

SAFETY/RISK/HAZARD ASSESSMENT

PLANT INFORMATION

NHG Ref/Part No.

Plant ID: LOGSPLIT

Plant Name: Log Splitter

Potential Noise Level in Db: 85Db to less than 95Db

Required hearing protection class: 2

Operator Competency: Plant Licence Not Required

It is the hirer's responsibility to ensure that all operators are competent.

Please refer to the User Guide and Operators Manual for detailed Operating Instructions



Protective
equipment
must be worn
when operating
this machine



RISK ASSESSMENT INFORMATION

Potential Hazard(s)

Injury due to contact with moving parts

Risk Level Medium/High

Control Measures

- Never use the log splitter for any other purpose than splitting wood.
- Never attempt to split wood across the grain as some types of wood may burst or eject from the machine.
- Never attempt to load the log splitter while the wedge is in motion.
- Always wear appropriate protective clothing/equipment, including eye & ear protection and non-slip safety footwear.
- Ensure hair, jewellery, hands, feet and loose clothing are kept clear from moving parts.
- Do not remove guards or covers.
- Never operate the log splitter without the lynch pin fitted to the locating pin.
- Never climb over or straddle machine while engine is running.
- Keep all non-essential persons, including children, away from equipment while in operation. Debris can be ejected as far as 20 feet.
- Always ensure persons are clear of the splitter before activating the control. It is recommended that only one person operate and load the splitter.
- Only operate on level ground and chock the wheels to prevent movement.
- When loading, place hands on the sides of the timber, never top and bottom, and keep fingers clear of cracks that open in the wood during splitting as they can close quickly and pinch or amputate fingers.
- Never activate log splitter with anything other than your hand. Use of any extension device such as your foot, rope, etc., as this could affect your ability to stop the machine quickly in the case of an emergency.
- Never operate while under the influence of alcohol, drugs, medication or fatigue.
- Never operate log splitter while attached to a vehicle.
- Safe footing is essential. Do not operate on muddy, icy or slippery surfaces.
- Only split one piece of timber at a time.
- Never leave log splitter unattended while motor is running, even for short periods.
- Remove cut pieces of wood from around the splitter to avoid trip hazards.

Crush Injury

Risk Level	Medium
Control Measures	Do not attempt to move log splitter over hilly or uneven terrain without a tow vehicle, or multiple persons to assist. Never place hands, feet or other body parts between log and splitting wedge, or between log and end plate during forward or reverse stroke. Do not attempt to remove a jammed log while the wedge is in motion.

Explosion or fire from fuel vapours

Risk Level	Medium
Control Measures	Stop engine before refuelling. Do not refuel while hot. Avoid spillage of fuel when refuelling. Ensure the fuel cap is properly secured after refuelling. Carry out visual checks for fuel leaks and repair before operation. Keep flammables away from the engine. Do not smoke while operating, servicing or refuelling this machine.

Injury or ill health due to exposure to exhaust or fuel fumes

Risk Level	Medium
Control Measures	Do not operate in confined space. Use in well ventilated area, preferably with fume extraction ventilation. Avoid breathing or coming into contact with fuel.

Exposure to ultraviolet radiation if working outdoors

Risk Level	Medium
Control Measures	Wear sunscreen, hat, long sleeves and long pants.

Burn hazard

Risk Level	Medium/Low
Control Measures	Wear protective clothing during operation. Avoid contact with hot components.

Hearing Damage

Risk Level	Medium/Low
Control Measures	Hearing protection with a rating of 2 or more must be worn. Note warning label on unit.

KEY OPERATING INSTRUCTIONS

BEFORE OPERATING THIS MACHINE ENSURE YOU ARE FAMILIAR WITH ITS OPERATION AND THE EMERGENCY SHUT DOWN PROCEDURE.

STARTING THE ENGINE

1. Check fuel and oil level.
2. Turn the ignition switch to ON
3. Slide the fuel valve to ON
4. For cold start, close the choke lever. Do not use the choke if the engine is warm or the air temperature high.
5. Open the throttle slightly by moving the lever towards the fast position
6. Pull the starter grip slowly until you feel it engage - then give it a brisk strong pull - do not pull out the starter rope all the way.
7. If engine does not start, repeat step 6.
8. Once the engine is warm and running smoothly, disengage the choke

OPERATION

1. The splitter can be operated in either vertical or horizontal position.
The vertical position is ideal for splitting large logs as it does not require the log to be lifted.
The horizontal position is suited to splitting smaller logs which are light enough to be lifted onto the beam
The splitting mechanism pivots as an assembly on a shaft located at the rear of the splitter drawbar.
The beam is locked in place by a locating pin, attached to the flange of the beam that engages in a hole in the splitter frame and is secured by a removable Lynch pin that passes through a hole in the locating pin.
2. Place the wood onto the work beam with one end against the footplate of the beam. For uneven timbers, ensure the end of the log which will be forced against the footplate is as square as possible.
3. Push the wedge control lever to SPLIT
4. When the log has been split or the wedge reaches the end of its stroke, move the control lever to the RETURN position.

SWITCHING OFF ENGINE

1. Turn ignition to OFF.
2. Turn Fuel OFF.
3. Ensure splitter is in horizontal position and locked in place before towing.

**Please refer to the User Guide and Operators Manual
for detailed Operating Instructions**

The safety information contained in this assessment is general information only and should not be relied upon as a substitute for professional advice or tuition, which the hirer should seek before operating.