

## Scheppach HL460

# Scheppach HL460 Electric Hydraulic Log Splitter Instruction Manual

Model: HL460 | Brand: Scheppach

## 1. PRODUCT OVERVIEW

The Scheppach HL460 Electric Hydraulic Log Splitter is designed for efficient and safe splitting of firewood. With a powerful 1500 W motor and 4 tonnes of splitting force, it can process up to 100 logs per hour. This versatile machine is suitable for both dry and freshly cut wood, handling logs up to 370 mm in length and 250 mm in diameter. Key features include a hydraulic cylinder with automatic return, a robust steel construction, and integrated safety measures such as two-handed operation and a protective safety cage.

- Splits up to 100 logs per hour with safe and quiet operation.
- 4 tonnes splitting force, accommodating wood up to 37 cm length and 25 cm diameter.
- Features a hydraulic cylinder with automatic return for efficient operation.
- Constructed with torsion-resistant, powder-coated steel for durability.
- Ensures optimal safety through two-hand operation and a protective safety cover in the splitting area.
- Includes a convenient storage table for split wood.



Figure 1: Scheppach HL460 Log Splitter with a log positioned for splitting, showcasing the safety cage and robust design.

## 2. SAFETY INSTRUCTIONS

Operating any power tool requires strict adherence to safety guidelines to prevent injury and damage. Please read and understand all safety instructions before operating the Scheppach HL460 Log Splitter.

- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, and heavy-duty gloves when operating the log splitter. Steel-toed boots are also recommended.
- **Work Area:** Ensure the work area is clear of obstructions, well-lit, and on a firm, level surface. Keep children, pets, and bystanders at a safe distance (at least 10 feet / 3 meters).
- **Electrical Safety:** Connect the log splitter only to a properly grounded 230 V power outlet. Do not use extension cords unless absolutely necessary, and if so, ensure they are rated for outdoor use and the appropriate gauge for the power requirements. Inspect the power cord for damage before each use.
- **Two-Handed Operation:** The machine is designed for two-handed operation. Always use both hands to engage the controls. Never attempt to bypass or modify safety features.
- **Log Placement:** Always place logs securely on the splitting table. Do not attempt to split logs that exceed the maximum length (370 mm) or diameter (250 mm). Avoid splitting logs with knots or embedded foreign objects.
- **Hydraulic System:** Do not tamper with the hydraulic system. Check hydraulic fluid levels regularly as per maintenance instructions.
- **Maintenance:** Disconnect the power supply before performing any maintenance, cleaning, or adjustments.
- **Stability:** Ensure the log splitter is stable and cannot tip over during operation.
- **Emergency Stop:** Familiarize yourself with the location and operation of the emergency stop mechanism.

### 3. SETUP AND ASSEMBLY

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Before first use, some assembly may be required. Refer to the included assembly diagrams for detailed steps. Ensure all components are securely fastened before connecting to power.

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Assembly:**
  - a. Attach the wheels and support legs as per the assembly instructions.
  - b. Install the safety protection cage securely over the splitting area. This cage is crucial for operator safety, protecting against wood splinters.
  - c. Mount the log storage table if it is a separate component.
3. **Placement:** Position the log splitter on a firm, level, and stable surface. Ensure there is ample space around the machine for safe operation and log handling.
4. **Hydraulic Fluid Check:** Before initial operation, verify the hydraulic oil level. The oil tank capacity is 2.4 liters. Top up if necessary using only recommended hydraulic oil.
5. **Electrical Connection:** Connect the 230 V power cord to a suitable, grounded electrical outlet. Ensure the circuit can handle the 1500 W power consumption.



Figure 2: The Scheppach HL460 Log Splitter positioned on a level outdoor surface, ready for operation.

### 4. OPERATING INSTRUCTIONS

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Follow these steps for safe and effective operation of your log splitter.

1. **Preparation:**

- a. Ensure all safety instructions (Section 2) have been reviewed and understood.
- b. Verify the log splitter is on a stable surface and properly connected to power.
- c. Have your personal protective equipment (PPE) on.

## 2. Loading a Log:

- a. Place a log horizontally on the splitting table, ensuring it is centered against the splitting wedge.
- b. Ensure the log's length does not exceed 370 mm and its diameter is between 55 mm and 250 mm.
- c. Do not attempt to split logs that are excessively knotty or contain foreign objects.

