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› LANCHEZ 3/4 HP Portable Submersible Water Sump Pump Instruction Manual

LANCHEZ Lanchez

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Model: Lanchez

INTRODUCTION

The LANCHEZ 3/4 HP Portable Submersible Water Sump Pump is a versatile and efficient tool designed for rapid water removal. With a powerful 3/4 HP copper wire motor, it can discharge water up to 4450 GPH (74 GPM) and lift water up to 40 ft vertically. Its low baseplate design allows for water removal down to 0.2 inches, making it ideal for draining clean or slightly dirty water from various applications. This manual provides essential information for the safe and effective operation and maintenance of your pump.

IMPORTANT SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating the pump. Failure to do so may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the power source matches the pump's voltage (110 Volts AC). Do not use the pump with damaged cords or plugs. Always plug into a grounded outlet.
- **Submersion:** This pump is designed for submersible use (IPX8 waterproof). Before using, submerge the pump into the water at an inclined angle to remove excess air.
- **Water Temperature:** Do not operate the pump in water exceeding 95°F (35°C).
- **Particle Size:** The pump is suitable for clean or slightly dirty water. The diameter of particles in the water should not exceed 34mm.
- **Dry Running:** Avoid operating the pump without water, as this can cause damage.
- **Overload Protection:** The pump features built-in automatic thermal overload protection. If the pump overheats, it will automatically stop and restart once it has cooled down sufficiently.
- **Handling:** Do not move the pump by pulling the power cord. Use the convenient handle on top for easy carrying.

PRODUCT OVERVIEW

The LANCHEZ submersible pump is constructed with a high-quality, impact-resistant thermoplastic casing, ensuring robustness and corrosion resistance. It features a 25 ft power cable for wide application without the need for an extension cord.



Figure 1: LANCHEZ 3/4 HP Portable Submersible Water Sump Pump with hose adapter.

Key Features:

- 3/4 HP copper wire motor for efficient power.
- Discharge rate up to 4450 GPH (74 GPM).
- Lifts water up to 40 ft vertical height.
- Low baseplate design for water removal down to 0.2 inches.
- High-quality, impact-resistant thermoplastic casing.
- Built-in automatic thermal overload protection.
- 25 ft power cable.

- NPT1-1/2" discharge, 1-1/2" NPT elbow adapter, and multi-hose adapter for compatibility.

Components:

- Submersible Sump Pump Unit
- 25 ft Power Cable (attached)
- NPT1-1/2" Discharge Adapter
- 1-1/2" NPT Elbow Adapter
- Multi-Hose Adapter



Figure 2: The multi-hose adapter allows for various hose sizes by cutting the adapter to fit.

SETUP

1. Unpacking

Carefully remove all components from the packaging. Inspect the pump and accessories for any signs of damage. Do not use if any part is damaged.

2. Connecting the Hose

1. Select the appropriate hose size for your application. The multi-hose adapter can be cut to fit different hose diameters.
2. Attach the chosen hose to the pump's discharge outlet using the provided NPT1-1/2" discharge or 1-1/2" NPT elbow adapter. Ensure a secure connection to prevent leaks.
3. For optimal performance, use a hose with a diameter that matches the pump's discharge capacity.



MECHANICAL SEAL CASING

◀ **THERMOPLASTIC
HOUSING**

Rugged engineering ,corrosion & abrasion resistance



1/5IN



◀ **COMFORTABLE
CARRYING HANDLE**

Ergonomic handle for easy handy and carrying

**25FT EXTENDED ►
POWER CABLE**

More placement scenarios,
easy to use at longer distances



Figure 3: The pump features a comfortable carrying handle and a 25ft extended power cable for versatile placement.

OPERATING INSTRUCTIONS

1. Initial Use

1. Place the pump on a level and solid foundation in the area where water needs to be removed. Ensure the exhaust hole is not blocked by debris.
2. Submerge the pump into the water at an inclined angle to allow any trapped air to escape. This helps the pump prime and operate efficiently.
3. Once fully submerged and air-free, plug the 25 ft power cable into a grounded 110V AC outlet. The pump will begin operating immediately as it does not have an automatic start/stop feature.
4. To stop the pump, simply unplug it from the power outlet.



Figure 4: The pump is designed for submersion and efficient water transfer.

2. Applications

This multipurpose pump is suitable for a wide range of water removal tasks:

- Draining swimming pools
- Removing standing water from basements, cellars, or sump pits
- Emptying hot tubs and water tanks
- Draining rain barrels
- General utility pumping in flooded areas or garden ponds

Video 1: Official demonstration of the Lanchez 4450 GPH Submersible Water Pump in operation, showcasing its water removal capabilities.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pump.

