

### PLANT INFORMATION

**PSA Ref #:** 00280  
**Model No:** 3D180H  
**Plant Name:** CROMMELINS HIRE PACK WELDER 3D180H  
**Manufacturer:** Crommelins Machinery WA  
**Manufacturer's Website:** [www.crommelins.com.au](http://www.crommelins.com.au)  
**Web Link for Plant:** [www.crommelins.com.au](http://www.crommelins.com.au)  
**Potential noise level in dB:** 95 to less than 100  
**Required hearing protection class:** 3  
**Mandatory Personal Protective Equipment:**



### RISK ASSESSMENT INFORMATION

**Operator Competency:** Plant Licence Not Required

Potential Hazard(s)	Risk Level	Control Measure(s)
Explosion or fire from fuel vapours.	Medium	<ul style="list-style-type: none"> <li>Stop the 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.</li> </ul>
Exposure to ultraviolet radiation if working outdoors.	Medium	<ul style="list-style-type: none"> <li>Wear sunscreen, hat, long sleeves and long trousers.</li> </ul>
Eye damage from welding flash.	Medium/Low	<ul style="list-style-type: none"> <li>Appropriate welding mask or goggles must be worn during operation.</li> </ul>
Injury or ill health due to exposure to welding fumes.	Medium/Low	<ul style="list-style-type: none"> <li>Use in a well ventilated area, preferably with fume extraction ventilation.</li> </ul>
Inhaling exhaust or fuel fumes.	Medium/Low	<ul style="list-style-type: none"> <li>Only operate in a well ventilated area. Do not operate in a confined space. Avoid breathing diesel fumes. Avoid skin contact with fuel.</li> </ul>
Manual handling hazard.	Medium/Low	<ul style="list-style-type: none"> <li>These units require a multiple lift. Do not attempt a single person lift. Use correct lifting techniques. Use the lifting bar provided for a mechanical lift.</li> </ul>

Coming into contact with hot parts of the engine.	Medium/Low	<ul style="list-style-type: none"> <li>The muffler is fitted with a heat shield. Let the engine cool down before attempting any maintenance. Avoid contact with hot components.</li> </ul>
Hearing damage from excessive noise.	Low	<ul style="list-style-type: none"> <li>Hearing protection with a rating of 15db must be worn.</li> </ul>
Burns from handling hot material or welding sparks.	Low	<ul style="list-style-type: none"> <li>Welding gloves and protective clothing must be worn during operation.</li> </ul>
Coming into contact with moving parts.	Low	<ul style="list-style-type: none"> <li>All moving parts are protected. Do not remove guards or covers.</li> </ul>
Risk of electric shock.	Low	<ul style="list-style-type: none"> <li>The unit is fitted with an electrical safety switch. Ensure testing of the safety switch is carried out before each use. Press the test button to check. Do not operate in contact with water. Do not operate with faulty leads or equipment.</li> <li>Ensure equipment is tested/tagged for compliance with electrical safety testing requirements.</li> </ul>

**Customer Identified Hazard(s)**

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**Key Operating Instructions**

Use diesel fuel only.  
 To start, turn on the fuel tap by moving the lever to the down position.  
 Ensure the engine throttle lever is in the ON position. (Fast)  
 Turn the selector switch to the desired position, WELDER for welding operation and GENERATOR for power output, then select the range required.  
 Start the engine by pulling the recoil rope.  
 \* The unit is factory set to provide the correct power supply, do not reduce the throttle or adjust the speed setting as this will reduce the output required to power the appliance.  
 Do not overload the unit by attempting to power an appliance beyond the output capabilities of the generator.  
 Use only heavy duty extension and welding leads capable of handling in excess of the ratings of the unit.  
 If the safety switch trips off disconnect the faulty appliance and have it checked.  
 Test the operation of the safety switch before before connecting any appliance.  
 Welding mask, gloves and protective clothing must be worn to prevent burns and eye damage.  
 To stop the unit, return the throttle to the OFF position, and turn off the fuel tap.  
 \*IMPORTANT\* When welding, the frame of the unit must not be in contact with the material being welded, or damage to the wiring will result.  
 Please refer to the User Guide and Operator's Manual for Operating Instructions

The Safety Information on this assessment has been developed for the Hire and Rental Industry to assist in the safe operation of this equipment.

This information contains general information only and should not be relied upon as a substitute for professional advice, which the user should seek before operating.

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