ToolShed TSG7 Generator 2.8kVA User Manual

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Contents

DIMENSION INSTRUCTION

Note:
This manual is only for your reference. Due to the continuous improvement of the ToolShed products, changes may be made at any time without obligation or notice.

Warranty
This product may be covered under The ToolShed warranty. For more information, see our Terms & Conditions at www.thetoolshed.co.n

SPECIFICATIONS

Output: 2.5Kva running / 2.8Kva peak
Decibels: 68 at a distance of 8m
Weight: 40kg (dry)
Dimensions: 600mm x 440mm x 440mm

SAFETY GUIDELINES

WARNING

READ ALL SAFETY WARNINGS & INSTRUCTIONS. Failure to follow instructions and warnings could lead to serious injury, electric shock, or fire.

Work Area Safety

- **Ensure that your work area is kept well lit and clean.** Lack of visibility and clutter greatly increase the risk of accident.
- **Keep bystanders and children clear when operating a power tool or machine**. They can cause distraction or risk injury themselves.
- **Ensure you are not operating the power tool or machinery in the presence of flammable gases, dust, liquids, or anything that creates an explosive atmosphere.** Power tools and machinery can create sparks which can lead to ignition in these environments. Personal Safety
- **Always wear personal protective equipment**. Eye protection, ear protection, dust masks, and other protective equipment will help to reduce the risk of personal injury.

- **Dress appropriately.** DO NOT wear or loose clothing that can get caught in moving parts. Keep hair, loose clothing, jewelery, and anything else that could be.
- of risk away from moving parts or they could be caught.
- Always remain alert and DO NOT operate the power tool or machinery under the influence of any substances (drugs, medications, alcohol). Losing focus could lead to injury while operating power tools and machinery.
- Always keep proper footing and balance. Overreaching can lead to slipping and falling which can result in injury.
- **Ensure the power switch is in the off position before connecting any batter or power source to the power tool or machinery**. This can lead to accidents as tools and machinery can suddenly fire when it is not expected, leading to accident.
- **Use all provided dust collection and extraction attachments if included.** This, with the use of dust masks, can help keep you safe from dust and keep your work site clear while working.
- Ensure loose parts such as a wrench or adjusting key are removed before starting the power tool or machinery. Failure to remove these can result in serious injury

When Starting the Engine

- DO NOT attempt to start a damaged engine.
- Make certain that the gasoline cap, air filter, spark plug, fuel lines, and exhaust system are properly in place. – Allow spilled gasoline to evaporate fully before attempting to start the engine.
- Make certain that the water pump is resting firmly on level ground. Spark from a removed spark plug wire can result in fire or electrical shock.

SAFETY GUIDELINES

When Starting the Generator

- DO NOT attempt to start a damaged generator.
- Make certain that the gas cap, air filter, spark plug, fuel lines, and exhaust system are properly in place.
- Allow spilled fuel to evaporate fully before attempting to start the engine.
- Make certain that the generator is resting firmly on level ground. When Operating the Generator
- DO NOT move or tip the generator during operation.
- DO NOT tip the generator or allow fuel or oil to spill.

When Transporting or Servicing the Generator

- Make certain that the fuel shut off valve is in the off position and the fuel tank is empty.
- Disconnect the spark plug wire. When storing the generator: Store away from sparks, open flames, pilot lights, heat, and other sources of ignition.

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 **WARNING**

Rapid retraction of the starter cord will pull hand and arm towards the engine faster than you can let go. Unintentional startup can result in entanglement, amputation, or laceration. Broken bones, fractures, bruises, or sprains could result.

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 **WARNING**

Rapid retraction of the starter cord will pull hand and arm towards the engine faster than you can let go. Unintentional startup can result in entanglement, amputation, or laceration. Broken bones, fractures, bruises, or sprains could result.

When starting the engine, pull the starter cord slowly until resistance is felt and then pull rapidly to avoid kickback.

DO NOT start or stop the engine with electrical devices plugged in.

