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**LANCHEZ Q1000B1**

# LANCHEZ 1.6 HP Sump Pump Submersible User Manual

Model: Q1000B1

## PRODUCT OVERVIEW

The LANCHEZ 1.6 HP Sump Pump is a powerful and versatile submersible water pump engineered for efficient water transfer. It boasts a robust 1.6 HP motor, capable of discharging up to 4858 gallons per hour (81 GPM) and lifting water up to 32 feet vertically. Its design accommodates particles up to 1.37 inches, making it suitable for both clean and dirty water applications. The pump features an automatic float switch for convenient operation, thermal overload protection for enhanced durability, and a long 16 ft power cable for extended reach.



Figure 1: LANCHEZ 1.6 HP Sump Pump with included accessories.

## SAFETY INFORMATION

Please read and understand all safety warnings and instructions before operating the pump. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- **Electrical Safety:** The pump operates on 115 Volts (AC). Ensure the power source matches the pump's

requirements. Do not use extension cords unless absolutely necessary and ensure they are rated for outdoor use and the pump's wattage.

- **Submersion:** Always submerge the pump into the water at an inclined angle to remove excess air before operation.
- **Placement:** The pump should be placed on a level and solid foundation to ensure stable operation.
- **Debris:** Ensure the exhaust hole is not blocked by debris. The pump is designed for particle passage up to 1.37 inches (34mm); larger particles may cause damage.
- **Overheating Protection:** The pump is equipped with built-in automatic thermal overload protection. If the pump operates at a high temperature, it will automatically stop and restart once it has cooled down sufficiently.
- **Water Temperature:** Do not use the pump with water exceeding 95°F (35°C).
- **Dry Running:** Avoid operating the pump without water (dry running) as this can cause severe damage to the motor.
- **Handling:** Do not move the pump by pulling the power cord. Always use the integrated handle for transport.



Figure 2: Important safety considerations for pump operation.

## COMPONENTS AND WHAT'S IN THE BOX

Your LANCHEZ Sump Pump package includes the following items:

- LANCHEZ 1.6 HP Submersible Sump Pump Unit
- Automatic Float Switch (integrated)
- 16 ft Power Cable
- NPT 1-1/2" Discharge Port
- 3/4" NPT Garden Hose Adapter
- 1-1/2" NPT Elbow Adapter
- Multi-Hose Adapter

# POWER & RELIABLE

HMAX: 32FT QMAX: 4858GPH



### THREE-LAYER SEAL

Low friction loss leads to higher efficiency



### Eco-Friendly OIL-FREE MOTOR

Stable operation and long service life



### COLD ROLLER STEEL ROTOR SHAFT

Keep corrosion resistance also ensures lower operating noise



Figure 3: Internal components and design features of the pump, including the eco-friendly oil-free motor and three-layer seal.

