

Central Machinery sku 61373

Central Machinery 5-Ton Electric Log Splitter User Manual

Model: sku 61373

1. IMPORTANT SAFETY INSTRUCTIONS

Always read and understand all safety warnings and instructions before operating this log splitter. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

1.1 General Safety

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

1.2 Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

1.3 Personal Safety

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and heavy-duty gloves.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.

2. PRODUCT OVERVIEW

The Central Machinery 5-Ton Electric Log Splitter is designed to efficiently split logs up to 10 inches in diameter. It features a powerful 1.8 HP electric motor and a robust hydraulic system to deliver 5 tons of splitting force. The integrated wheel kit and easy-grip handle ensure convenient transport and storage.



Figure 2.1: Overview of the Central Machinery 5-Ton Electric Log Splitter. This image shows the complete log splitter assembly, highlighting its red and black frame, electric motor, hydraulic pump, splitting wedge, log tray, control handle, and transport wheels. The robust construction is visible, designed for efficient log splitting.

2.1 Key Components

- **Splitting Wedge:** The hardened steel wedge that forces into the log.
- **Log Tray:** Supports the log during the splitting process.
- **Hydraulic Ram:** The moving part that pushes the log against the wedge.
- **Electric Motor:** Powers the hydraulic pump.
- **Control Handle:** Activates the hydraulic ram.
- **Transport Wheels:** For easy mobility of the unit.

3. SETUP

3.1 Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect the log splitter for any signs of damage during shipping. Do not operate if damaged.
3. Ensure all parts listed in the packing list are present.

3.2 Assembly

The log splitter comes largely pre-assembled. Minor assembly may be required for the transport wheels and handle.

- Attach the 6-inch transport wheels to the axle using the provided hardware. Ensure they are securely fastened.
- Secure the easy-grip handle to the designated mounting points.

3.3 Placement and Electrical Connection

- Place the log splitter on a firm, level surface. Ensure adequate space around the unit for safe operation and log handling.
- Connect the log splitter to a grounded electrical outlet. Ensure the power supply matches the specifications of the unit (12 Amps, 1.8 HP motor). Use a heavy-duty extension cord if necessary, rated for outdoor use and appropriate amperage.

4. OPERATING INSTRUCTIONS

4.1 Pre-Operation Checks

- Verify all fasteners are tight.
- Check hydraulic fluid level. Refer to the maintenance section for details.
- Ensure the work area is clear of debris and bystanders.

4.2 Loading Logs

- Place the log firmly on the log tray against the splitting wedge.
- Ensure the log is centered and stable. Do not attempt to split logs larger than 10 inches in diameter.
- Never hold the log with your hands while operating the splitter.

4.3 Splitting Process

1. With the log properly positioned, firmly grasp the control handle.
2. Push the control handle to activate the hydraulic ram. The ram will extend, pushing the log against the wedge.
3. Once the log is split, release the control handle. The ram will retract automatically.
4. Remove the split wood from the log tray.

4.4 Post-Operation

- Disconnect the power cord from the outlet.
- Clean the log splitter of any wood chips or debris.
- Store the unit in a dry, secure location.

5. MAINTENANCE

5.1 Cleaning

- After each use, clean the log splitter to remove wood chips, sawdust, and dirt.
- Use a dry cloth or brush. Do not use water or solvents directly on electrical components.

5.2 Hydraulic Fluid Check

- Regularly check the hydraulic fluid level. Refer to the fluid reservoir cap for the correct level indicator.
- Top up with recommended hydraulic fluid if necessary. Consult the manufacturer's guidelines for fluid type.

5.3 Wedge Inspection

- Periodically inspect the splitting wedge for sharpness and damage.
- If the wedge becomes dull, it can be sharpened with a file or grinder. Ensure the original angle is maintained.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Motor does not start	No power supply; Faulty switch; Motor issue	Check power connection and circuit breaker; Contact qualified technician
Ram does not extend or retract	Low hydraulic fluid; Air in hydraulic system; Control handle not fully engaged	Check and fill hydraulic fluid; Bleed air from system (refer to specific instructions); Ensure handle is fully depressed
Log not splitting effectively	Dull wedge; Log too large or hard; Insufficient pressure	Sharpen wedge; Ensure log is within specifications; Check hydraulic system for leaks

7. SPECIFICATIONS

- **Model:** sku 61373
- **Brand:** Central Machinery
- **Splitting Force:** 5 tons
- **Motor:** 1.8 HP Electric
- **Amperage:** 12 Amps
- **Maximum Log Diameter:** 10 inches
- **Wheels:** 6 inches for easy transport

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Central Machinery 5-Ton Electric Log Splitter, please refer to the purchase documentation or contact Central Machinery customer service directly. Keep your proof of purchase for any warranty claims.

For further assistance, please visit the official Central Machinery website or contact their support line.