LANCHEZ JGP110037UINOX

LANCHEZ 1 HP Portable Shallow Well Garden Pump Instruction Manual

Model: JGP110037UINOX

1. Product Overview

The LANCHEZ 1 HP Portable Shallow Well Garden Pump is designed for efficient water transfer and irrigation applications. Featuring a powerful 1 HP motor and durable stainless steel construction, this pump delivers reliable performance for various tasks.

Figure 1: LANCHEZ 1 HP Portable Shallow Well Garden Pump.

Key Features:

- **Powerful Performance:** Equipped with a 1 HP motor, providing a maximum flow rate of 1294 GPH and a maximum lift of 147 feet.
- **Durable Construction:** Features a corrosion-resistant stainless steel pump head for extended product life and easy cleaning.
- **Portable Design:** Includes an easy-to-carry handle for convenient transport.
- **Safety Features:** Built-in thermal overload protection safeguards the motor against overheating.
- **Versatile Application:** Suitable for pressure boosting, small underground sprinkler systems, lawn sprinklers, garden watering, farm irrigation, and general water transfer.

2. Important Safety Information

Read and understand all safety warnings and instructions before operating this pump. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage. Keep this manual for future reference.

General Safety Precautions:

- Always ensure the pump is installed in a clean, dry, and well-ventilated location, protected from freezing temperatures.
- The pump is designed for continuous duty in water removal applications and features full corrosion-resistant and reinforced thermoplastic construction.
- Do not run the pump dry. Running the pump without water can permanently damage the seal and impeller.
- The pump is equipped with thermal overload protection. If the motor temperature exceeds its permissible range, the pump will automatically stop and restart once it cools down, preventing overheating and damage.
- Ensure all electrical connections are secure and meet local codes.

Figure 2: Built-in thermal overload protection for safe operation. Maximum water temperature 95°F (35°C).

3. Setup and Installation

Proper installation is crucial for the pump's performance and longevity. Follow these steps carefully.

Installation Location:

Install the pump in a clean, dry, and ventilated area. Ensure adequate space for servicing and protection from freezing temperatures. The pump should be bolted to a stable foundation, preferably concrete, with adequate drainage.

Connecting Hoses:

The pump features 1-inch NPT inlet and outlet ports. Use appropriate fittings and ensure all connections are watertight to prevent leaks and maintain prime.

Figure 3: Inlet and Outlet ports (1" NPT) for hose connections.

Priming the Pump:

WARNING: Do not run the pump before priming it. Running dry will damage the seal and impeller.

1. Remove the plug from the pump casing or the street tee.
2. Pour clean water into the unit until the casing and suction line are completely filled.
3. Replace the plug securely.

