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› KBO Breeze Electric Bike User Manual

## KBO KBO Commuter E-Bike Breeze

# KBO Breeze Electric Bike User Manual

Model: KBO Commuter E-Bike Breeze

Brand: KBO

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your KBO Breeze Electric Bike. Please read this manual thoroughly before your first ride and keep it for future reference.



Figure 1.1: KBO Breeze Electric Bike (White Model)

The KBO Breeze is a versatile electric bike designed for commuting and recreational use, featuring a powerful motor, long-range battery, and robust construction for a smooth and reliable riding experience.

## 2. SAFETY GUIDELINES

Always prioritize safety. Wear a helmet, obey traffic laws, and perform pre-ride checks. Do not operate the e-bike under the influence of alcohol or drugs. Ensure all components are securely fastened before each ride.

- Always wear a certified helmet.
- Familiarize yourself with local e-bike regulations.
- Perform a pre-ride inspection: check brakes, tire pressure, battery level, and quick releases.
- Be aware of your surroundings and ride defensively.
- Avoid riding in adverse weather conditions if possible.

### 3. PACKAGE CONTENTS

Your KBO Breeze Electric Bike package includes the following items:

- KBO Breeze Electric Bike (90% pre-assembled)
- Battery Charger (3.0A Fast Charger)
- Kickstand
- Front and Rear Fenders
- Rear Rack
- 16-in-1 Repair Tool
- Water Bottle Holder
- User Manual (this document)

### 4. SETUP & ASSEMBLY

The KBO Breeze Electric Bike arrives 90% pre-assembled. Follow these steps to complete the assembly:

1. Carefully remove the bike and all components from the packaging.
2. Attach the front wheel, ensuring the disc brake rotor is correctly aligned with the caliper.
3. Install the handlebars, adjusting them to a comfortable riding position.
4. Attach the pedals (note: left and right pedals are distinct).
5. Install the seat post and saddle, adjusting the height for proper leg extension.
6. Mount the front fender and headlight.
7. Ensure the rear rack and rear light are securely attached.
8. Perform a thorough safety check of all bolts, connections, and functions before your first ride.



Figure 4.1: Partial assembly of the KBO Breeze Electric Bike.

The bike comes largely pre-assembled, simplifying the setup process for users.

## 5. COMPONENTS OVERVIEW

### 5.1 Motor

The KBO Breeze is equipped with a 500W brushless motor, capable of reaching a peak power of 750W. This motor provides strong acceleration and allows for climbing inclines up to 25 degrees.

