

[Manuals.plus](#) /

› [LANCHEZ](#) /

› LANCHEZ 1/2 HP Portable Submersible Water Sump Pump User Manual

LANCHEZ LANCHEZ A4F83

LANCHEZ 1/2 HP Portable Submersible Water Sump Pump User Manual

Model: LANCHEZ A4F83 | Brand: LANCHEZ

PRODUCT OVERVIEW

The LANCHEZ 1/2 HP Portable Submersible Water Sump Pump is designed for efficient water removal from various areas. Featuring a 1/2 HP motor, it delivers a discharge rate of up to 2301 GPH (38 GPM) and can lift water up to 31 ft vertically. Its low baseplate design allows for water removal down to 0.35 inches, making it suitable for draining clean or slightly dirty water. The pump is built with a high-quality, impact-resistant thermoplastic casing for durability and corrosion resistance, and includes a built-in automatic thermal overload protection for continuous operation.



Image: The LANCHEZ 1/2 HP Portable Submersible Water Sump Pump, showcasing its compact design and power cord.

SETUP INSTRUCTIONS

Proper setup ensures optimal performance and safety of your sump pump. Follow these steps for initial installation:

1. **Placement:** Ensure the pump is placed on a level and solid foundation. Avoid placing it directly on soft ground or uneven surfaces.
2. **Submersion:** Before connecting power, submerge the pump into the water at an inclined angle. This helps to remove any excess air trapped inside the pump, ensuring proper priming and operation.
3. **Hose Connection:** The pump features an NPT1" discharge. Use the provided NPT1" to GHT3/4" adapter to accommodate various hose sizes. Securely attach your discharge hose to the pump's outlet.

4. **Power Connection:** The pump is equipped with a 16 ft power cable, allowing for flexible placement without the immediate need for an extension cord. Plug the pump into a suitable power outlet.
5. **Clearance:** Verify that the exhaust hole is not blocked by any debris, such as leaves or sediment, to ensure unrestricted water flow.
6. **Cable Management:** Avoid moving the pump by pulling on the power cord. Always use the integrated handle for repositioning.



MECHANICAL SEAL CASING

◀ **THERMOPLASTIC HOUSING**

Rugged engineering ,corrosion & abrasion resistance

0.35IN



◀ **COMFORTABLE CARRYING HANDLE**

Ergonomic handle for easy handy and carrying



16FT EXTENDED ► POWER CABLE

More placement scenarios, easy to use at longer distances

Image: Close-up of the pump's NPT1" discharge and the included NPT1" to GHT3/4" adapter for hose compatibility.



Corrosion-resistant Case



Quick Response Drain



Ideal for Narrow Space

1/2 HP

Submersible Sump Pump

Easily pumped with a garden hose



Image: The LANCHEZ sump pump partially submerged in water, demonstrating its low suction capability.



Image: Diagram illustrating proper pump placement in a well, emphasizing a level foundation and clear exhaust.

OPERATING INSTRUCTIONS

The LANCHEZ sump pump is designed for straightforward operation. It does not feature an automatic start/stop mechanism; operation is controlled by plugging and unplugging the unit.

- **Starting the Pump:** Once properly set up and submerged, simply plug the pump into a grounded electrical outlet to begin operation.
- **Stopping the Pump:** To stop the pump, unplug it from the electrical outlet.
- **Water Level:** The pump is capable of removing water down to a low level of 0.35 inches, making it effective for nearly complete drainage.
- **Application:** This pump is suitable for a wide range of applications including draining hot tubs, water tanks, swimming pools, standing water in basements, cellars, sump pits, rain barrels, and other flooded areas.
- **Particle Size:** Ensure that the diameter of any solid particles in the water does not exceed 34mm to prevent clogging or damage to the impeller.
- **Water Temperature:** The maximum allowable water temperature for operation is 95°F (35°C). Operating in water above this temperature may cause damage.
- **Avoid Dry Running:** Never operate the pump without water. Dry running can cause severe damage to the motor and seals.



PRODUCT PARAMETER



**IPX8
Safety Design**



Low Noise



Weight: 13.66LB



Overload Protection

Image: Product parameter overview, highlighting IPX8 safety design, low noise, weight, and overload protection.

