

VEVOR ZC13000

VEVOR Electric Winch ZC13000 13500 lbs User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, installation, and maintenance of your VEVOR Electric Winch ZC13000. This 13500 lbs capacity electric winch is designed for vehicle recovery and towing applications, featuring a synthetic rope, wireless and wired remote controls, and IP67 waterproof rating.



The VEVOR Electric Winch ZC13000, including the winch unit, synthetic rope, wired remote, and wireless remote.

2. SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this winch. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- Always wear heavy-duty gloves when handling the winch rope.
- Never operate the winch with frayed, kinked, or damaged rope. Inspect the rope before each use.
- Ensure the vehicle's engine is running during winching operations to maintain battery power.
- Keep hands and clothing clear of the rope, fairlead, and drum during operation.
- Do not exceed the rated line pull capacity of the winch.
- Always use a tree saver strap or anchor point that can withstand the pulling force.
- Stand clear of the winch rope and vehicle during winching. Use the remote control from a safe distance.
- Do not use the winch for lifting people or as a hoist.
- Disengage the clutch when free-spooling the rope. Ensure the clutch is fully engaged before winching.
- After winching, ensure the rope is neatly spooled onto the drum under light tension.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking. If any items are missing or damaged, contact VEVOR customer support.

- 1 x Electric Winch Unit (ZC13000)
- 1 x 3/8 inch Clevis Hook
- 1 x Control Box (with cable set)
- 1 x Fairlead
- 1 x Negative Power Cable (1.8 m)
- 1 x Pack of Mounting Bolts
- 1 x Red Strap
- 1 x User Manual
- 1 x Wired Remote Control
- 1 x Wireless Remote Control
- 2 x Mounting Hooks



Item Model Number: **ZC13000**

Rated Line Pull: **13500 lbs / 6100 kg**

Control Modes: **Wireless & Wired Remote Control**

Rope Specification: **Synthetic Rope**

Diameter: **Φ3/8 in / 9.5 mm**; Length: **92 ft / 28 m**

Motor Specification: **12V DC, 7.2 HP Pure Copper Motor**

Gear Ratio: **218.4:1**

Main Materials: **Aluminum Alloy, Steel, Plastic**

IP Rating: **IP67**

Net Weight: **54.2 lbs / 24.6 kg**

Item Dimensions:

21.3 × 6.7 × 10.6 in / 540 × 170 × 270 mm
(with Control Box)

Accessories:

1 x User Manual

1 x Control Box

(with cable set)

1 x Wireless Remote

1 x Wired Remote

1 x Fairlead

1 × 3/8 Clevis Hook

1 x Negative Power
Cable (1.8 m)

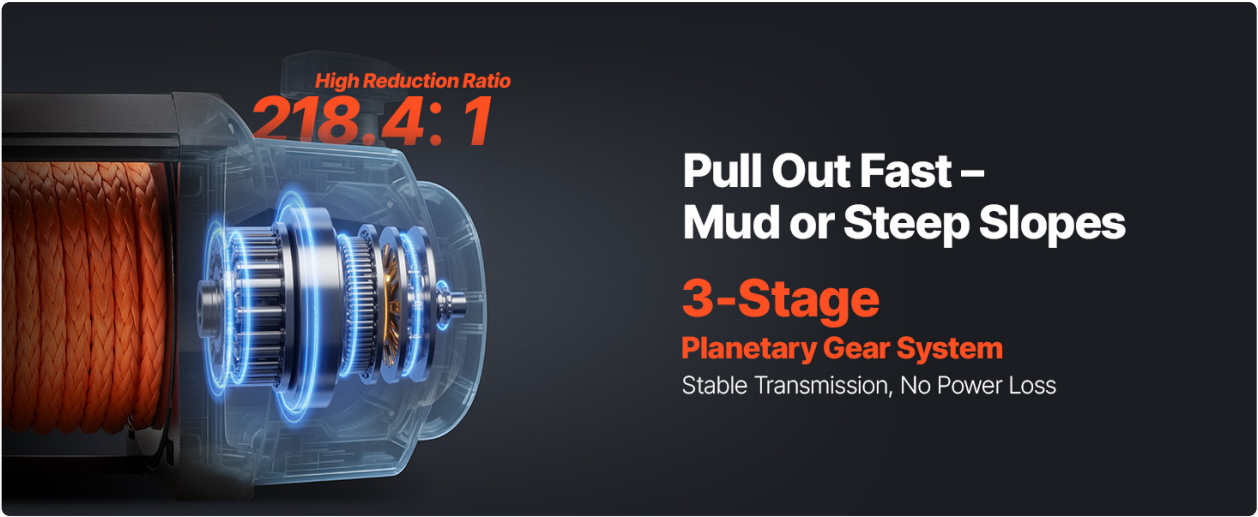
1 x Pack of Mounting Bolts

Overview of the winch dimensions and included accessories for installation.

