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› [LANCHEZ](#) /

› LANCHEZ 1/2 HP Shallow Well Garden Pump User Manual

LANCHEZ JGP80019 INOX-NEW

LANCHEZ 1/2 HP Shallow Well Garden Pump User Manual

Model: JGP80019 INOX-NEW

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your LANCHEZ 1/2 HP Shallow Well Garden Pump. This portable stainless steel water transfer pump is designed for various applications including draining, irrigation, and use with lawn fountains. Please read this manual thoroughly before use to ensure proper function and longevity of the product.



Figure 1: LANCHEZ 1/2 HP Shallow Well Garden Pump, showcasing its stainless steel construction.

SAFETY INFORMATION

Always prioritize safety when operating electrical equipment. This pump features thermal overload protection for continuous duty use. Adhere to the following safety guidelines:

- Do not run the transfer pump before priming it, as this can permanently damage the seal and impeller.
- Ensure the pump is installed in a clean, dry, and well-ventilated location.
- Protect the pump from freezing temperatures.
- Securely bolt the pump to a stable foundation, preferably concrete, and ensure adequate drainage.
- The pump is designed for indoor and outdoor use, but should not be run dry.
- This is a non-submersible pump. Do not immerse in water.

AUTOMATIC DTOP FOR OVERHEATING



**BUILT-IN THERMAL PROTECTION
ENSURES SAFE USE FOR LONG PERIODS OF TIME.**

Figure 2: Built-in thermal protection ensures safe use for extended periods by preventing overheating.

PRODUCT OVERVIEW AND COMPONENTS

The LANCHEZ Shallow Well Garden Pump is constructed with durable materials for reliable performance. Key components include:

- **Stainless Steel Head (304):** Corrosion-resistant and easy to clean.
- **Aluminium Housing (YL102):** Durable motor casing.
- **Inflaming Retarding Plastic Terminal Box (ABS):** Provides electrical safety.
- **Inlet NPT 1" and Outlet NPT 1":** Standard pipe connections.
- **Stabilizing Support:** Ensures pump stability during operation.
- **On/Off Switch:** For safe and convenient operation.
- **Thermal Vents:** Large ventilation channels for heat dissipation.
- **Copper Wire Motor:** Powerful, durable, and low noise.