2301GPH UTILITY PUMP



Water Removal
to 0.35IN Depth



Detachable Screen
Filters Base



Image: The 2301 GPH utility pump demonstrating water removal down to 0.35 inches with a detachable screen filter base.

Reliable Copper Wire Motor



Overload Protection



Longer Life



Low Noise

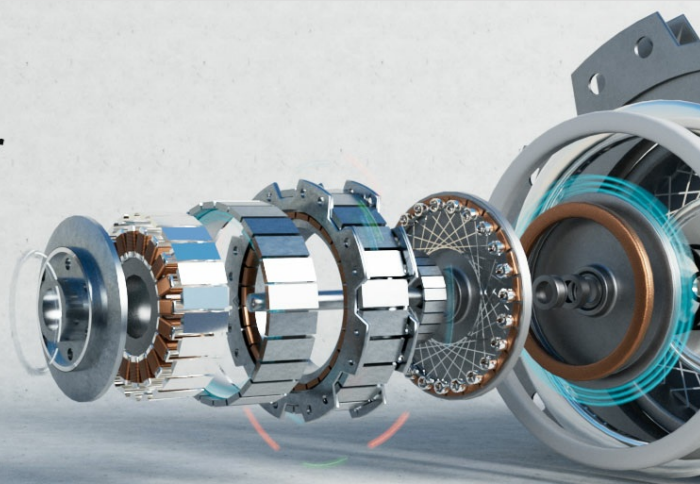


Image: Illustration showing the simple plug-and-play operation of the pump for quick response.

Overheating Protection

When the pump is operating at a certain high temperature, it will automatically stop and restart when it has cooled down sufficiently

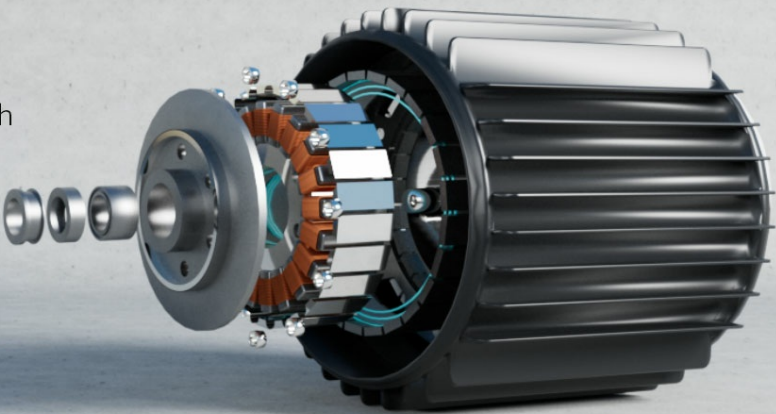


Image: Visual representation of the pump's wide application in pools, garden ponds, flooded areas, and stock tanks.

MAINTENANCE

Regular maintenance helps prolong the life and efficiency of your LANCHEZ sump pump.

- **Cleaning:** Periodically inspect the pump's intake screen and impeller for debris, such as leaves, dirt, or small stones. Clear any blockages to maintain optimal flow and prevent damage.
- **Storage:** When not in use for extended periods, clean the pump thoroughly, drain any remaining water, and store it in a dry, protected area away from extreme temperatures.
- **Thermal Overload Protection:** The pump features a built-in automatic thermal overload protector. If the pump overheats due to continuous work or blockage, it will automatically shut down to prevent damage. Allow the pump to cool down sufficiently before attempting to restart it.
- **Casing Inspection:** The pump is constructed with a robust and corrosion-resistant thermoplastic casing. Regularly inspect the casing for any signs of cracks or damage.