# Peak 750w Brushless Motor



### Powerful Motor

of peak 750w / sustained 500w



### Excellent Climbing

over 35° slope



### Faster Speed

in pure electric mode



### Superior Acceleration

under 60Nm Motor Torque

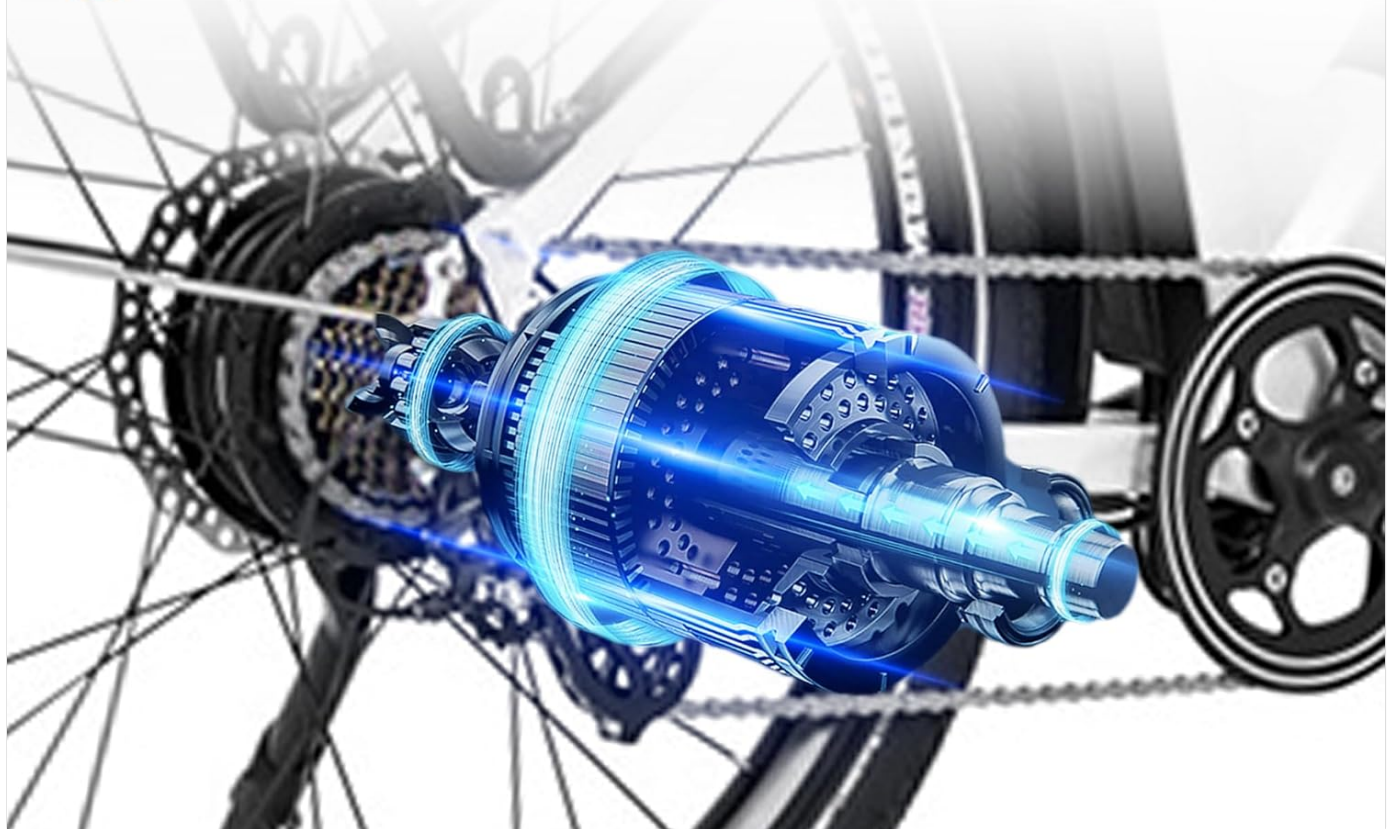


Figure 5.1: Illustration of the powerful 500W brushless motor.

The motor is designed for efficient power delivery and smooth operation across various terrains.

### 5.2 Battery

The bike features a removable 48V 16Ah (768 Wh) lithium-ion battery, utilizing high-quality Samsung and LG cells. This battery provides a range of up to 55 miles on a single charge, depending on riding conditions and assist level.

# 48V 16Ah Removable Battery



## Long Battery Range

768Wh capacity



## 3.0A Fast Charger

4-5 hours full charge



## TEMP Controlled

work in 40°C / -20°C



Figure 5.2: The removable 48V 16Ah battery integrated into the bike frame.

The battery is designed for easy removal for charging or storage, and its large capacity ensures extended ride times.

## 5.3 Brakes

The KBO Breeze is equipped with reliable disc brakes on both the front and rear wheels, providing strong and consistent stopping power in various conditions.



Figure 5.3: Close-up view of the disc brake system.

The disc brakes ensure effective and safe deceleration.

## 5.4 Gear System

A Shimano 7-speed gear system allows for smooth and precise shifting, adapting to different terrains and riding preferences.



Figure 5.4: Shimano 7-speed shifter on the handlebar.

The gear system provides flexibility for various riding conditions.

## 5.5 LCD Display

The backlit LCD display provides essential riding information, including battery level, pedal assist level (0-5), current speed, odometer, and trip meter.



Figure 5.5: The LCD display mounted on the handlebar.

The display keeps you informed about your ride statistics.

## 5.6 Lights

The bike includes a super bright LED headlight for visibility and a rear light integrated into the rear rack that also functions as a brake light.



Figure 5.6: Rear rack with integrated tail light.

The integrated lighting system enhances safety during night rides.

## 5.7 Frame & Suspension

Constructed from sturdy 6061 aluminum, the frame offers durability and a 300lbs payload capacity while maintaining a lightweight design (62lbs). It features front suspension with 80mm of travel for a comfortable ride over varied terrain.

# 6061 Aluminum Frame



## KBO Breeze



- Aluminum Material
- Anti-Deformable
- Corrosion-Resistant

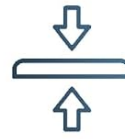
Intensity:



Antioxidant:



## Normal Electric Bikes



- Carbon Steel
- Easy to Deform
- Corrosion-Prone

Intensity:



Antioxidant:



## 300LBS

Payload Capacity



Figure 5.7: The robust 6061 aluminum frame design.

