

SAFETY/RISK/HAZARD ASSESSMENT

PLANT INFORMATION

NHG Ref/Part No.	PUMMP56
Plant ID:	GX160
Plant Name:	Honda GX160 5.5hp 75mm Petrol Pump Trash
Potential Noise Level in Db:	80 to less than 105
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	Handles are attached on the plant to assist with lifting. Due to weight, 2 person are required to lift. Use correct lifting techniques. Use the lifting frame provided for mechanical lift.

Injury or ill health due to exposure to 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 protective clothing during operation. Avoid contact with hot components. Allow engine to cool before attempting any maintenance (the muffler is fitted with a heat shield). Note warning label on engine.

Hearing Damage

Risk Level Medium/Low

Control Measures Hearing protection with a rating of 20Db must be worn. Note warning label on unit.

Injury from contact with moving parts

Risk Level Medium/Low

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

Injury or equipment fault resulting from use on incline

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 tilted while in operation, engine seizure may occur due to improper lubrication, even with max. oil level and functioning oil protection system. Fuel spillage may also occur.

Entrapment

Risk Level Low

Control Measures The operator should ensure no loose clothing. Do not operate in the vicinity of items likely to cause entanglement.

KEY OPERATING INSTRUCTIONS

1. Use **UNLEADED** fuel only.
2. **Connect Suction Hose**
Use a reinforced wall or wire braided hose to prevent suction collapse. Since the pump self-priming time is directly proportional to hose length, a short hose is recommended.
Always use a strainer with the suction hose as this will prevent large pieces of gravel or debris being sucked into the pump which may cause serious damage to the impeller and pump casing.
3. **Connect Delivery Hose**
When using a fabric hose, always use a hose band to prevent the hose disconnecting under high pressure.
4. **Check Priming Water**

It is recommended that the water chamber of the pump casing be primed full of water before operating.

Always ensure end of suction hose is fully submerged in water before starting engine.

5. To start unit:

- a) Turn the fuel lever to the ON position
- b) Set the speed control lever at the START position (High Speed)
- c) Recoil start – pull the starter handle slowly until passing the compression point (resistance will be felt), then return the handle to its original position and pull briskly. Do not pull the rope all the way. After engine starts, allow the starter handle to return to its original position while still holding the handle.

Electric start – Turn key to start. After the engine starts, warm up the engine without load for 2-3 minutes.

For cold starting use the choke lever

6. To run:

After engine starts, set the speed control lever at the low speed position and allow the engine to warm without load for a few minutes. Once warm, gradually move speed control lever towards the high speed position and set at the required engine speed.

7. Ensure protective clothing is worn

8. To stop unit:

- a) Return the speed control lever to low speed and allow the engine to run at low speed for 2 or 3 minutes before turning off.
- b) Turn fuel lever to OFF position

**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.