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GIANTZ ATV 100L Weed Sprayer (B07F6YVNKM)

GIANTZ ATV 100L Weed Sprayer User Manual

Model: ATV 100L Weed Sprayer (ASIN: B07F6YVNKM)

Brand: GIANTZ

INTRODUCTION

This user manual provides essential information for the safe and efficient operation, assembly, maintenance, and troubleshooting of your GIANTZ ATV 100L Weed Sprayer. Please read this manual thoroughly before operating the unit and retain it for future reference.



Figure 1: Overview of the GIANTZ ATV 100L Weed Sprayer with trailer and boom.

SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the equipment:

- Read and understand all instructions before use.
- Wear appropriate personal protective equipment (PPE), including eye protection, gloves, and protective clothing, when handling chemicals and operating the sprayer.
- Ensure the sprayer is securely attached to the ATV or towing vehicle before operation.
- Do not exceed the maximum operating pressure of 100 PSI.
- Use only chemicals approved for spraying and follow all chemical manufacturer's instructions and safety data sheets (SDS).
- Keep children and pets away from the spraying area.
- Disconnect power before performing any maintenance or cleaning.
- Do not spray near open flames or ignition sources.
- Ensure adequate ventilation when mixing or spraying chemicals.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- 100L Tank with Pump x 1
- 3m Boom x 1
- Frame Set x 1
- Spray Tube x 1 (Adjustable between 80cm and 127cm, with 3 different nozzles)
- Trailer x 1 (150kg capacity)
- Power cord with battery clamps (3m) x 1
- Hose length: 6m high pressure chemical grade hose x 1
- User Manual x 1
- Additional accessories as shown in Figure 2.



Figure 2: Included accessories such as hoses, spray wand, straps, and power cables.

SETUP AND ASSEMBLY

Assembly is required before first use. While specific step-by-step instructions are not provided, the general process involves assembling the frame, attaching the tank, connecting the pump and hoses, and mounting the boom.

- 1. Assemble the Trailer Frame:** Connect the trailer components as indicated by the design. Ensure all bolts and fasteners are securely tightened.
- 2. Mount the Tank:** Place the 100L tank onto the assembled trailer frame. Secure it using the provided straps or fastening mechanisms.
- 3. Install the Pump:** Attach the 100psi self-priming pump to the designated location on the tank or frame.
- 4. Connect Hoses:**
 - Connect the suction hose from the tank outlet to the pump inlet.
 - Connect the pressure hose from the pump outlet to the boom manifold or handheld spray nozzle connection point.
 - Ensure all connections are tight to prevent leaks.
- 5. Assemble and Attach the Boom:**
 - Assemble the 3m foldable boom sections.
 - Attach the boom to the frame set, ensuring it can be adjusted for height and folded for storage.
 - Connect the boom hose to the boom manifold.
- 6. Connect Power:** Attach the 3m power cord with battery clamps to a 12V power source (e.g., ATV battery). Ensure correct

polarity.