The aluminum frame provides a balance of strength and lightness.



Figure 5.8: Front suspension fork for absorbing shocks.

The front suspension enhances ride comfort on uneven surfaces.

## 5.8 Tires

The 27.5"x2.4" tires are designed for durability and puncture resistance, providing a stable and smooth ride.



Figure 5.9: Close-up of the tire tread pattern.

The wide, puncture-resistant tires contribute to ride stability and safety.

## 5.9 Saddle

The comfortable saddle is adjustable to accommodate various rider heights and preferences, reducing discomfort during long rides.



Figure 5.10: The comfortable and adjustable saddle.

The saddle is designed for rider comfort and adjustability.

## 6. OPERATING INSTRUCTIONS

### 6.1 Powering On/Off

To power on the e-bike, press and hold the 'M' button on the LCD display. To power off, press and hold the 'M' button again.

### 6.2 Pedal Assist System (PAS)

The KBO Breeze offers 0-5 levels of pedal assist. Use the '+' and '-' buttons on the display to adjust the assist level. Level 0 provides no motor assistance, while Level 5 provides maximum assistance.

### 6.3 Throttle Operation

The e-bike features a twist throttle on the right handlebar. Gently twist the throttle towards you to engage the motor without pedaling. The throttle can be used independently or in conjunction with pedal assist.

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Video 6.1: "Commuter Electric Bike KBO Breeze" - Demonstrates general riding and throttle use.

This video showcases the KBO Breeze in action, highlighting its ease of use and smooth operation with both pedal assist and throttle.

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Video 6.2: "KBO BREEZE Commute Electric Bike" - Provides a visual overview of the bike's features during a commute.

Observe the KBO Breeze's performance and design elements suitable for daily commuting.

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Video 6.3: "Ride On BREEZE Like Breeze" - Short clip demonstrating the smooth riding experience.

A quick look at the effortless and enjoyable ride provided by the KBO Breeze.

6.4 Shifting Gears

Use the Shimano 7-speed shifter to change gears. Shift to lower gears for climbing hills or starting from a stop, and to higher gears for faster speeds on flat terrain.

6.5 Charging the Battery

Connect the 3.0A fast charger to the battery and a power outlet. A full charge takes approximately 5 hours. The battery can be charged while installed on the bike or removed.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your KBO Breeze Electric Bike.

- **Tires:** Check tire pressure before each ride. Maintain recommended PSI for optimal performance and safety.
- **Brakes:** Regularly inspect brake pads for wear and ensure brake levers are responsive. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth shifting and prevent wear.
- **Battery:** Store the battery in a cool, dry place. Avoid fully discharging the battery frequently. Charge regularly, even if not in use, to maintain battery health.
- **Frame:** Clean the frame regularly with a damp cloth. Inspect for any signs of damage or cracks.
- **Fasteners:** Periodically check all bolts and quick releases to ensure they are tight and secure.

8. TROUBLESHOOTING

| Problem                      | Possible Cause                                                      | Solution                                                          |
|------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|
| Motor not engaging           | Battery low/dead, power off, brake lever engaged, loose connection. | Charge battery, power on, release brake lever, check connections. |
| Short battery range          | High assist level, heavy load, hilly terrain, low tire pressure.    | Use lower assist, pedal more, check tire pressure, reduce load.   |
| Brakes squealing/ineffective | Worn pads, dirty rotors, improper adjustment.                       | Clean rotors, inspect/replace pads, adjust brake calipers.        |
| Gears not shifting smoothly  | Dirty/dry chain, misaligned derailleur, damaged cable.              | Clean and lubricate chain, adjust derailleur, inspect cables.     |

9. SPECIFICATIONS

| Feature                  | Detail                                                     |
|--------------------------|------------------------------------------------------------|
| Bike Type                | Electric Commuter Bike (Step-Thru Style)                   |
| Motor                    | 500W Brushless (Peak 750W)                                 |
| Battery                  | 48V 16Ah (768 Wh) Removable Lithium-ion (Samsung/LG cells) |
| Range                    | Up to 55 miles (Pedal Assist)                              |
| Top Speed                | 25 MPH                                                     |
| Charging Time            | Approx. 5 hours (with 3.0A Fast Charger)                   |
| Payload Capacity         | 300 LBS                                                    |
| Bike Weight              | 62 LBS (without accessories)                               |
| Frame Material           | 6061 Aluminum                                              |
| Wheel Size               | 27.5" x 2.4"                                               |
| Gears                    | Shimano 7-Speed System                                     |
| Brakes                   | Front and Rear Disc Brakes                                 |
| Suspension               | Front (80mm travel)                                        |
| Recommended Rider Height | 5'2" - 6'3"                                                |