Water Transfer
Garden Pump

1.2HP

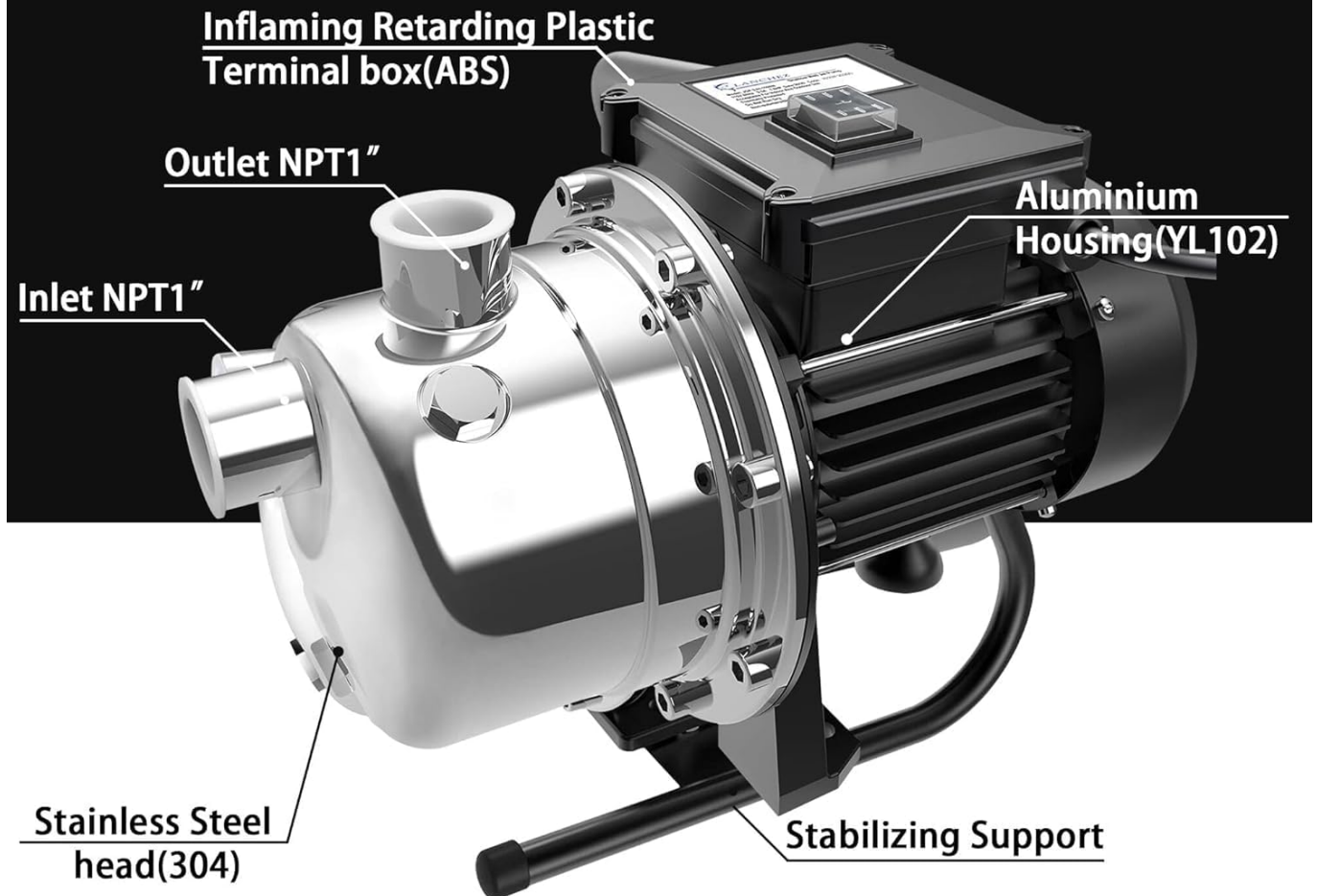
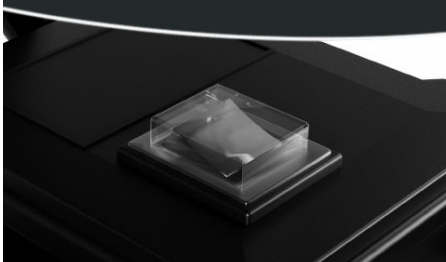


Figure 3: Labeled diagram showing the main components of the pump, including the stainless steel head, aluminum housing, and terminal box.

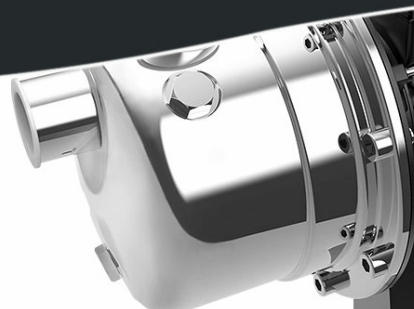
ON/OFF SWITCH

Safe and Convenient
Operation



STAINLESS STEEL PUMP HEAD

Durable and easy to maintain
for longer life



THERMAL VENTS

Large Ventilation Channels
for Heat Dissipation



Figure 4: Detailed view of the On/Off switch, durable stainless steel pump head, and thermal vents for heat dissipation.

