

## VEVOR ELS106S

# VEVOR 6.5-Ton Electric Log Splitter Instruction Manual

Model: ELS106S | Brand: VEVOR

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your VEVOR 6.5-Ton Electric Log Splitter, Model ELS106S. Please read and understand all instructions before operating the machine. Retain this manual for future reference.

## 2. SAFETY INSTRUCTIONS

Operating a log splitter can be hazardous if proper safety precautions are not followed. Always prioritize your safety and the safety of others.

### 2.1 General Safety

- Read and understand the entire instruction manual before operation.
- Wear appropriate Personal Protective Equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Keep the work area clear of bystanders, children, and pets.
- Operate the log splitter on a firm, level surface.
- Do not operate the machine under the influence of drugs, alcohol, or medication.

### 2.2 Electrical Safety

- Ensure the power supply matches the specifications of the log splitter (120V, 15 Amps).
- Use an extension cord no longer than 50 ft and with a cross-section no less than 3.3 mm<sup>2</sup> (12-gauge or thicker) to prevent voltage drop and overheating.
- Plug the log splitter into a dedicated circuit to handle the initial power surge and avoid tripping breakers.
- Never operate the log splitter in wet conditions or expose it to rain.

### 2.3 Operational Safety

- The log splitter features a two-hand operation system for user safety. Both the motor button and the hydraulic lever must be engaged simultaneously to operate the ram.
- Keep hands away from the splitting wedge and ram during operation.
- Only split logs within the recommended capacity: up to 20 inches in length and 9.8 inches in diameter.
- Avoid splitting knotty or excessively hard wood, as this can strain the machine and cause kickback.
- Ensure logs are free of nails, wire, or other foreign objects.

## 3. SETUP

Your VEVOR log splitter requires minimal assembly before first use.

### 3.1 Unpacking and Assembly

1. Carefully remove all components from the packaging.
2. Attach the transport wheels to the designated axle points.
3. Secure the support legs to ensure stability during operation.
4. Ensure all bolts and fasteners are tightened securely.



Figure 1: Side view of the VEVOR Electric Log Splitter, showing the attached wheels and support legs for portability and stability.

### 3.2 Pre-Operation Checks

- Verify that all connections are tight and secure.
- Check the hydraulic oil level. Ensure it is within the recommended range.
- Inspect the power cord and extension cord for any damage.

## 4. OPERATING INSTRUCTIONS

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Follow these steps for safe and effective log splitting.

### 4.1 Preparing Logs

- For optimal performance, use dry timber. Wet or green wood is significantly harder to split.
- Ensure logs are cut to appropriate lengths (max 20 inches) and diameters (max 9.8 inches).
- Place the log firmly on the splitting bed against the wedge.

# Fast & Continuous Splitting

Achieve Efficient Wood Splitting

**6.5-Ton**  
Powerful force

**9.8 in** Diameter  
Split Logs Size

**20 inch**  
Long

**18-Second**  
Intervals

**Efficient Hydraulic  
Press Shorten Intervals**



Figure 2: A user positions a log on the splitter, demonstrating the machine's capacity for efficient wood processing.

## 4.2 Splitting Process

1. With the log securely in place, simultaneously press the motor button and pull the hydraulic lever.
2. The hydraulic ram will extend, pushing the log against the steel wedge and splitting it.
3. Once the log is split, release both controls. The ram will automatically retract to its starting position.
4. Repeat the process for remaining logs.





Figure 3: The two-hand control system ensures operator safety by requiring simultaneous engagement of both controls to activate the splitting ram.

### 4.3 Optimizing Splitting

- For shorter logs, the ram can be adjusted to reduce travel distance, improving efficiency.
- If a log does not split completely on the first pass, reposition it or try splitting from a different angle.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your log splitter.

### 5.1 Cleaning

- After each use, clear wood chips, sawdust, and debris from the splitting bed and around the motor.
- Using a tarp or mat under the splitter can significantly simplify cleanup.

## 5.2 Hydraulic System

- Periodically check the hydraulic oil level and top up if necessary. Refer to the specifications for the correct oil type and capacity (3.5 L).
- Inspect hydraulic hoses and connections for leaks or damage.

## 5.3 General Inspection

- Regularly inspect all moving parts for wear and tear.
- Ensure all fasteners remain tight.

## 6. TROUBLESHOOTING

Here are some common issues and their potential solutions.

Problem	Possible Cause	Solution
Motor does not start	No power, tripped circuit breaker, faulty switch	Check power connection, reset circuit breaker, ensure both controls are engaged.
Log not splitting	Log too large/wet, knotty wood, dull wedge	Reduce log size, use dry wood, reposition log, inspect wedge for damage.
Ram not extending/retracting	Low hydraulic fluid, air in system, faulty hydraulic valve	Check hydraulic fluid level, bleed air from system (refer to detailed manual), contact support.
Overheating	Improper extension cord, continuous heavy use	Use correct gauge extension cord, allow machine to cool down between heavy tasks.

## 7. SPECIFICATIONS

Detailed technical specifications for the VEVOR 6.5-Ton Electric Log Splitter.

- **Item Model Number:** ELS106S
- **Max Splitting Force:** 6.5 Tons
- **Motor:** 120V, 15 Amps
- **No-Load Speed:** 3400 RPM
- **Log Capacity:** Up to 20 in (L) x 9.8 in (Dia)
- **Hydraulic Oil Capacity:** 3.5 L
- **Wheel Size:** 6 in
- **Net Weight:** 99.2 pounds (45.0 kg)
- **Product Dimensions:** 37.4 x 10.83 x 18.19 inches (950 x 275 x 462 mm)





Figure 4: Detailed dimensions and specifications of the VEVOR Electric Log Splitter, Model ELS106S.

## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact VEVOR customer service. Refer to your purchase documentation for specific warranty terms and contact details.