# Recommended Rider Heights



**Adjustable Seat Height**

**29.5" - 38"**



**Recommended Rider Heights**

**5'2" - 6'3"**

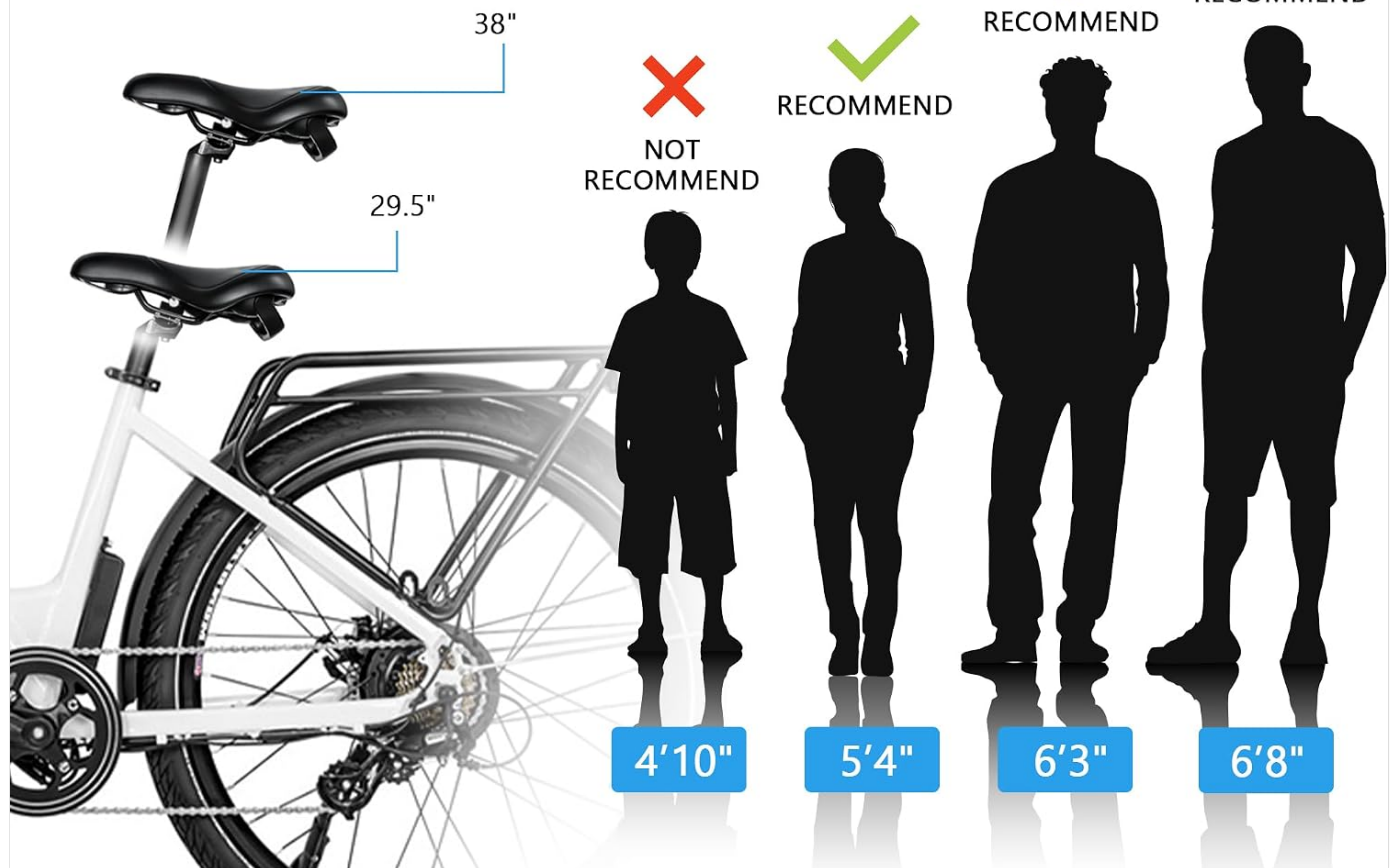
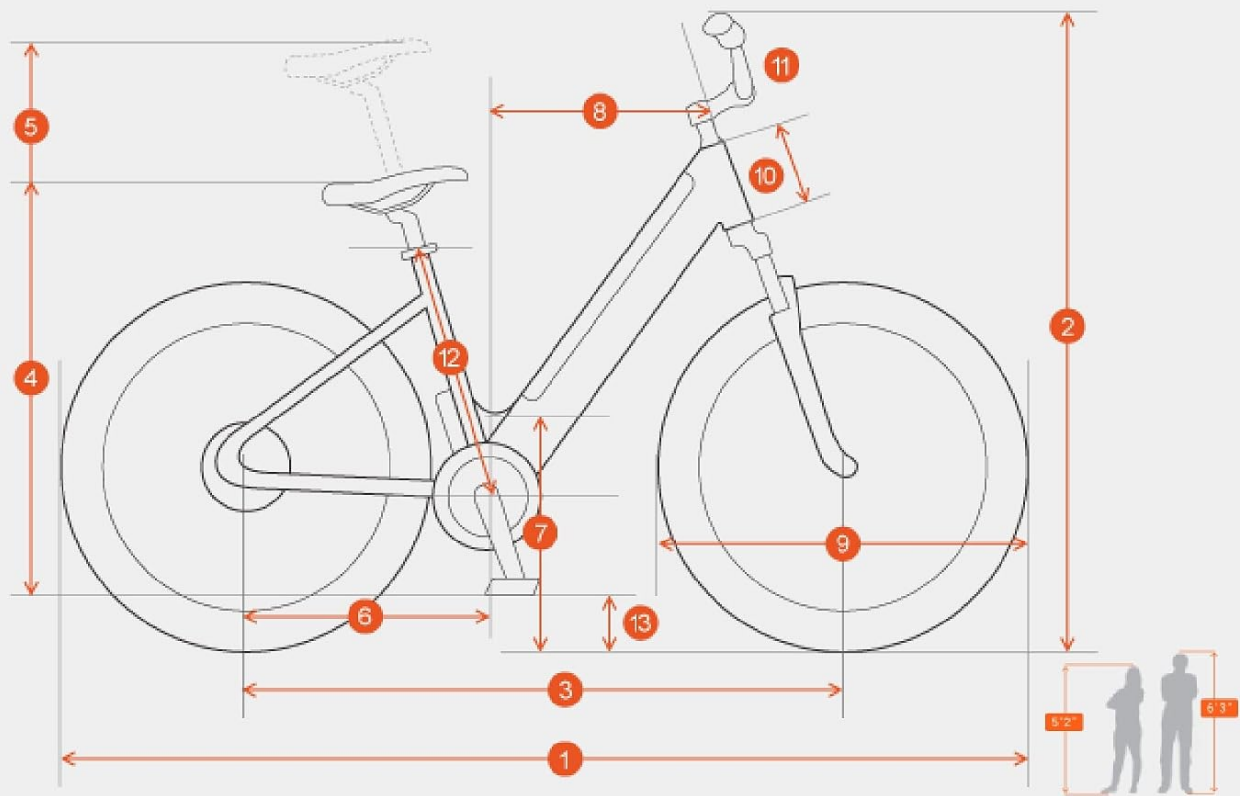