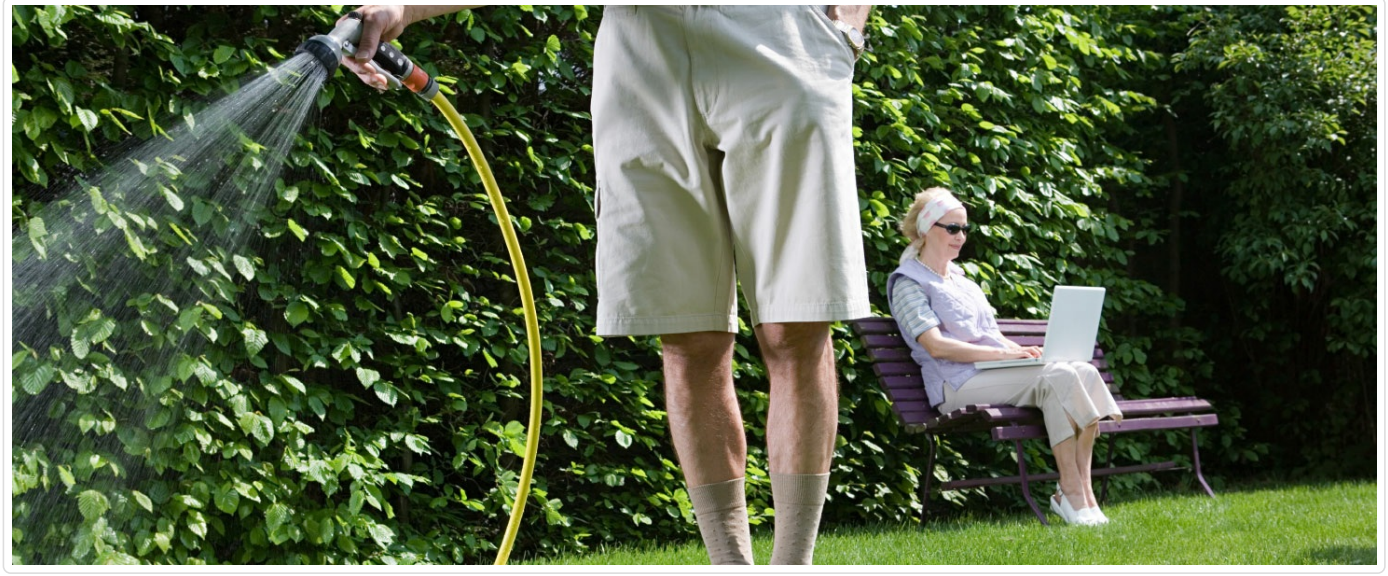

Figure 4: Ensure the pump head and inlet pipe are completely filled with water before operation to prevent damage.

Video: Shallow Well Pump Installation and Priming

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Video 1: This video demonstrates the unboxing, connection of hoses, and the priming process for a shallow well pump, similar to the LANCHEZ model.

4. Operating Instructions

Once the pump is properly installed and primed, you can begin operation.

Starting the Pump:

1. Ensure all connections are tight and the pump is fully primed with water.
2. Connect the pump to a suitable 115V AC power source.
3. Turn on the power switch located on the pump. The pump should start drawing water.

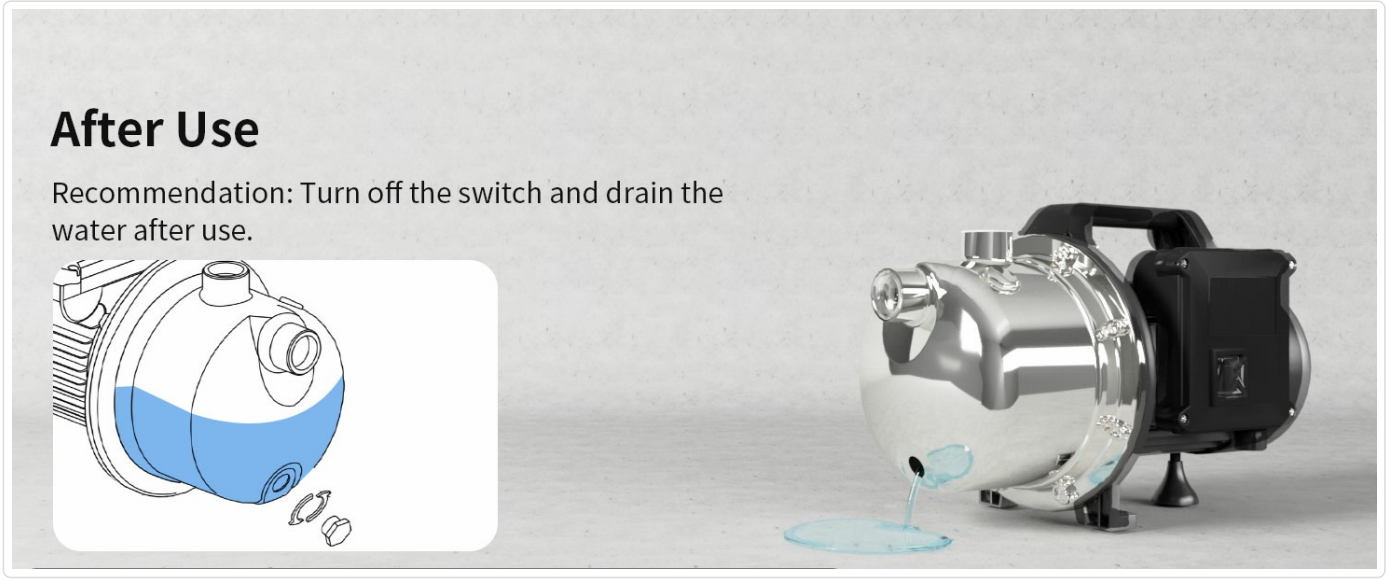


Figure 5: Key components including the ON/OFF switch for easy and safe operation.

