

**ROTARY HOE**

# SAFETY/RISK/HAZARD ASSESSMENT

## PLANT INFORMATION

NHG Ref/Part No.

Plant ID: ROTHOE1

Plant Name: Redroo Rotary Hoe

Potential Noise Level in Db: 105db to less than 110db

Required hearing protection class: 4

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 from contact with moving parts

Risk Level	High
Control Measures	<p>Keep body parts away from moving parts and ensure all operators are wearing protective equipment such as boots, eye and ear protection.</p> <p>All users should familiarise themselves with the safe operation and emergency shutdown procedures of the equipment.</p> <p>Exclude non-essential persons from work area (minimum of 6m).</p> <p>Be alert for rocks and other obstruction which may be ejected from the work area at high speed.</p> <p>Inspect equipment before operation to ensure connections &amp; assembly are firmly positioned.</p> <p>Never leave unattended while engine is running.</p> <p>Do not allow persons to sit or ride on machine.</p> <p>Do not use if under the influence of alcohol, drugs, medication or fatigue.</p>

#### Injury or death from electrocution

Risk Level	Medium
Control Measures	<p>Use extreme caution when operating in the vicinity of underground utilities.</p> <p>DIAL BEFORE YOU DIG to determine location of underground cables, conduit and pipelines.</p>

#### Hearing Damage

Risk Level	Medium/High
Control Measures	Hearing protection must be worn. Note warning label on unit.

#### 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. Never operate the engine with heat shields removed.

**Manual handling hazard**

Risk Level                      Medium

Control Measures              Take care when transporting.

Two people are required to lift and transport the machine.

## KEY OPERATING INSTRUCTIONS

### STARTING THE ENGINE

1. Ensure all clutch controls are in the 'disengaged' position
2. Turn the both the fuel valve and operation switch to ON
3. Move the throttle control lever to the choke position
4. If the machine is equipped with a fuel primer, push bulb several times to prime
5. Move the throttle speed lever to the RUN or FAST position
6. Firmly hold the handle of the starter rope, pull the starter cord slowly until resistance is felt, then pull rapidly.
7. If the engine does not start, repeat the above step until the engine fires.
8. Once the engine starts immediately turn the throttle lever (choke) to Run

### OPERATION

1. Engage the wheel drive and then engage engine clutch by lifting up on handle to move machine to work area. Use engine clutch to start and stop while rotary hoeing.
2. Adjust depth height using the control bar at the rear of the machine. The higher the bar, the deeper the dig. It is recommended to begin in the centre position to determine depth, then move up or down as desired.
3. Where the ground is extremely hard, if possible, soak the area with water and allow to sit overnight.
4. When in position, disengage engine clutch lever (the hoe will stop)
5. Engage the rotor shift lever.
6. Unlock retaining hook and pull lever away from machine.
7. Lift the engine clutch lever. The hoe will start to move forward and the blades will turn.
8. Where ground is extremely hard, reduce engine speed.
9. Maintain control by ensuring contact (using both hands) with the hoe at all times

### EMERGENCY STOP

Disengage the safety clutch lever, then press the 'STOP' button located on the engine

### STOPPING THE ENGINE

1. Move the throttle speed lever to the slow position
2. Shut the fuel valve
3. Turn the operation switch to OFF

**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.*