 **WARNING:** Operation of this equipment may create sparks that can start fires around dry vegetation.

A spark arrestor may be required. The operator should contact local fire agencies for laws or regulations relating to fire prevention requirements

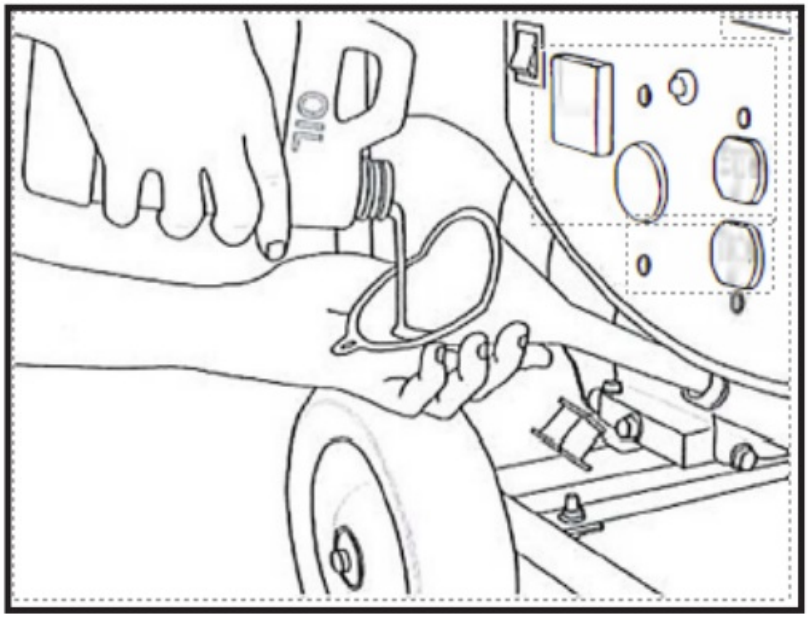
ASSEMBLY

 **CAUTION**

DO NOT attempt to crank or start the engine before it has been properly filled with the recommended type and amount of oil. Damage to the generator as a result of failure to follow these instructions will void your warranty.

Add Engine Oil

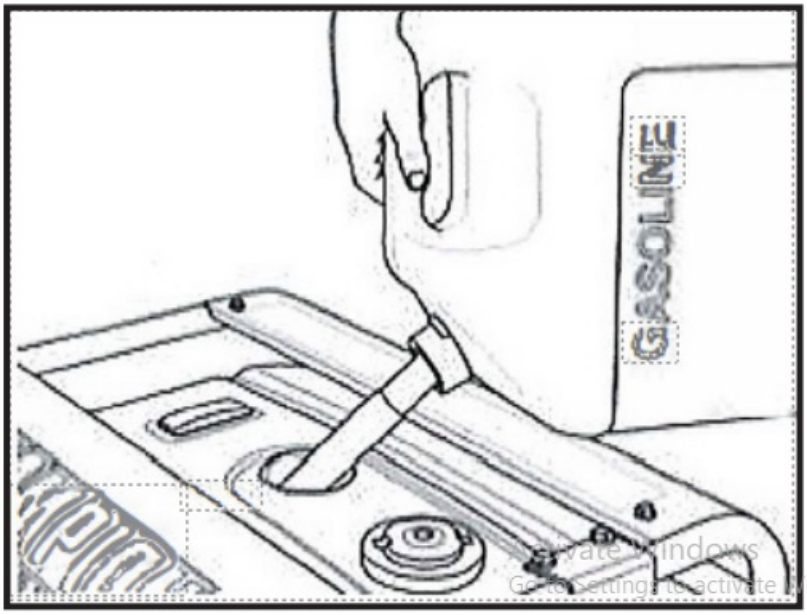
1. Place the generator on a flat, level surface.
2. Remove oil fill cap/dipstick to add oil.



3. Add 1.1L of oil and replace the oil fill cap/dipstick.
4. Check engine oil level daily and add as needed

Add Fuel

1. Use clean, fresh, regular unleaded fuel with a minimum octane rating of 85.
2. DO NOT mix oil with fuel.
3. Clean the area around the fuel cap.
4. Remove the fuel cap.
5. Slowly add fuel to the tank. DO NOT overfill. Allow approximately 1/4 inch of space for fuel expansion.



6. Screw on the fuel cap and wipe away any spilled fuel.

NOTE: The generator rotor has a sealed, pre-lubricated ball bearing that requires no additional lubrication for the life of the bearing.