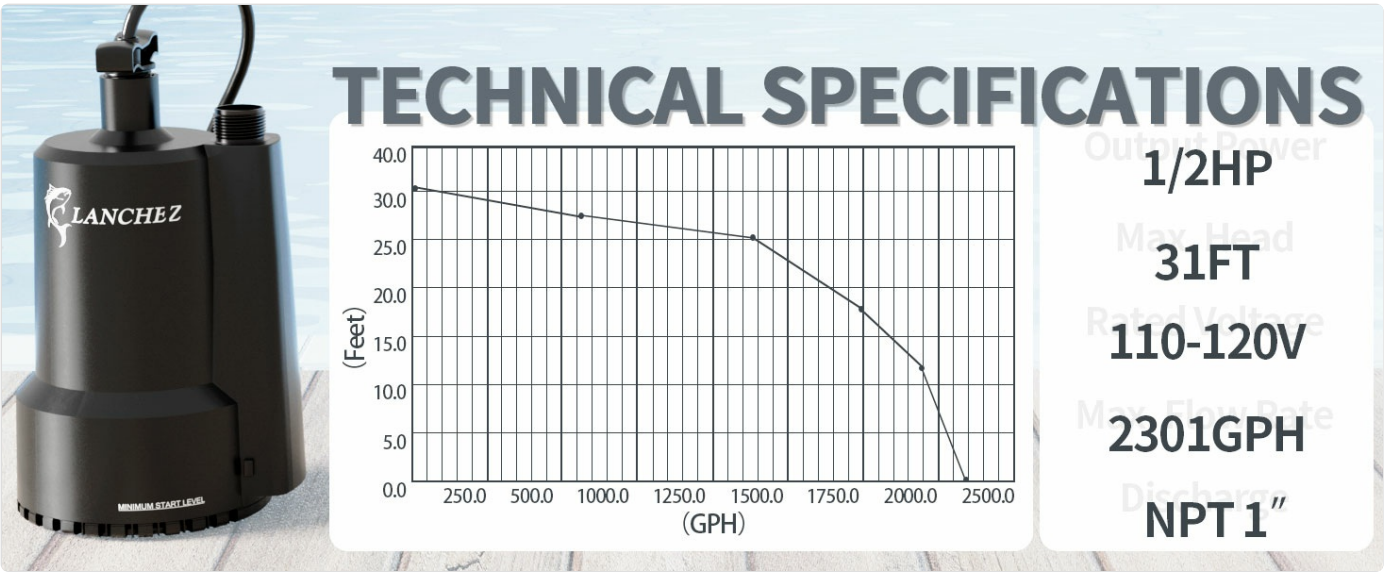


Image: Diagram highlighting the rugged engineering, corrosion, and abrasion resistance of the thermoplastic housing and mechanical seal casing.

Easy & Quiet

Easy Use

Power plug-and-play for quick response in emergencies



Image: Internal view of the reliable copper wire motor, emphasizing overload protection, longer life, and low noise features.

TROUBLESHOOTING

If you encounter issues with your LANCHEZ sump pump, refer to the following common troubleshooting steps. For more detailed guidance, please consult the official [Troubleshooting Guide \(PDF\)](#).

Problem	Possible Cause	Solution
Pump does not start.	No power; pump not properly submerged/airlocked; thermal overload activated.	Check power connection and circuit breaker. Submerge pump at an incline to release air. Allow pump to cool down if it was running continuously.
Reduced flow or no water discharge.	Clogged intake screen or impeller; kinked or blocked discharge hose; pump not fully primed.	Unplug pump and clear any debris from the intake and impeller. Straighten the discharge hose. Re-submerge the pump at an incline to ensure it is primed.
Pump runs but no water is discharged.	Airlock in the pump; discharge hose blocked or too long/high.	Unplug and re-submerge the pump at an angle to release trapped air. Check the discharge hose for blockages or excessive vertical lift.
Pump stops unexpectedly.	Thermal overload protection activated; power interruption; dry running.	Allow pump to cool down. Check power supply. Ensure pump is always submerged in water during operation.

