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WINDHORSE V8 Pro

WINDHORSE V8 Pro Electric Bike User Manual

Model: V8 Pro
Brand: WINDHORSE

1. INTRODUCTION

Welcome to the WINDHORSE V8 Pro Electric Bike user manual. This document provides essential information for the safe and efficient operation, assembly, and maintenance of your new electric bike. Please read this manual thoroughly before your first ride and keep it for future reference.



Figure 1: The WINDHORSE V8 Pro Electric Bike.

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local traffic laws and regulations. Regular maintenance is crucial for safe operation.

General Safety Guidelines:

- Perform a pre-ride inspection before each use.
- Ensure tires are properly inflated and brakes are functioning correctly.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Do not exceed the maximum weight recommendation of 330 LBS.

3. SETUP AND ASSEMBLY

The WINDHORSE V8 Pro Electric Bike requires some assembly. Follow these steps carefully to ensure proper setup.

Assembly Video:

Your browser does not support the video tag.

Video 1: Detailed assembly guide for the Windhorse V8 Pro Electric Bike.

Step-by-Step Assembly:

- 1. Install the Handlebar:** Secure the handlebar into the stem bracket using the provided tools. Ensure all bolts are tightened to the manufacturer's specifications.
- 2. Install the Front Wheel:** Carefully align the front wheel with the fork. Ensure the quick release lever is on the side opposite the rotor/caliper. Insert the quick release skewer and tighten securely.
- 3. Attach the Front Fender:** Position the front fender over the front wheel and secure it to the front fork using the screws provided.
- 4. Install the Headlight:** Mount the headlight to the designated bracket on the front fork. Connect the headlight cable to the main wiring harness.
- 5. Install the Seat and Rear Rack:** Attach the rear rack to the frame, then secure the extended seat onto the frame and rack. Ensure all connections are firm.
- 6. Install the Pedals:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms and tighten them using a wrench. Note that the left pedal is reverse-threaded.

4. OPERATING INSTRUCTIONS

Learn how to operate your WINDHORSE V8 Pro Electric Bike safely and effectively.

Powering On/Off:

- To power on the bike, locate the power switch on the battery pack and turn it to the 'ON' position.
- Then, press and hold the power button on the LCD display until it illuminates.
- To power off, press and hold the power button on the LCD display until it turns off, then switch the battery power to 'OFF'.

Riding Modes:

The V8 Pro offers three riding modes:

- **Full-Electric Mode:** Use the throttle to propel the bike without pedaling.
- **Pedal-Assist Mode (PAS):** The motor provides assistance as you pedal. Adjust the assist level (1-5) using the controls on the handlebar.
- **Manual Mode:** Ride the bike like a traditional bicycle, using only pedal power.

Display and Controls:

UPGRADED LCD DISPLAY

Any riding data, such as speed, riding time, mileage, and remaining power, can be displayed for your grasp



Figure 2: Intelligent Digital LCD Display showing speed, battery level, and riding data.

The intelligent digital LCD display shows real-time speed, battery level, riding time, mileage, and selected riding mode. Use the up/down buttons on the handlebar to adjust pedal-assist levels.

Safety Features in Operation:

- **Headlight & Brake Light:** The bright headlight and brake light enhance visibility. The brake light activates automatically when braking.
- **Automatic Turn Signals:** Built-in tilt sensors automatically activate the rear turn signals when you lean into a turn, improving safety without manual operation.
- **Electric Horn:** Use the electric horn to alert others to your presence.

SAFE RIDING

Safe Combo illuminate complex night roads



Figure 3: Overview of the bike's safety features including turn signals, brake light, and headlight.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your electric bike.

General Maintenance Tips:

- **Cleaning:** Clean your bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Tires:** Check tire pressure before each ride. The CHAOYANG 20"x4" fat tires should be inflated to a maximum of 20 PSI (140 kPa / 1.4 BAR).
- **Brakes:** Inspect dual disc brakes for wear and proper function. Adjust or replace brake pads as needed.
- **Chain:** Keep the chain clean and lubricated for smooth shifting and to prevent rust.
- **Battery:** Charge the 48V 15.6Ah battery regularly, even when not in use, to maintain its health. Store the battery in a cool, dry place.
- **Fasteners:** Periodically check all bolts and fasteners for tightness.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your electric bike.

