

SAFETY/RISK/HAZARD ASSESSMENT

PLANT INFORMATION

NHG Ref/Part No.	GEN0112
Plant ID:	CAT CRS5269
Plant Name:	Miller Pro 300 12kVA 400 Amp Diesel Generator – Welder
Potential Noise Level in Db:	95 to less than 100
Required hearing protection class:	3
Operator Competency:	Plant Licence Not Required



Protective
equipment
must be worn
when operating
this machine



RISK ASSESSMENT INFORMATION

Potential Hazard(s)

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.

Exposure to ultraviolet radiation if working outdoors

Risk Level Medium

Control Measures Wear sunscreen, hat, long sleeves and long pants.

Manual handling hazard

Risk Level Medium/Low

Control Measures Due to weight, 2 person are required to lift. Use correct lifting techniques. Use the lifting bar provided for mechanical lift.

Eye damage from welding flash

Risk Level Medium

Control Measures Appropriate welding mask or goggles must be worn during operation.

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

Risk Level Medium/Low

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.

Burn hazard

Risk Level	Medium/Low
Control Measures	Wear heat protective gloves, boots and clothing during operation. Avoid contact with hot components. Avoid contact with welds, surrounding areas and welding sparks. Allow engine to cool before attempting any maintenance (the muffler is fitted with a heat shield).

Manual Handling Hazard

Risk Level	Medium/Low
Control Measures	Due to weight, 2 person are required to lift. Use correct lifting techniques. Use the lifting bar provided for mechanical lift.

Hearing Damage

Risk Level	Low
Control Measures	Hearing protection with a rating of 15Db must be worn.

Injury from contact with moving parts

Risk Level	Low
Control Measures	All moving parts are protected. Do not remove guards or covers.

Risk of electric shock

Risk Level	Low
Control Measures	This 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 near or in contact with water. Do not operate on faulty leads or equipment. Ensure equipment is tested & tagged for compliance with electrical safety testing requirements.

Engine seizure/Fuel spillage

Risk Level	Low
Control Measures	Do not use on inclines of more than 20 degrees. Ensure equipment is operated on a stable, level surface. If equipment is operated on a slope, engine seizure may occur due to improper lubrication, even with max. oil level and functioning oil protection system.

KEY OPERATING INSTRUCTIONS

1. Use **DIESEL** fuel only.
2. To start unit:
 - a) Turn the fuel lever to the ON position
 - b) Ensure engine stop switch is in the ON position
For cold starting use the choke lever
 - c) Turn the selector switch to the desired position:
WELDER for welding operation
GENERATOR for power output

Then select the range required
 - d) Start the engine by pulling the recoil rope with throttle in low speed position
 - e) As the engine warms up, return the choke lever to the open position
3. To commence operation, open the throttle to the full factory set speed

NOTE: The unit is factory set to provide correct power supply. Do not reduce the throttle or adjust the speed setting as this will reduce the output required to power the appliance.
4. Do not overload the unit by attempting to power an appliance beyond the output capabilities of the generator
5. 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
6. Test the operation of the safety switch before connecting any appliance
7. Ensure protective clothing, welding mask and gloves are worn
8. To stop unit:
 - a) Return the throttle to low speed, turn the stop switch to OFF
 - b) Turn fuel lever to OFF position

IMPORTANT INFORMATION

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 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.

