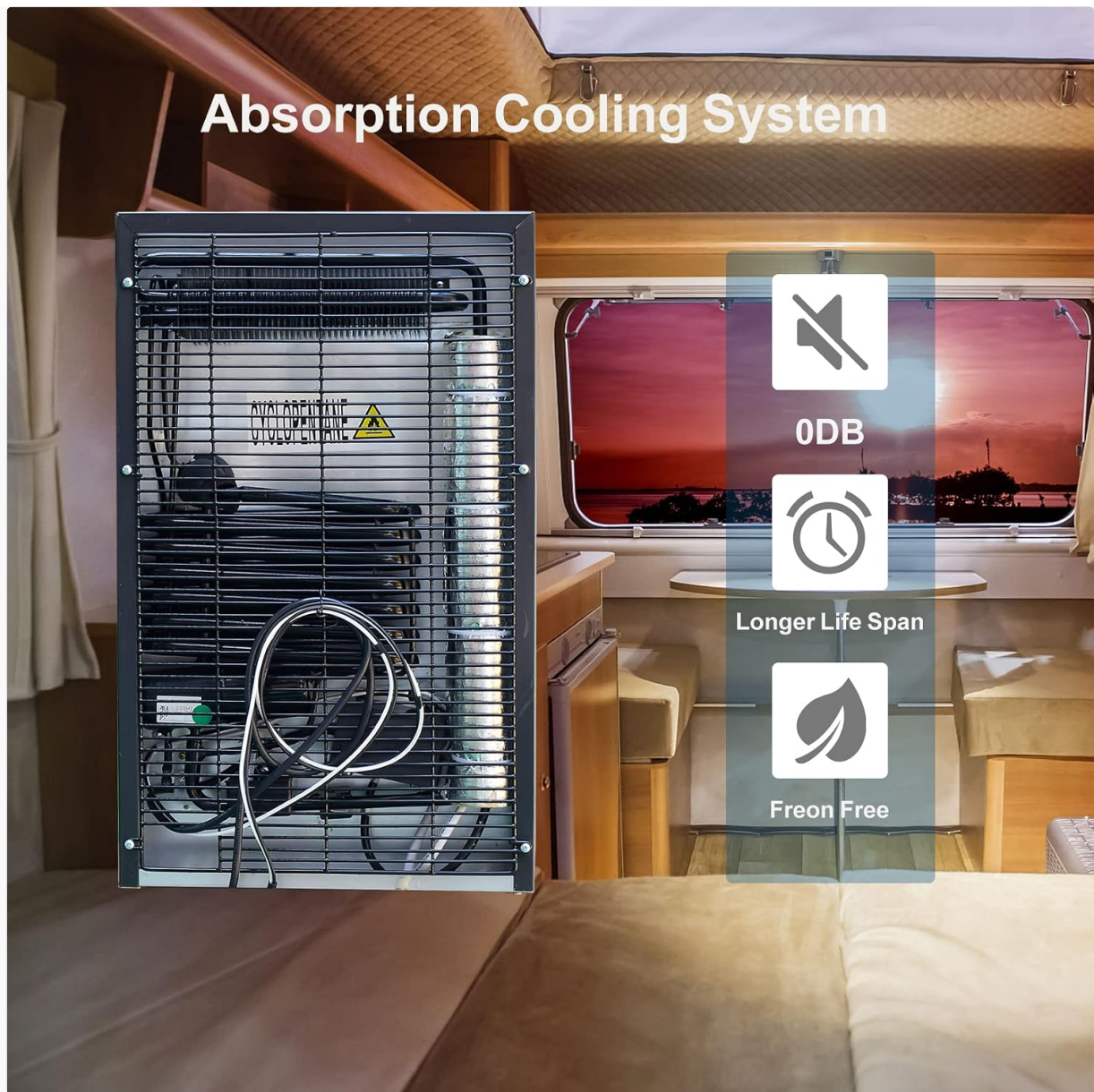


Image: Rear view illustrating the absorption cooling system.



Image: Detailed diagram of the absorption cooling system.

9. WARRANTY AND SUPPORT

SMETA products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official SMETA website. Please have your model number (SMETA-12V220V-40L) and purchase date available when contacting support.

For additional resources, you may refer to the [Safety Information PDF](#).