Common Issues and Solutions:

- **Bike not powering on:** Ensure the battery switch is 'ON' and the battery is charged. Check all cable connections.
- **Motor not assisting:** Verify that pedal-assist is enabled on the display and the assist level is not set to zero. Check for any error codes on the LCD.
- **Brakes feel spongy:** This may indicate air in the hydraulic lines or worn brake pads. Consult a professional bike mechanic.
- **Reduced range:** Factors like rider weight, terrain, temperature, and riding mode can affect range. Ensure the battery is fully charged and consider riding in lower assist modes.
- **Unlocking Speed (if applicable):** If your bike is speed-limited to 20 MPH, you may be able to unlock

higher speeds by holding the brake, turning on the power, and pressing the throttle five times. Refer to local regulations regarding e-bike speed limits.

7. SPECIFICATIONS

Detailed technical specifications for the WINDHORSE V8 Pro Electric Bike.

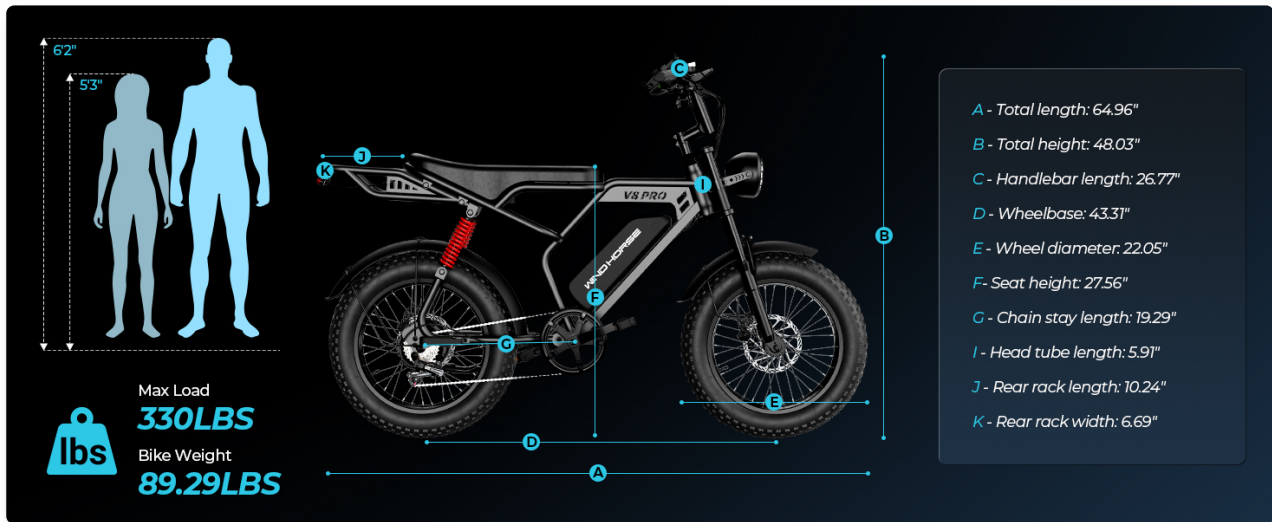


Figure 4: Key dimensions of the WINDHORSE V8 Pro Electric Bike.

Feature	Specification
Model Name	V8 Pro
Brand	WINDHORSE
Motor	750W Continuous / 1500W Peak Brushless Motor
Max Speed	31 MPH (5-level adjustable)
Battery	48V 15.6Ah Removable Lithium Battery (720 Wh)
Range	Up to 40 miles (pure electric) / 65 miles (pedal-assist)
Charging Time	7-8 Hours
Tires	CHAOYANG 20" x 4" Fat Tires
Frame Material	Carbon Alloy
Suspension	Dual Suspension (Front & Rear)
Brakes	160mm Dual Disc Brakes
Gears	SHIMANO 7-Speed Shifters
Display	Intelligent Digital LCD Display

Feature	Specification
Max Load Capacity	330 LBS
Item Weight	89.29 Pounds
Special Features	Extended Seat (61cm), Rear Cargo Rack (55LBS capacity), Headlight, Brake Light, Automatic Turn Signals, Electric Horn, IPX5 Waterproof

8. WARRANTY AND SUPPORT

The WINDHORSE V8 Pro Electric Bike comes with a **1-Year Limited Warranty**. For warranty claims, technical support, or any inquiries, please contact WINDHORSE customer service through the retailer where you purchased the product.