# HOSE ADAPTER COUPLING

Cut to different sizes to fit a wide range of hoses

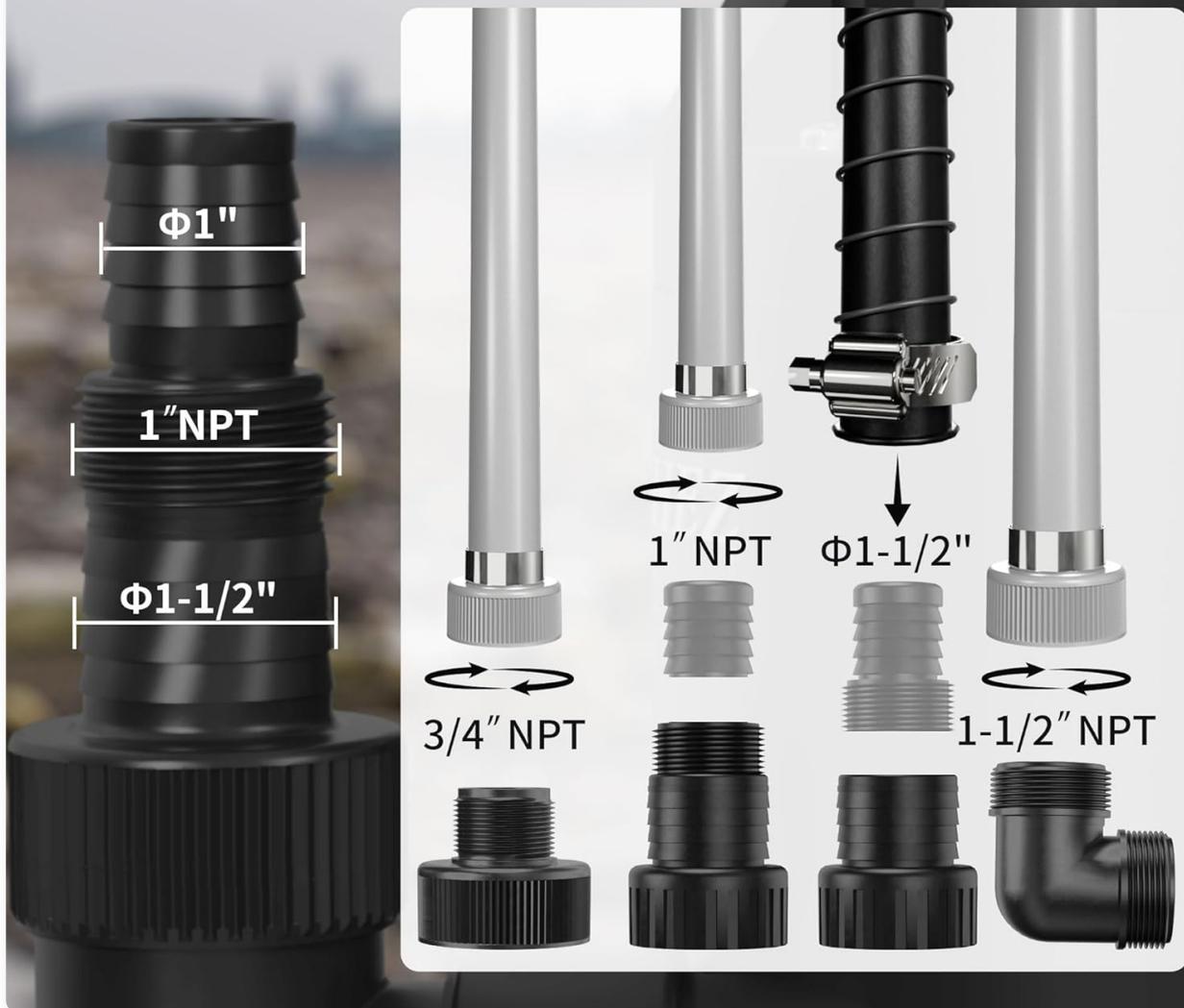


Figure 4: Various hose adapter couplings included for wide compatibility with different hose sizes.

## SETUP AND INSTALLATION

Follow these steps to set up your LANCHEZ Sump Pump for operation:

1. **Choose Location:** Select a stable, level surface for the pump within the water source.
2. **Attach Hose:** Connect the appropriate hose adapter to the pump's discharge port. Secure your hose to the adapter using a clamp if necessary.
3. **Position Float Switch:** Ensure the float switch has enough clearance to move freely and activate/deactivate the pump based on water levels. The float switch controls automatic operation.
4. **Submerge Pump:** Carefully lower the pump into the water. Submerge it at an inclined angle to allow any trapped air to escape.
5. **Connect Power:** Plug the 16 ft power cable into a suitable 115V (AC) power outlet. The pump will begin operating automatically once the float switch rises with the water level.

Video 1: Official LANCHEZ video demonstrating the setup and operation of the 1.6 HP Submersible Sump Pump, including hose connection and automatic float switch functionality.