4. SPECIFICATIONS

Feature	Specification
Model Number	ZC13000
Rated Line Pull	13500 lbs (6100 kg)
Motor Specification	12V DC, 7.2 HP Pure Copper Motor

Feature	Specification
Gear Ratio	218.4:1 (3-stage planetary gear)
Rope Type	Synthetic Rope (UHMW-PE 12-strand braided)
Rope Dimensions	Diameter: $\Phi 3/8$ in (9.5 mm), Length: 92 ft (28 m)
Control Modes	Wireless & Wired Remote Control
IP Rating	IP67 (Dust and Water-resistant)
Main Materials	Aluminum Alloy, Steel, Plastic
Item Weight	54.2 lbs (24.6 kg)
Product Dimensions	21.26 x 6.69 x 7.68 inches (540 x 170 x 270 mm)
Mounting Hole Spacing	10 in / 254 mm (Hole Spacing 1), 4.5 in / 114.3 mm (Hole Spacing 2)



The 7.2 HP copper motor and 3-stage planetary gear system provide sustained pulling power.

5. SETUP AND INSTALLATION

5.1 Mounting the Winch

The winch should be mounted on a flat, rigid surface capable of supporting the full rated line pull. Use the provided mounting bolts and ensure they are securely tightened. Refer to the specifications for mounting hole dimensions.

1. Choose a suitable mounting location on your vehicle's bumper or winch plate.
2. Align the winch with the pre-drilled holes or mark new holes according to the winch's mounting pattern.
3. Drill holes if necessary, ensuring they are of the correct diameter for the mounting bolts.
4. Secure the winch using the provided hardware, ensuring all bolts are tightened to the manufacturer's specifications.

5.2 Electrical Wiring

Proper electrical connection is crucial for safe operation. Ensure the vehicle's battery is disconnected before

beginning wiring.

1. Mount the control box in a secure location, away from heat and moving parts.
2. Connect the thick red power cable from the control box to the positive (+) terminal of the vehicle's 12V battery.
3. Connect the thick black power cable from the control box to the negative (-) terminal of the vehicle's battery or a suitable chassis ground point.
4. Connect the motor cables from the winch to the corresponding terminals on the control box (usually color-coded).
5. Ensure all connections are tight and protected from corrosion and abrasion.

6. OPERATING INSTRUCTIONS

6.1 Clutch Operation

The clutch allows for free-spooling of the rope, which is useful for quickly extending the rope to an anchor point.

- To **disengage** the clutch for free-spooling, rotate the clutch lever to the "FREE SPOOL" or "OUT" position.
- To **engage** the clutch for winching, rotate the clutch lever to the "ENGAGE" or "IN" position. Ensure it is fully engaged before applying power.

6.2 Remote Control Usage

The winch can be operated using either the wired or wireless remote control.

- **Wired Remote:** Connect the wired remote to the control box. Use the "IN" button to retract the rope and the "OUT" button to extend the rope.
- **Wireless Remote:** Ensure the wireless remote has fresh batteries. Press the appropriate buttons to control rope retraction ("IN") and extension ("OUT"). The wireless remote offers a range of up to 59 ft (18 m).