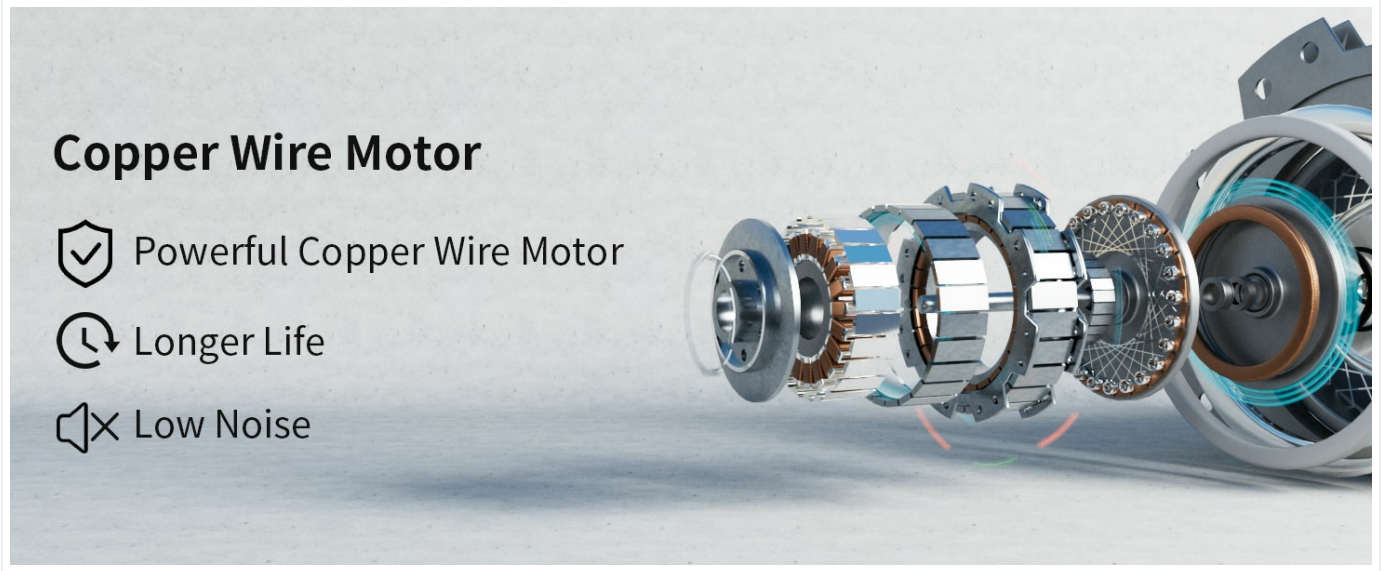


Figure 5: Illustration highlighting the powerful copper wire motor, designed for longer life and low noise operation.

SPECIFICATIONS

Feature	Specification
Brand	LANCHEZ
Model Number	JGP80019 INOX-NEW
Style	1/2HP
Power Source	AC
Voltage	115 Volts
Wattage	800 watts
Maximum Flow Rate	960 GPH (16 Gallons Per Minute)
Maximum Lifting Height	125 Feet
Maximum Suction Height	26 Feet
Maximum Pressure	55.1 PSI
Product Dimensions	13.38"L x 7.87"W x 8.66"H
Item Weight	16.96 pounds
Material	Stainless Steel
Maximum Water Temperature	95°F
Protection Type	IPX4