Performance Characteristics:

- Maximum Flow Rate: 1294 GPH (21.56 Gallons Per Minute)

- Maximum Lift Height: 147 feet
- Maximum Suction Height: 26 feet
- Maximum Pressure: 62.25 PSI

Figure 6: Visual representation of the pump's working performance, including maximum height and suction capabilities.

Stopping the Pump:

1. Turn off the power switch on the pump.
2. Disconnect the pump from the power source.

5. Maintenance

Regular maintenance ensures optimal performance and extends the life of your pump.

After Each Use:

- Turn off the pump and disconnect it from the power supply.
- Drain any remaining water from the pump casing and hoses, especially before storing in freezing temperatures. This prevents damage from ice expansion.

Figure 7: Always drain water from the pump after use to prevent damage, especially in cold weather.

Periodic Checks:

- Inspect hoses and connections for wear, cracks, or leaks. Replace damaged components immediately.
- Ensure the pump's cooling vents are clear of debris to allow for proper heat dissipation.
- Check the power cord for any damage.

Figure 8: Product quality details highlighting the stainless steel head, cooling vent design, and safety switch.

6. Troubleshooting

This section addresses common issues you might encounter with your LANCHEZ pump.

Problem	Possible Cause	Solution
Pump does not start	No power; Thermal overload activated; Damaged motor/switch	Check power connection; Allow pump to cool down; Contact support if issue persists.

Problem	Possible Cause	Solution
Pump runs but no water flows	Pump not primed; Air leak in suction line; Clogged inlet/outlet; Suction lift too high	Prime the pump completely; Check all connections for leaks; Clear any blockages; Ensure suction height is within specifications (max 26 ft).
Low water pressure/flow	Partial blockage; Air in system; Worn impeller/seal	Check for partial blockages; Re-prime the pump; Inspect impeller/seal for damage (contact support).
Pump overheats and shuts off	Thermal overload activated; Running dry; Insufficient ventilation	Allow pump to cool; Ensure pump is primed; Check for clear cooling vents and adequate airflow.

7. Technical Specifications

Detailed specifications for the LANCHEZ 1 HP Portable Shallow Well Garden Pump.

Specification	Value
Brand	LANCHEZ
Model Number	JGP110037UINOX
Horsepower	1 HP
Voltage / Frequency	115V / 60Hz
Wattage	1100 watts
Maximum Flow Rate	1294 GPH (21.56 GPM)
Maximum Lifting Height	147 feet
Maximum Suction Height	26 feet
Maximum Pressure	62.25 PSI
Inlet/Outlet Size	1 inch NPT
Material	Stainless Steel (pump head)
Product Dimensions (L x W x H)	14.56" x 7.87" x 8.66"
Item Weight	24.6 pounds
Power Cord Length	6.56 feet
Maximum Water Temperature	95°F (35°C)