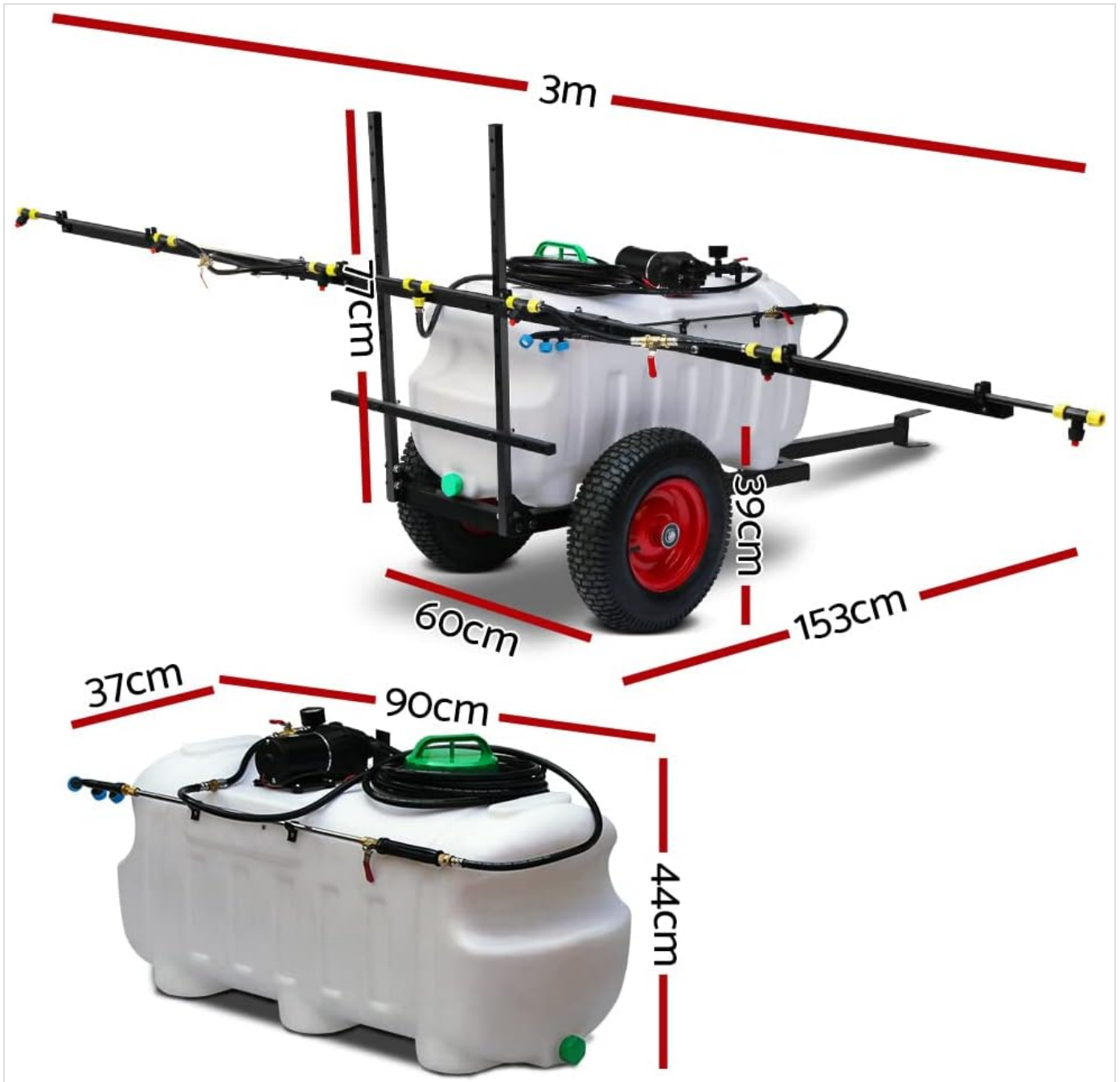


Figure 3: Key dimensions of the sprayer and tank for assembly and storage planning.

OPERATION

The GIANTZ ATV 100L Weed Sprayer offers versatile spraying options:

1. Filling the Tank

- Ensure the tank is clean before filling.
- Mix chemicals according to the manufacturer's instructions.
- Fill the 100L tank with the desired liquid, ensuring not to overfill.
- Securely close the tank lid.

2. Powering On

- Connect the 12V power cord to a suitable battery.

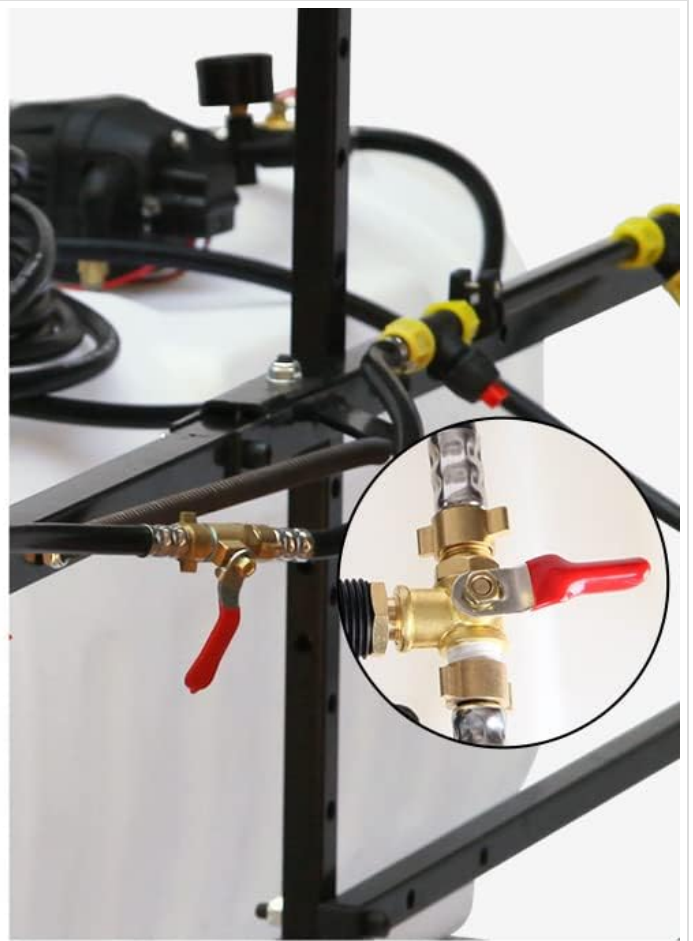
- Turn on the pump switch. The 100psi self-priming pump will begin to operate, delivering a flow rate of 13L/min.
- Monitor the pressure gauge (Figure 4) to ensure optimal operation.