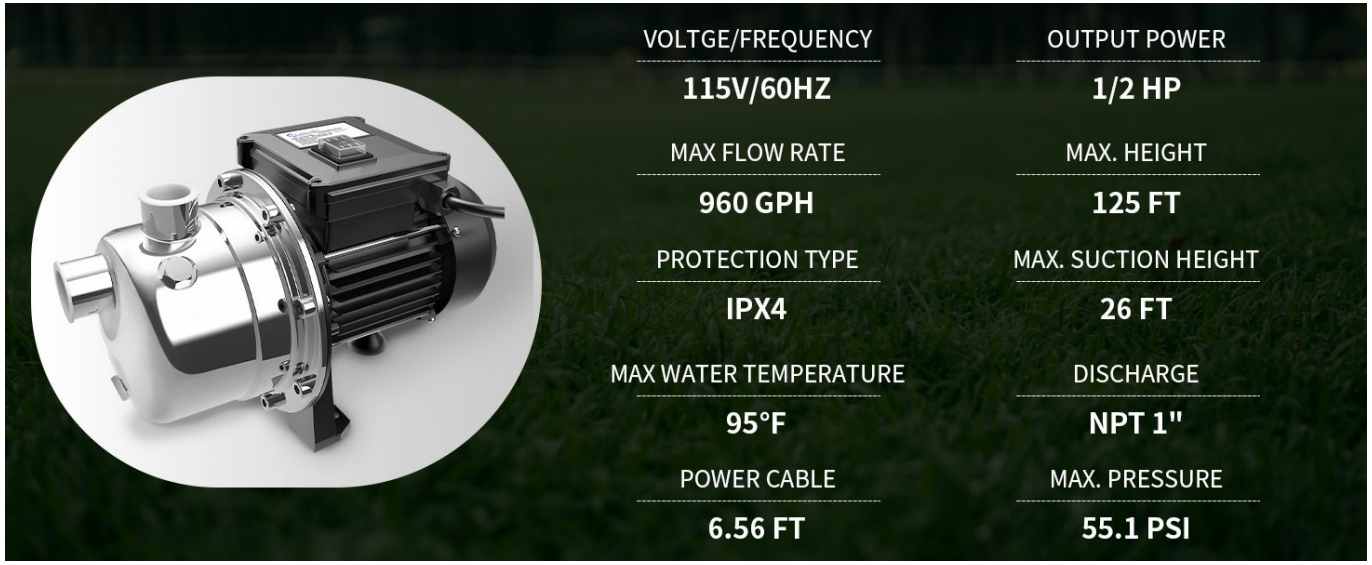


Figure 6: Visual representation of the pump's key performance specifications.

SETUP AND INSTALLATION

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

1. **Location:** Install the pump in a clean, dry, and well-ventilated area. Ensure adequate space for servicing and protection from freezing temperatures.
2. **Mounting:** Bolt the pump securely to a stable foundation, such as concrete, to minimize vibration and ensure stability. Provide adequate drainage around the installation area.
3. **Pipe Connection:** Connect the inlet (suction) and outlet (discharge) pipes to the pump. The pump features NPT 1" connections. Ensure all connections are tight to prevent leaks and air ingress.
4. **Priming:** Before initial use, or if the pump has run dry, it is essential to prime the pump. Remove the plug from the street tee (or designated priming port) and pour clean water into the unit until the casing and suction line are completely filled. This prevents damage to the seals and impeller.
5. **Electrical Connection:** Connect the pump to a suitable 115V AC power supply. Ensure the power supply matches the pump's requirements.

