

Indel B TB31A

Indel B TB31A Portable Compressor Refrigerator User Manual

Model: **TB31A** | Brand: **Indel B**

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Indel B TB31A portable compressor refrigerator. Please read these instructions carefully before using the appliance and retain them for future reference. This refrigerator is designed for cooling and freezing food and beverages in various mobile environments.

The Indel B TB31A is a versatile portable refrigerator with a 29-liter capacity, featuring a highly efficient SECOP compressor. It is capable of operating on multiple power sources, including DC 12-24V and AC 115-230V, making it suitable for use in vehicles such as boats, vans, caravans, cars, and trucks.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the appliance:

- Ensure the power supply voltage matches the appliance's requirements (DC 12-24V or AC 115-230V).
- Do not operate the refrigerator if the power cord is damaged.
- Avoid placing the appliance in direct sunlight or near heat sources.
- Ensure adequate ventilation around the unit, especially the compressor area.
- Do not use electrical devices inside the refrigerator.
- Keep the appliance away from flammable materials.
- Always disconnect the power supply before cleaning or 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

- **Efficient Compressor:** Equipped with a quiet and efficient SECOP BD35F compressor.

- **Dual Power Input:** Operates on DC 12-24V and AC 115-230V (50-60Hz).
- **Adjustable Temperature:** Temperature range from +10°C to -18°C, enabling both refrigeration and freezing.
- **Digital Display:** Multi-function thermostat with digital display for easy temperature control and reduced power consumption.
- **Internal Light:** Features an internal LED light for convenience.
- **Portable Design:** Suitable for various mobile applications including boats, vans, caravans, cars, and trucks.
- **Capacity:** 29 liters.

4. COMPONENTS AND CONTROLS

Familiarize yourself with the main components and control panel of your Indel B TB31A refrigerator.



Figure 4.1: Closed view of the Indel B TB31A portable compressor refrigerator. This image shows the compact and robust exterior design of the unit when closed.



Figure 4.2: Interior view of the Indel B TB31A with the lid open. This image illustrates the spacious 29-liter capacity, suitable for storing various food and beverage items.



Figure 4.3: External dimensions of the Indel B TB31A portable compressor refrigerator. The image highlights the measurements: 58.5 cm length, 35 cm width, and 38 cm height.

4.1. Control Panel

The control panel is located on the front of the unit and typically includes:

- **Digital Display:** Shows the current temperature and settings.
- **Temperature Adjustment Buttons:** Used to increase or decrease the desired temperature.
- **Power Button:** To turn the unit on or off.
- **Mode Button:** To select different operating modes (if applicable).

4.2. Power Inputs

The refrigerator features dual power inputs for maximum flexibility:

- **DC Input:** For 12V or 24V vehicle power sockets (e.g., cigarette lighter).
- **AC Input:** For 115-230V household power outlets.

5. SETUP

1. **Unpacking:** Carefully remove the refrigerator from its packaging. Ensure all components are present, including the refrigerator unit and power cables. The product package includes the refrigerator unit.
2. **Placement:** Place the refrigerator on a flat, stable surface. Ensure there is sufficient space around the unit for proper ventilation (at least 10 cm on all sides, especially around the compressor vents). Avoid placing it near direct heat sources or in direct sunlight.
3. **Power Connection:**
 - **For DC (12V/24V) Operation:** Connect the DC power cable to the refrigerator's DC input port, then plug the other end into your vehicle's 12V or 24V power outlet.
 - **For AC (115-230V) Operation:** Connect the AC power cable to the refrigerator's AC input port, then plug the other end into a standard 115-230V wall outlet.

Note: The refrigerator automatically detects the input voltage.

4. **Initial Cleaning:** Before first use, wipe the interior and exterior of the refrigerator with a damp cloth and mild detergent. Dry thoroughly.

6. OPERATION

6.1. Turning On/Off

Press the Power button on the control panel to turn the refrigerator on. The digital display will illuminate, showing the current internal temperature. Press the Power button again to turn the unit off.

6.2. Setting the Temperature

Use the temperature adjustment buttons (usually '+' and '-') on the control panel to set your desired temperature. The temperature range is from +10°C (for cooling) down to -18°C (for freezing). The display will show the set temperature briefly, then revert to showing the actual internal temperature.

6.3. Power Consumption Modes

The refrigerator is designed for energy efficiency. The SECOP compressor adjusts its operation to maintain the set temperature with minimal power consumption. Refer to the specifications for detailed consumption rates.

6.4. Battery Protection System

The unit may feature a battery protection system to prevent excessive discharge of your vehicle's battery. This system typically has multiple settings (e.g., High, Medium, Low) that determine the cut-off voltage. Consult the specific product documentation or control panel instructions for details on adjusting this setting, if available.

7. MAINTENANCE

7.1. Cleaning

- **Interior:** Clean the interior regularly with a soft cloth dampened with warm water and a mild, non-abrasive detergent. Do not use harsh chemicals or abrasive cleaners.
- **Exterior:** Wipe the exterior surfaces with a damp cloth.
- **Condenser/Ventilation Grilles:** Periodically clean the condenser and ventilation grilles with a soft brush or vacuum cleaner to remove dust and debris. This ensures efficient operation.
- Always ensure the unit is disconnected from power before cleaning.
- Do not immerse the unit in water or spray water directly onto it.

7.2. Defrosting

The refrigerator features an automatic defrost system. However, if a significant layer of ice builds up, manually defrost the unit by turning it off and leaving the lid open until the ice melts. Remove melted water with a cloth.

7.3. Storage

When storing the refrigerator for extended periods, ensure it is clean and dry. Leave the lid slightly ajar to prevent odors and mold growth. Store in a dry, well-ventilated area.

8. TROUBLESHOOTING

If you experience issues with your refrigerator, consult the table below for common problems and solutions.

Problem	Possible Cause	Solution
Refrigerator does not turn on.	No power supply; damaged cable; faulty power outlet; battery protection activated.	Check power connections and outlet. Inspect power cable for damage. If using DC, check vehicle battery voltage and battery protection setting.
Refrigerator is not cooling sufficiently.	Lid not closed properly; insufficient ventilation; ambient temperature too high; too much warm content loaded; faulty thermostat.	Ensure lid is securely closed. Clear ventilation grilles. Move unit to a cooler area. Allow warm contents to cool before placing in fridge. Contact support if thermostat is suspected.
Unusual noise from the compressor.	Unit not level; fan obstruction; normal compressor operation.	Ensure the unit is on a flat surface. Check for obstructions around the fan. A slight hum from the compressor is normal.
Digital display not working.	Power issue; display malfunction.	Check power supply. If power is present, contact customer support.

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

9. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model	TB31A
Manufacturer	Indel B
Capacity	29 Liters
Voltage	DC 12-24V, AC 115-230V (50-60Hz)
Wattage	55 Watts
Compressor	SECOP BD35F
Temperature Range	+10°C to -18°C
Product Dimensions (L x W x H)	58.5 x 35 x 38 cm
Product Weight	16 kg
Defrost System	Automatic
Certifications	CE, EMC, E-Mark, GS, CB
Internal Light	Yes
Optional Accessories	Transport handles, Mounting Kit

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official Indel B website. Keep your proof of purchase for warranty claims.

If you require technical assistance or have questions not covered in this manual, please contact Indel B customer service directly. Contact details can typically be found on the manufacturer's website or on the product packaging.