Figure 9.1: Visual guide for recommended rider heights.

The bike is designed to accommodate a wide range of adult rider heights.



### Bike Specification

|                       |       |                     |       |
|-----------------------|-------|---------------------|-------|
| 1.Total Length        | 72"   | 7.Standover Height  | 18"   |
| 2.Handlebar Height    | 46.5" | 8.Reach             | 16"   |
| 3.Wheelbase           | 45"   | 9.Wheel Diameter    | 27.5" |
| 4.Minimum Seat Height | 29.5" | 10.Head Tube Length | 6.5"  |
| 5.Maximum Seat Height | 38"   | 11.Handlebar Length | 27"   |
| 6.Chain Stay Length   | 19"   | 12.Seat Tube Length | 17"   |

Figure 9.2: Detailed bike specifications and dimensions.

Refer to this diagram for precise measurements of the KBO Breeze.

## 10. WARRANTY & SUPPORT

The KBO Breeze Commuter Electric Bike comes with a 2-year warranty against all defects. Additionally, KBO offers a 10-year frame damage replacement promise. For customer service and support, please refer to the contact information provided on the KBO official website or your purchase documentation.

- **Warranty Period:** 2 years for all defects.
- **Frame Replacement:** 10-year promise for frame damage.
- **Support:** Contact KBO customer service for assistance.

## 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

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### 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