CONNECTION MODE

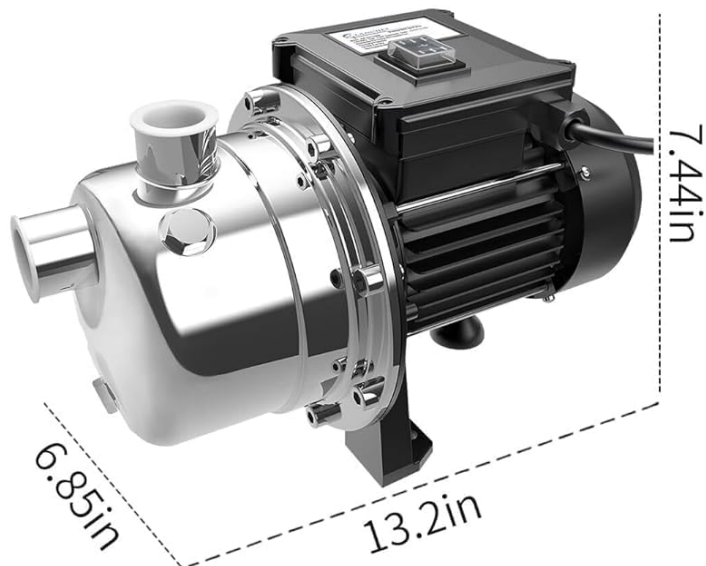
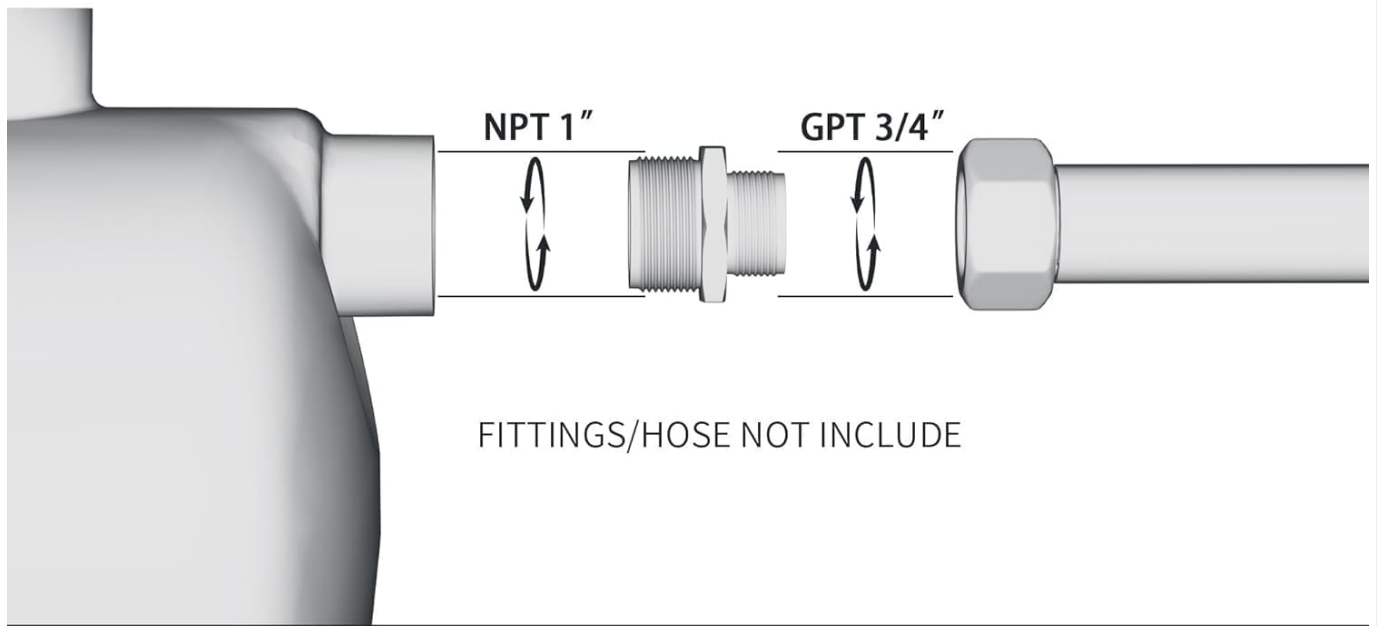
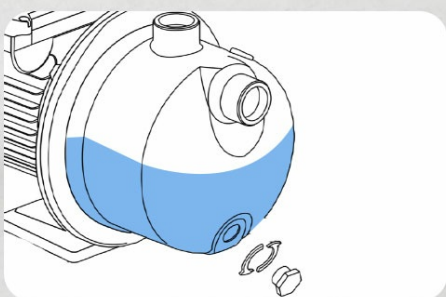


Figure 7: Illustration of typical pipe connection points for the pump. Fittings and hoses are not included.

After Use

Recommendation: Turn off the switch and drain the water after use.



OPERATING INSTRUCTIONS

Once installed and primed, the pump is ready for operation:

1. **Start-up:** Ensure all connections are secure and the pump is properly primed. Turn on the power using the On/Off switch. The pump will begin to operate.
2. **Monitoring:** Observe the pump during initial operation to ensure smooth running and no unusual noises or leaks.
3. **Overheating Protection:** The pump is equipped with security protection. If the motor temperature exceeds its permissible range, it will automatically stop and restart once the temperature cools down. This prevents motor damage.
4. **Shut-down:** To turn off the pump, simply switch off the power using the On/Off switch.



Figure 9: Illustration demonstrating the pump's working performance, including maximum lift, suction, and pressure capabilities for various applications like water taps and self-priming.

MAINTENANCE

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

- **Cleaning:** The corrosion-resistant stainless steel construction is easy to clean. Periodically wipe down the exterior of the pump.
- **Winterization:** If the pump will be exposed to freezing temperatures, turn off the switch and drain all water from the pump after use to prevent damage from ice expansion.
- **Inspection:** Regularly inspect pipes and connections for any signs of leaks, wear, or damage. Address any issues promptly.