OPERATION

NOTE

Connecting a generator to your electric utility company's power lines or to another power source may be against the law. In addition this action, if done incorrectly, could damage your generatorand appliances and could cause serious injury or even death to you or a utility worker who may be working on nearby power lines. If you plan to run a portable electric generator during an outage, please notify your electric utility company immediately and remember to plug your appliances directly into the generator. Do not plug the generator into any electrical outlet in your home. Doing so could create a connection to the utility company power lines. You are responsible for ensuring that your generator's electricity does not feed back into the electric utility's power lines.

If the generator will be connected to a building electrical system, consult your local utility company or a qualified electrician.

Stopping the Engine

1. Turn off and unplug all electrical loads. Never start or stop the generator with electrical devices plugged in or turned on.
2. Let the generator run at no-load for several minutes to stabilize the internal temperatures of the engine and generator.
3. Turn the ignition switch to the "OFF" position.
4. Turn the fuel valve to the "OFF" position.

Avoiding Generator Overload

Follow these simple steps to calculate the running and starting watts necessary for your purposes.

1. Select the electrical devices you plan on running at the same time.
2. Total the running watts of these items. This is the amount of power you need to keep your items running.
3. Identify the highest starting wattage of all devices identified in step 1. Add this number to the number calculated in step 2. Surge wattage is the extra burst of power needed to start some electric driven equipment. Following the steps listed under "Power Management" will guarantee that only one device will be starting at a time.

Wattage Reference Chart

Use the chart to determine approximate wattage requirements for your equipment.

Job Site		
Belt Sander 3”	1000	1500
Bench Grinder 6”	700	1500
Circular Saw	1500	1500
Compressor 1/12hp	2500	2500
Edge Trimmer	500	500
Hand Drill 1/2”	1000	1000
Lawn Mower	1200	1800
Paint Sprayer	600	1200
Table Saw	2000	2000

MAINTENANCE

Cleaning

 **CAUTION:** DO NOT spray engine with water. Water can contaminate the fuel system

- Use a damp cloth to clean exterior surfaces of the engine.
- Use a soft bristle brush to remove dirt and oil.
- Use an air compressor (25PSI) to clear dirt and debris from the engine.

Adjustments

The air-fuel mixture is not adjustable. Tampering with the governor can damage your generator and your electrical devices and will void your warranty.

Generator Maintenance

- Use a damp cloth to clean exterior surfaces of the generator.
- Use a soft bristle brush to remove dirt and oil.
- Use an air compressor (25PSI) to clean dirt and debris from the generator.
- Inspect all air vents and cooling slots to ensure that they are clean and unobstructed.

Maintenance Schedule

Service your generator more frequently
when operating in adverse conditions.

Every 8 hours or daily
Check oil level
Clean around air intake and muffler

First 5 hours
Change oil

Every 50 hours or every season
Clean air filter
Change oil if operating under heavy load
or in hot environments

Every 100 hours or every season
Change oil
Clean / adjust spark plug
Check / adjust valve clearance
Clean spark arrester
Clean fuel tank and filter

Every 3 years
Replace fuel line

STORAGE

Storage
The generator should be started at least once every 14 days and allowed to run for at least 20 minutes. For longer term storage, please follow these guidelines.

Engine Storage

1. Allow the engine to cool completely before storage.
2. Clean the engine according to the instructions in the Maintenance section.
3. Drain all fuel completely from the fuel line and carburetor to prevent gum from forming.
4. Add a fuel stabilizer into the fuel tank.
5. Change the oil.
6. Remove the spark plug and pour about 14ml of oil into the cylinder. Crank the engine slowly to distribute the oil and lubricate the cylinder.
7. Reattach the spark

Generator Storage

1. Allow the generator to cool completely before storage.
2. Turn off the fuel supply at the fuel valve.
3. Clean the generator according to the instructions in the Maintenance section.
4. Store the unit in a clean, dry area out of direct sunlight.

Documents / Resources

	ToolShed TSG7 Generator 2.8kVA [pdf] User Manual TSG7 Generator 2.8kVA, TSG7, Generator 2.8kVA

References

- The ToolShed - NZ | Power Tools | Hand Tools | Air Tools
- User Manual