100psi pump

With pressure gauge

Easy monitoring of pressure while using the self-priming pump.



Multi-valves control

Spray rate management

Effective control of preferred spray rate with multi-valves.

Figure 4: The 100psi pump features a pressure gauge for monitoring, and multi-valves allow for effective spray rate management.

3. Selecting Spraying Mode

The sprayer supports four primary spraying modes:



Figure 5: Visual representation of the four available spraying modes.

- **Mounted on Trailer:** The unit is designed to be towed by an ATV or similar vehicle.
- **Low Level Spraying:** Adjust the boom support poles for lower height applications, ideal for ground-level coverage.
- **High Level Spraying:** Adjust the boom support poles for higher height applications, suitable for taller plants or wider coverage.
- **Handheld Spraying:** Disconnect the handheld spray nozzle from the boom system and use it for spot spraying or areas inaccessible by the boom. The adjustable spray tube (80cm to 127cm) and three different nozzles provide versatility.

4. Boom Operation

- The 3m boom features 6 nozzles with adjustable spraying angles. Adjust the nozzles to achieve the desired spray pattern and coverage.
- The boom is foldable for easy transport and storage.



Figure 6: The 3m boom features 6 nozzles, each with an adjustable spraying angle for precise application.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sprayer:

- **Cleaning After Use:**

- After each use, thoroughly rinse the tank, pump, hoses, and nozzles with clean water.
- Run clean water through the system to flush out any chemical residues.
- For certain chemicals, a specific cleaning agent may be required; consult the chemical manufacturer's instructions.

- **Nozzle Maintenance:** Regularly inspect nozzles for blockages or wear. Clean clogged nozzles with a soft brush or compressed air; do not use metal objects that could damage the orifice.

- **Pump Care:** The pump features built-in run-dry protection. However, avoid prolonged dry running. Check pump connections for leaks periodically.

- **Hose Inspection:** Inspect hoses for cracks, kinks, or damage. Replace any damaged hoses immediately to prevent leaks.

- **Storage:**

- Drain all liquid from the tank and system before storing.
- Store the sprayer in a cool, dry, and frost-free location, away from direct sunlight.
- Fold the boom for compact storage.

- **Trailer Maintenance:** Check tire pressure and wheel bearings periodically. Lubricate moving parts as needed.

TROUBLESHOOTING

Refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
Pump not running	No power, loose connection, faulty switch	Check battery connection, ensure switch is ON, inspect wiring.
Low pressure or no spray	Clogged nozzle, kinked hose, low liquid level, air in system, worn pump diaphragm	Clean nozzles, straighten hose, refill tank, prime pump, inspect pump.
Leaks	Loose connections, damaged hose, cracked tank	Tighten fittings, replace damaged hose, repair or replace tank.
Uneven spray pattern	Partially clogged nozzle, incorrect nozzle angle	Clean nozzles, adjust nozzle angle.

If the problem persists after attempting these solutions, please contact customer support.

SPECIFICATIONS

Feature	Detail
Tank Capacity	100 Litres
Pump Type	12V Self-priming Diaphragm Pump with Run-Dry Protection
Maximum Pressure	100 PSI (689 kPa)
Maximum Flow Rate	13 Litres/min (3.4 GPM)
Amp Draw	4.5 Amp (Max. 10A)
Boom Length	3 meters (Foldable, 6 nozzles)
Hose Length	6 meters (High pressure chemical grade)
Power Cord Length	3 meters (with battery clamps)
Adjustable Spray Tube Length	80cm - 127cm
Trailer Capacity	150 kg
Item Weight	35.1 kg
Dimensions (Package)	92 x 51 x 42 cm
Material	UV stable design

WARRANTY AND SUPPORT

This GIANTZ ATV 100L Weed Sprayer comes with a **1-year warranty** from the date of purchase.

For warranty claims, technical support, or any inquiries regarding your product, please contact GIANTZ customer service. Retain your proof of purchase for warranty validation.

You can visit the official GIANTZ store for more information: [GIANTZ Store on Amazon AU](#)