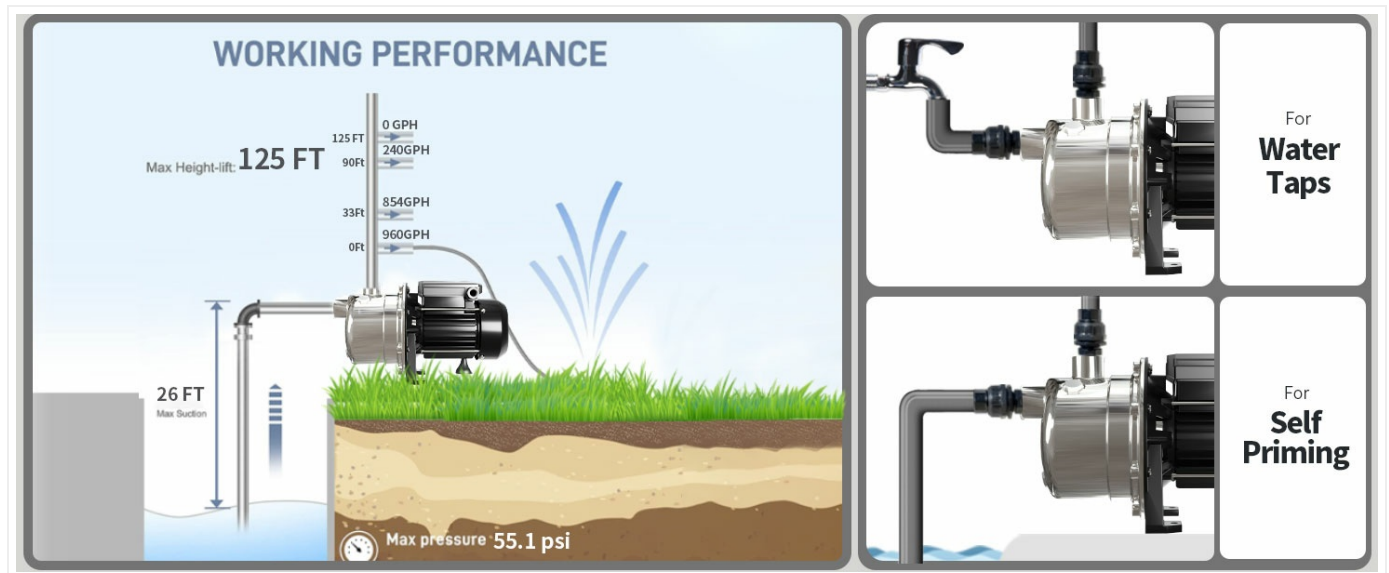


Figure 10: Instructions for draining water from the pump after use, crucial for preventing damage in cold weather.

TROUBLESHOOTING

For common issues, refer to the official Troubleshooting Guide. A PDF version is available for download:

[Download Troubleshooting Guide \(PDF\)](#)

Some common issues and their potential causes:

- **Pump not starting:** Check power connection, ensure On/Off switch is in the 'On' position, verify thermal overload protection has not tripped.
- **Low pressure/flow:** Check for proper priming, ensure no air leaks in the suction line, inspect for clogs in pipes or pump, verify adequate water supply.
- **Pump running but no water:** Likely an issue with priming or air in the suction line. Re-prime the pump.
- **Pump frequently cycling on/off:** Could indicate a leak in the system or an issue with pressure switch settings (if applicable).

WARRANTY AND SUPPORT

LANCHEZ stands behind the quality of its products. This pump comes with a 3-year technical support warranty.

- **Warranty Description:** 3 years of technical support.
- **Customer Service:** For any questions, technical assistance, or warranty claims, please contact LANCHEZ customer service.
- **Official Warranty:** Complimentary returns & exchange are offered.

For additional information or to explore other products, visit the official LANCHEZ store:

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question