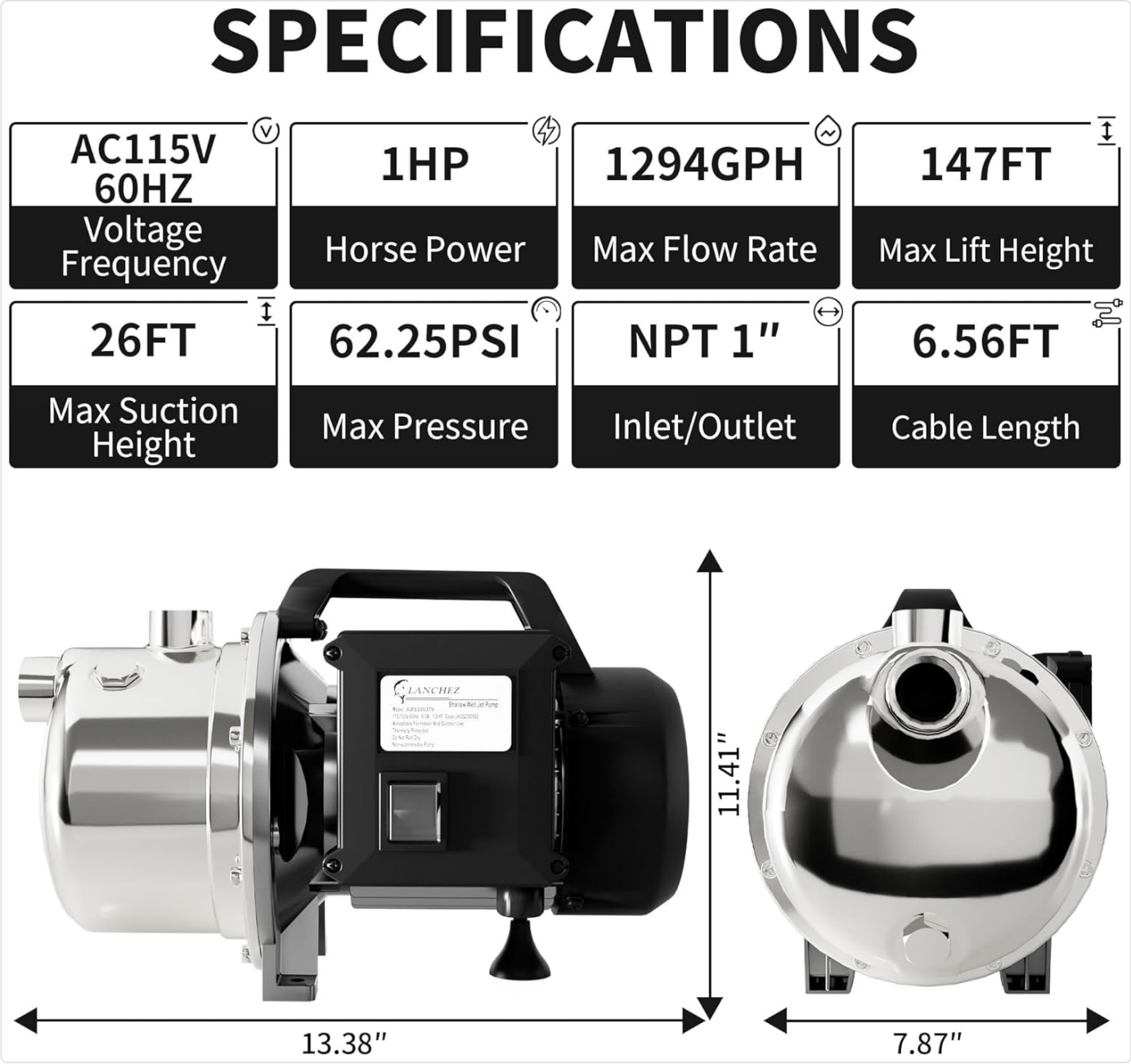


Figure 9: Visual summary of key technical specifications.

8. Warranty and Support

LANCHEZ is committed to providing quality and reliable products.

Warranty Information:

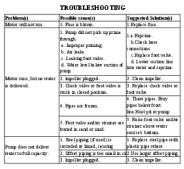
This product comes with 3 years of technical support. For specific warranty details and claims, please refer to the documentation included with your purchase or contact LANCHEZ customer service.

Customer Support:

For any questions, technical assistance, or service inquiries, please contact LANCHEZ customer service. Our team is available to provide support and ensure your satisfaction.

Figure 10: LANCHEZ commitment to quality and customer support.

Related Documents - JGP110037UINOX

	[Troubleshooting Guide for Water Pumps] A comprehensive troubleshooting guide to identify and resolve common issues with water pumps, including problems with motor operation, water delivery, and capacity.