- **Cleaning:** Periodically clean the pump's intake screen to prevent blockages from debris. A detachable screen filter base allows for easy cleaning.
- **Storage:** When not in use, especially during colder months, ensure the pump is completely drained of water to prevent freezing and damage. Store it in a dry, protected area.
- **Inspection:** Regularly inspect the power cord for any cuts, fraying, or damage. Do not use the pump if the cord is compromised.

TROUBLESHOOTING

If you encounter issues with your LANCHEZ pump, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Pump does not start	No power; Thermal overload activated; Impeller jammed	Check power connection; Allow pump to cool down; Clear any debris from impeller.
Pump runs but no water is discharged	Air lock; Clogged intake/discharge; Hose kinked or blocked	Re-submerge pump at an angle to release air; Clean intake screen and discharge; Straighten hose or clear blockage.
Reduced flow rate	Partial clog; Worn impeller; Excessive lift height	Clean intake/discharge; Inspect impeller for wear (contact support if needed); Ensure pump is within specified lift height limits.
Pump cycles on and off frequently	Thermal overload due to continuous heavy use or high water temperature	Reduce operating time; Check water temperature (must be below 95°F); Ensure proper ventilation around pump.

TECHNICAL SPECIFICATIONS

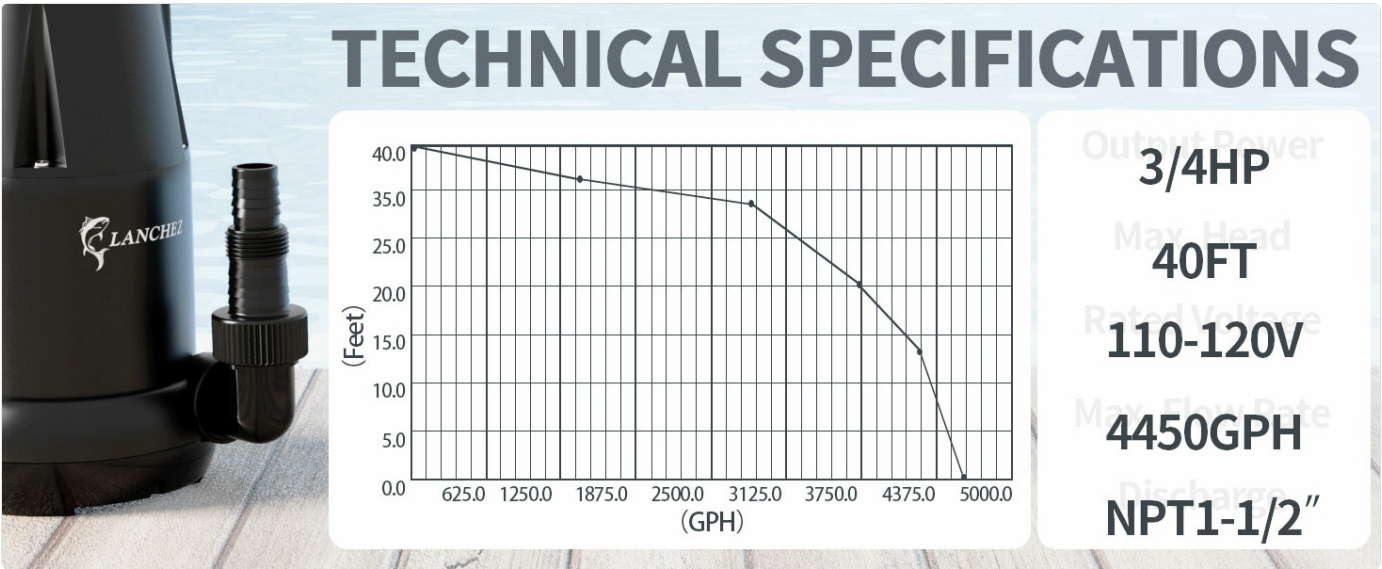


Figure 5: Performance chart and key specifications.

Specification	Value
Brand	LANCHEZ
Model	Lanchez
Style	3/4 HP for Low Suction
Power Source	AC
Voltage	110 Volts (AC)
Wattage	900 Watt-hours
Maximum Flow Rate	4450 GPH (74.16 Gallons Per Minute)
Maximum Lifting Height	40 Feet
Product Dimensions	6.02"L x 6.02"W x 12.99"H
Item Weight	11.6 Pounds
Material	Plastic (PA66 material impeller)
Max Water Temperature	95°F
Max Diving Depth	23 FT
Min Starting Water Level	5.3 IN
Water Removal Depth	Down to 0.2 IN
UPC	603097224603, 704298657358

The LANCHEZ 3/4 HP Portable Submersible Water Sump Pump includes a 3-year technical support and professional assistance warranty. For any technical issues or support inquiries, please refer to the contact information provided with your product packaging or visit the official LANCHEZ website.

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

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Email

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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