## 3. Splitting Operation:

- a. With both hands, simultaneously engage the two control levers/buttons. This activates the hydraulic cylinder.
- b. The splitting wedge will advance, splitting the log. Maintain pressure on both controls until the log is fully split or the wedge reaches its maximum extension.
- c. Once the log is split, release both control levers. The hydraulic cylinder will automatically retract to its starting position.
- d. Remove the split wood from the splitting table and place it on the integrated storage table or in a designated area.

4. **Continuous Operation:** The HL460 is designed for efficient, continuous use, capable of splitting up to 100 logs per hour. Allow the motor to cool down periodically during extended use.



Figure 3: An operator demonstrating the two-handed operation of the Scheppach HL460 Log Splitter in an outdoor setting.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Scheppach HL460 Log Splitter. Always disconnect

the power supply before performing any maintenance.

- **Cleaning:** After each use, clean the log splitter to remove wood chips, sawdust, and debris. Use a brush or compressed air. Do not use water directly on electrical components.
- **Hydraulic Fluid:**
  - a. Check the hydraulic oil level regularly (e.g., every 10 hours of operation or monthly).
  - b. If the level is low, top up with recommended hydraulic oil. Refer to the product manual for the specific type.
  - c. Change the hydraulic oil annually or after approximately 50 hours of operation, whichever comes first. Dispose of used oil responsibly.
- **Splitting Wedge:** Inspect the splitting wedge for sharpness and damage. If dull, it can be sharpened. If damaged, it should be replaced.
- **Moving Parts:** Periodically check all bolts, nuts, and fasteners to ensure they are tight. Lubricate moving parts as recommended in the full product manual.
- **Electrical Components:** Inspect the power cord, plug, and switches for any signs of wear or damage. Replace damaged components immediately.
- **Storage:** Store the log splitter in a dry, clean, and secure location, away from direct sunlight and extreme temperatures.

## 6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter. For problems not listed here, contact customer support.

| Problem                                    | Possible Cause   | Solution  |
|--|--|---|
| Log splitter does not start.               | No power supply; faulty switch; thermal overload activated.  | Check power connection and circuit breaker. Ensure switch is in "ON" position. Allow motor to cool if it has overheated.                  |
| Loss of splitting force or slow operation. | Low hydraulic oil level; air in hydraulic system; worn pump. | Check and top up hydraulic oil. Bleed air from the system as per manual. If problem persists, contact service.                            |
| Log gets stuck.                            | Log too large or knotty; wedge dull.                         | Do not force the splitter. Release controls, remove log carefully. Ensure logs are within specified dimensions. Sharpen or replace wedge. |
| Unusual noise during operation.            | Loose components; low oil; motor issue.                      | Stop operation immediately. Check all fasteners. Verify hydraulic oil level. If noise persists, seek professional service.                |

## 7. TECHNICAL SPECIFICATIONS

|               |                  |
|---------------|------------------|
| Model         | HL460 (SC-HL460) |
| Manufacturer  | Scheppach        |
| Motor Power   | 1500 W           |
| Motor Voltage | 230 V            |

|                        |                                |
|------------------------|--------------------------------|
| Splitting Force (max.) | 4 Tonnes                       |
| Log Length (max.)      | 370 mm                         |
| Log Diameter (min-max) | 55 - 250 mm                    |
| Hydraulic Pressure     | 165 bar                        |
| Oil Tank Capacity      | 2.4 L                          |
| Item Weight            | 107.8 pounds (approx. 48.9 kg) |
| Power Source           | Electric                       |
| Finish                 | Powder coated                  |

## 8. WARRANTY AND SUPPORT

**Warranty Information:** The Scheppach HL460 Log Splitter comes with a 5-year warranty. An extension of 5 years is available upon product registration, valid only in France. Please retain your proof of purchase for warranty claims.



**Customer Support:** For technical assistance, spare parts, or warranty inquiries, please contact Scheppach customer service or your authorized dealer. Refer to the original product packaging or the manufacturer's website for contact details.





It is recommended to register your product to facilitate warranty claims and receive important product updates.