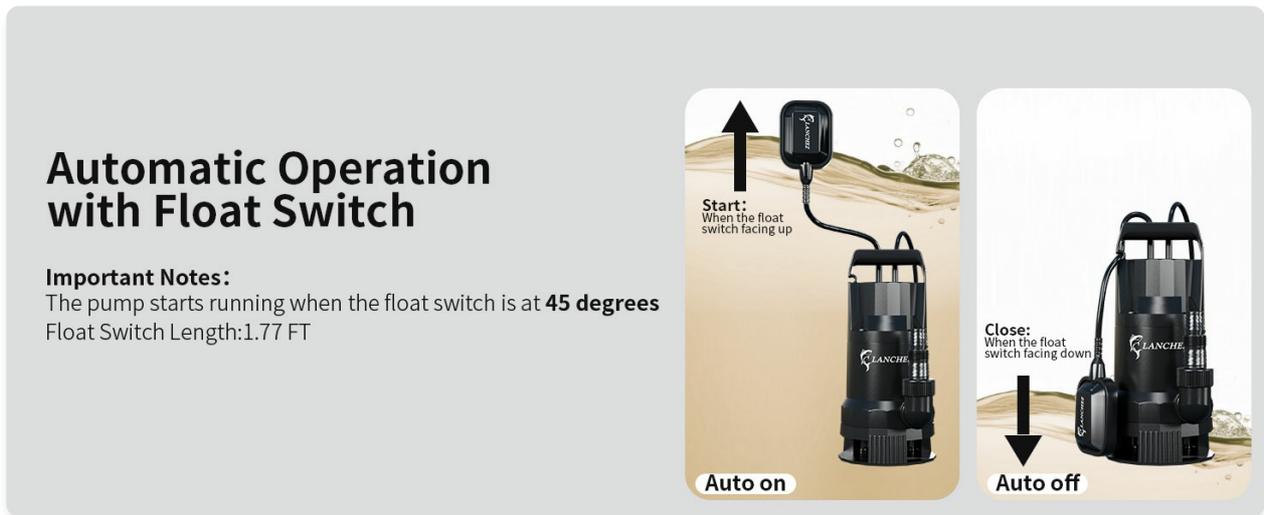


Figure 5: Diagram illustrating the automatic operation of the pump controlled by the float switch, showing auto-on and auto-off positions.

## OPERATING INSTRUCTIONS

The LANCHEZ Sump Pump is designed for continuous duty use in various draining applications. Its automatic float switch simplifies operation:

- Once submerged and plugged in, the pump will automatically activate when the water level rises, causing the float switch to face upwards (approximately 45 degrees).
- The pump will continue to operate, efficiently transferring water, until the water level drops sufficiently, causing the float switch to face downwards, at which point the pump will automatically shut off.
- This automatic start/stop feature prevents dry running and ensures efficient water management.

**Applications:** This submersible pump is suitable for a wide range of uses, including:

- Removing standing water from swimming pools, hot tubs, and ponds.
- Draining flooded basements, cellars, or sump pits.
- Transferring water from rain barrels or other water tanks.
- General garden watering (with appropriate hose adapters).



Figure 6: The LANCHEZ Sump Pump actively draining water from a pool, demonstrating its high flow capacity.

## MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your LANCHEZ Sump Pump:

- **Cleaning:** Periodically inspect the pump's intake and discharge ports for any debris, such as leaves, dirt, or small particles, that may obstruct water flow. Clean as needed.
- **Storage:** When not in use, especially during colder months, drain any remaining water from the pump and store it in a dry, protected area to prevent freezing and damage.
- **Float Switch:** Ensure the float switch remains clean and moves freely to guarantee proper automatic operation.
- **Power Cord:** Inspect the power cord for any signs of damage, fraying, or cuts before each use. Do not use the pump if the cord is damaged.

## TROUBLESHOOTING

For detailed troubleshooting steps and solutions to common issues, please refer to the official [Troubleshooting Guide \(PDF\)](#). Below are some general tips:

- **Pump Not Starting:** Check if the pump is properly plugged in. Ensure the float switch is in the 'on' position (floating upwards). Verify there is power to the outlet.
- **Low Flow Rate:** Inspect the intake and discharge ports for blockages. Check if the hose is kinked or too long for the pump's capacity.
- **Pump Runs Continuously:** Ensure the float switch is not obstructed and can drop freely to the 'off' position.
- **Pump Overheats:** The thermal overload protection will shut off the pump if it overheats. Allow it to cool down before restarting. Ensure the pump is fully submerged and not running dry.

## SPECIFICATIONS

Feature	Specification
Brand	LANCHEZ
Model Number	Q1000B1
Power Source	AC
Voltage	115 Volts (AC)
Motor Horsepower	1.6 HP
Maximum Flow Rate	4858 GPH (80.97 Gallons Per Minute)
Maximum Lifting Height	32 Feet
Max Submersible Depth	14 Feet
Max Particle Size	1.37 inches (34mm)
Power Cable Length	16 ft
Material	Plastic (Corrosion Resistant Thermoplastic Casing)
Item Weight	13.46 pounds
Product Dimensions	9.02"L x 7.01"W x 17.01"H



PRODUCT SIZE	LOAD CURRENT
6.3*6.7*14.4IN	5.9-7.4A
FREQUENCY	WEIGHTS
60HZ	14.64LBS
POWER	MAX DIVING DEPTH
1000W	14FT
MAX WATER TEMPERATURE	IMPELLER MATERIAL
95°F	PA66 GF30

INCLUDES CONNECTORS WIDTH(8.7IN)

Figure 7: Detailed product parameters and technical specifications.

## WARRANTY AND SUPPORT

LANCHEZ stands behind the quality of its products. Your sump pump includes:

- **3-Year Technical Support:** Comprehensive technical assistance is available for three years from the date of purchase.
- **Professional Assistance:** Access to professional support for any operational or maintenance queries.

For further assistance, please contact LANCHEZ customer service.



Figure 8: LANCHEZ commitment to lifetime after-sales service.