Get Unstuck Fast

13,500 lb Pulling Force

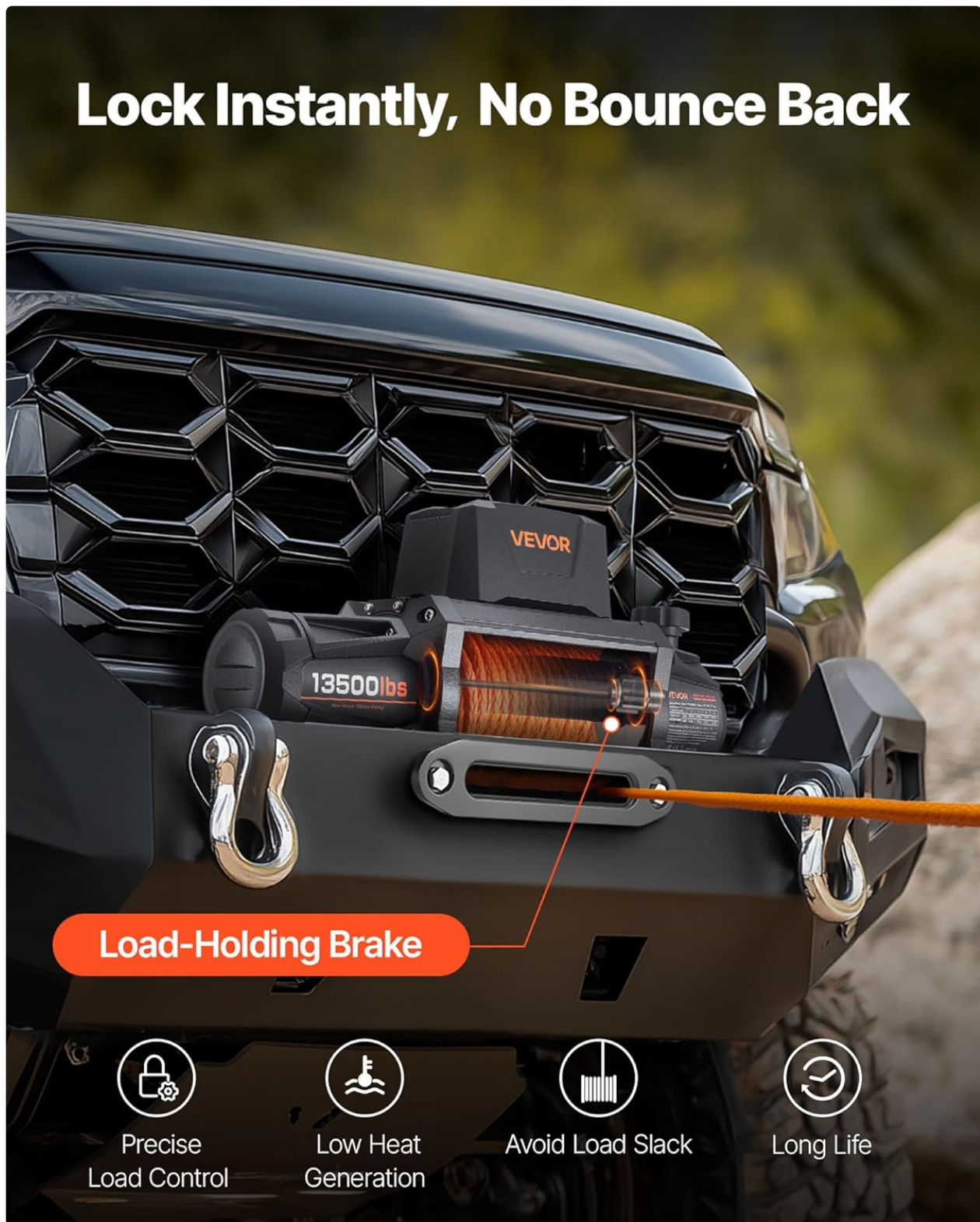


The winch in operation, demonstrating its capability to recover a vehicle from challenging terrain.

6.3 Winching Procedure

1. Identify a suitable anchor point.
2. Disengage the clutch and pull out enough rope to reach the anchor point.
3. Secure the clevis hook to the anchor point.
4. Engage the clutch fully.
5. Use the remote control to slowly retract the rope, ensuring the rope spools evenly onto the drum.
6. Monitor the winching operation from a safe distance.
7. Once the recovery is complete, release tension, disengage the clutch, and carefully unhook the rope.

8. Respool the rope neatly under light tension.



The integrated load-holding brake system ensures precise load control and prevents rollback during winching operations.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your winch.

- **Rope Inspection:** Regularly inspect the synthetic rope for signs of wear, fraying, cuts, or damage. Replace the rope if any damage is found.
- **Cleaning:** Keep the winch clean from dirt, mud, and debris. Use a damp cloth to wipe down the exterior. Avoid high-pressure washing directly on electrical components.

- **Electrical Connections:** Periodically check all electrical connections for tightness and corrosion. Clean terminals as needed.
- **Lubrication:** The internal gears are factory-lubricated and generally do not require user maintenance. Consult VEVOR support for specific lubrication guidelines if needed.
- **Storage:** When not in use, store the winch in a dry environment. If mounted on a vehicle, ensure it is covered to protect it from prolonged exposure to elements. The IP67 rating provides protection against dust and water ingress.

Never Rusts or Breaks in Sun or Rain



UHMW-PE Synthetic Rope

12-Strand Braided

Sunlight-resistant & Fatigue-resistant

Inspect the synthetic rope regularly for wear and damage to ensure safe operation.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your VEVOR Electric Winch.

Problem	Possible Cause	Solution
Winch does not operate	No power to winch; Loose electrical connections; Faulty remote control; Engaged clutch.	Check battery connections and voltage; Ensure all wiring is secure; Test with both wired and wireless remotes; Ensure clutch is fully engaged.
Winch operates slowly or with reduced power	Low battery voltage; Overload; Corroded electrical connections.	Ensure vehicle engine is running; Reduce load; Clean battery terminals and connections.
Rope does not free-spool	Clutch not fully disengaged; Rope tension.	Ensure clutch lever is in the "FREE SPOOL" position; Release any tension on the rope.
Winch motor overheats	Prolonged heavy use; Exceeding duty cycle.	Allow winch to cool down; Avoid continuous heavy pulls; Use snatch blocks to reduce load on winch.

9. WARRANTY AND SUPPORT

VEVOR products are designed for durability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official VEVOR website. If you encounter any issues or require technical assistance, please contact VEVOR customer support.

Contact Information:

Please refer to the contact details provided on your product packaging or the official VEVOR website for the most current support options.