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### Related Documents - HL460

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|---|---|
|  | <p><a href="#">scheppach HL460 Holzspalter Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für den scheppach HL460 Holzspalter. Enthält Sicherheitshinweise, Montageanleitungen, technische Daten und Wartungsinformationen in mehreren Sprachen.</p> |
|  | <p><a href="#">Scheppach HL810 Log Splitter User Manual</a></p> <p>Comprehensive user manual for the Scheppach HL810 log splitter, detailing assembly, operation, safety precautions, and maintenance. Includes technical specifications and troubleshooting.</p>   |

|  |               |     |     |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
|--|---------------|-----|-----|-----|---------------------|-----|-----|-----|------------|-----|-----|-----|--------------|-----|-----|-----|------------|-----|-----|-----|---------------|-----|-----|-----|-------------------|-----|-----|-----|-----------|-----|-----|-----|----------|-----|-----|-----|---|
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| 1. Einleitung  | 1.1           | 1.2 | 1.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 2. Technische Daten  | 2.1           | 2.2 | 2.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 3. Montage   | 3.1           | 3.2 | 3.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 4. Bedienung   | 4.1           | 4.2 | 4.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 5. Wartung   | 5.1           | 5.2 | 5.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 6. Sicherheit  | 6.1           | 6.2 | 6.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 7. Fehlerbehebung  | 7.1           | 7.2 | 7.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 8. Anhang  | 8.1           | 8.2 | 8.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 9. Index   | 9.1           | 9.2 | 9.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
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| 1. Einleitung  | 1.1           | 1.2 | 1.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
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| 5. Wartung   | 5.1           | 5.2 | 5.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
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| 1. Einleitung  | 1.1           | 1.2 | 1.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
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| 7. Fehlerbehebung  | 7.1           | 7.2 | 7.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
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| <div><div><div>Alle technischen Informationen<br/>sicherheitsrelevanter<br/>Anlagen<br/>sicherheitsrelevanter<br/>Anlagen</div><div>CE</div><div><div>scheppach</div></div></div><div></div><div>HL710</div><div><table><tr><td>1. Einleitung</td><td>1.1</td><td>1.2</td><td>1.3</td></tr><tr><td>2. Technische Daten</td><td>2.1</td><td>2.2</td><td>2.3</td></tr><tr><td>3. Montage</td><td>3.1</td><td>3.2</td><td>3.3</td></tr><tr><td>4. Bedienung</td><td>4.1</td><td>4.2</td><td>4.3</td></tr><tr><td>5. Wartung</td><td>5.1</td><td>5.2</td><td>5.3</td></tr><tr><td>6. Sicherheit</td><td>6.1</td><td>6.2</td><td>6.3</td></tr><tr><td>7. Fehlerbehebung</td><td>7.1</td><td>7.2</td><td>7.3</td></tr><tr><td>8. Anhang</td><td>8.1</td><td>8.2</td><td>8.3</td></tr><tr><td>9. Index</td><td>9.1</td><td>9.2</td><td>9.3</td></tr></table></div></div> | 1. Einleitung | 1.1 | 1.2 | 1.3 | 2. Technische Daten | 2.1 | 2.2 | 2.3 | 3. Montage | 3.1 | 3.2 | 3.3 | 4. Bedienung | 4.1 | 4.2 | 4.3 | 5. Wartung | 5.1 | 5.2 | 5.3 | 6. Sicherheit | 6.1 | 6.2 | 6.3 | 7. Fehlerbehebung | 7.1 | 7.2 | 7.3 | 8. Anhang | 8.1 | 8.2 | 8.3 | 9. Index | 9.1 | 9.2 | 9.3 | <p><a href="#">scheppach HL710 Hydraulic Log Splitter Manual</a></p> <p>This document provides operating instructions and safety information for the scheppach HL710 Hydraulic Log Splitter. It covers assembly, operation, maintenance, and troubleshooting.</p>   |
| 1. Einleitung  | 1.1           | 1.2 | 1.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 2. Technische Daten  | 2.1           | 2.2 | 2.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 3. Montage   | 3.1           | 3.2 | 3.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 4. Bedienung   | 4.1           | 4.2 | 4.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 5. Wartung   | 5.1           | 5.2 | 5.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 6. Sicherheit  | 6.1           | 6.2 | 6.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 7. Fehlerbehebung  | 7.1           | 7.2 | 7.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 8. Anhang  | 8.1           | 8.2 | 8.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |
| 9. Index   | 9.1           | 9.2 | 9.3 |     |                     |     |     |     |            |     |     |     |              |     |     |     |            |     |     |     |               |     |     |     |                   |     |     |     |           |     |     |     |          |     |     |     |   |