SPECIFICATIONS

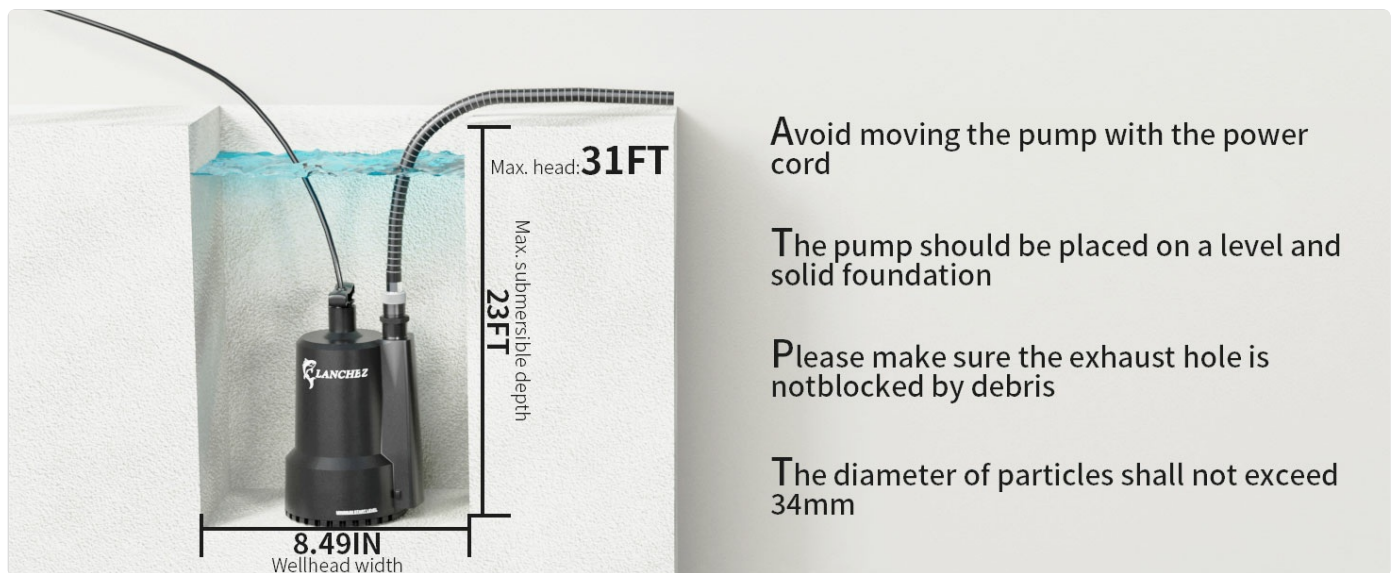
Detailed technical specifications for the LANCHEZ 1/2 HP Portable Submersible Water Sump Pump:

Feature	Detail
Model Number	LANCHEZ A4F83
Power	1/2 HP (450 Watts)
Voltage	110-120 Volts (AC)

Feature	Detail
Frequency	60 Hz
Maximum Flow Rate	2301 GPH (38 GPM)
Maximum Lifting Height	31 Feet
Minimum Water Level (Suction)	0.35 Inches
Maximum Diving Depth	23 Feet
Power Cord Length	16 Feet
Discharge Outlet Size	NPT1" (includes NPT1" to GHT3/4" adapter)
Material	Thermoplastic Casing, PA66 Material Impeller
Item Weight	9.37 Pounds
Product Dimensions (L x W x H)	6.3" x 6.3" x 10.83"
Max Water Temperature	95°F (35°C)
Max Particle Diameter	34mm



Image: Chart detailing the pump's output power, max head, rated voltage, max flow rate, and discharge size.



Avoid moving the pump with the power cord

The pump should be placed on a level and solid foundation

Please make sure the exhaust hole is not blocked by debris

The diameter of particles shall not exceed 34mm

Image: Comprehensive specifications including product size, frequency, power, max water temperature, load current, min starting water level, max diving depth, and impeller material.

WARRANTY AND SUPPORT

LANCHEZ is committed to providing quality products and excellent customer service.

- **Warranty:** The product includes a 3-year technical support and professional assistance warranty.
- **Customer Service:** We offer 24/7 customer service to assist with any questions or concerns you may have.
- **After-Sales Service:** Enjoy lifetime after-sales service for your LANCHEZ product.



Image: Badge indicating lifetime after-sales service for the product.

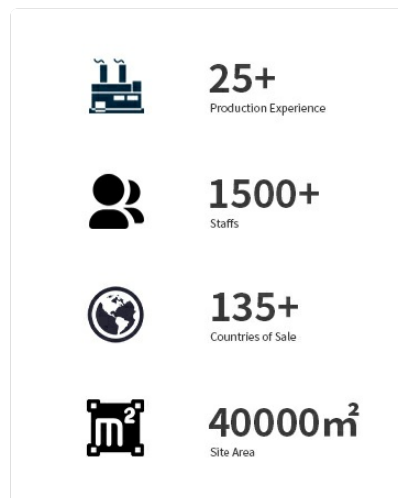


Image: Representation of 24/7 customer service availability.

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

Email

you@example.com

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