

# 1. SAFETY PRECAUTIONS

Please make sure you review each precaution carefully.  
Pay special attention to statement preceded by the following words.

**⚠ WARNING** "WARNING" indicates a strong possibility of severe personal injury or loss of life if instructions are not followed.

**⚠ CAUTION** "CAUTION" indicates a possibility of personal injury or equipment damage if instructions are not followed.

## ⚠ WARNING : EXHAUST PRECAUTIONS

- Never inhale exhaust gasses.  
They contain carbon monoxide, a colorless, odorless and extremely dangerous gas which can cause unconsciousness or death.
- Never operate the pump indoors or in a poorly ventilated area, such as tunnel, cave, etc.
- Exercise extreme care when operating the pump near people or animals.
- Keep the exhaust pipe free of foreign objects.



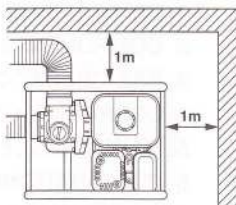
## ⚠ WARNING : REFUELING PRECAUTIONS

- Gasoline is extremely flammable and its vapors can explode if ignited.
- Do not refuel indoors or in a poorly ventilated area.
- Be sure to stop the pump prior to refueling.
- Do not remove fuel tank cap nor fill fuel tank while engine is hot or running.  
Allow engine to cool at least 2 minutes before refueling.
- Do not overfill the fuel tank.
- If fuel is spilt, wipe it away carefully and wait until the fuel has dried before starting the engine.
- After refueling, make sure that the fuel cap is secured to prevent spillage.



## ⚠ WARNING : FIRE PREVENTION

- Do not operate the pump while smoking or near an open flame.
- Do not use around dry brush, twigs, cloth rags, or other flammable materials.
- Keep cooling air intake (recoil starter area) and muffler side of the engine at least 1 meter (3 feet) away from buildings, obstructions and other burnable objects.
- Keep the pump away from flammables and other hazardous materials (trash, rags, lubricants, explosives).



## ⚠ WARNING : OTHER SAFETY PRECAUTIONS

- Be careful of hot parts.  
The muffler and other engine parts become very hot while the pump is running or just after it has stopped. Operate the pump in a safe area and keep children away from the running pump.
- Do not use diaphragm pump for the mixture of water and oil.

- Do not touch the spark plug and ignition cable when starting and operating the engine.
- Operate the pump on a stable, level surface.  
If the engine is tilted, fuel spillage may result.

#### NOTE

Operating the pump at a steep incline may cause seizure due to improper lubrication even with a maximum oil level.



- Do not transport the pump with fuel in tank or with fuel strainer cock open.
- Keep the unit dry (do not operate it in rainy conditions).

#### ⚠ CAUTION : PRE-OPERATION CHECKS

- Carefully check fuel hoses and joints for looseness and fuel leakage. Leaked fuel creates a potentially dangerous situation.
- Check bolts and nuts for looseness. A loose bolt or nut may cause serious engine trouble.
- Check the engine oil and refill if necessary.
- Check the fuel level and refill if necessary. Take care not to overfill the tank.
- Keep cylinder fins and recoil starter free of dirt, grass and other debris.
- Wear snug fitting working clothes when operating the engine.  
Loose aprons, towels, belt, etc., may be caught in the engine or drive train, causing a dangerous situation.



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