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> LANCHEZ Q550B256A 3/4HP 4500GPH Automatic Sump Pump Instruction Manual

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Model: Q550B256A

INTRODUCTION

Thank you for choosing the LANCHEZ 3/4HP 4500GPH Automatic Sump Pump. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your pump. Please read it thoroughly before use and retain it for future reference.

This submersible water pump is designed for efficient water removal from various areas such as basements, pools, garden ponds, and other flooded spaces. It features multiple operating modes and an adjustable base for versatile applications.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: Failure to follow these instructions may result in electric shock, fire, serious injury, or death.

- Always disconnect the pump from the power source before handling, servicing, or performing any maintenance.
- Do not operate the pump if the power cord is damaged. Contact qualified personnel for repair or replacement.
- Ensure the power outlet is properly grounded and protected by a Ground Fault Circuit Interrupter (GFCI).
- Do not use the pump for flammable or corrosive liquids.
- Keep children and unauthorized persons away from the pump during operation.
- Ensure the pump is fully submerged in water during operation to prevent dry running and motor damage.
- Do not lift or carry the pump by its power cord. Use the integrated handle.
- The pump is designed for water temperatures up to 95°F (35°C). Do not exceed this temperature.




Image: The LANCHEZ sump pump, illustrating its robust design and highlighting features like corrosion-resistant materials and thermal overload protection for safe and durable operation.

PRODUCT OVERVIEW

The LANCHEZ Q550B256A is a powerful and versatile automatic sump pump designed for various water removal tasks. Key features include:

- **Efficient Performance:** 3/4HP motor, capable of draining up to 4500 GPH and lifting water up to 26 feet vertically.
- **Low Suction Capability:** Bottom suction design removes water down to 0.04 inches from the surface.
- **Debris Handling:** Suitable for clean or dirty water, passing solid particles up to 1.4 inches.
- **Multiple Operating Modes:** Features 6 operating modes, including Auto, Timed, Manual, and Ultra-low Water Level modes, with adjustable start and stop water levels.
- **Durable Construction:** Made of reinforced engineering thermoplastic casing for corrosion and abrasion resistance.
- **Safety Features:** Built-in thermal overload protector prevents motor burnout during dry running. IPX8 waterproof certification.
- **Easy Installation:** Includes 1-1/2" elbow adapter and multi-purpose hose connector for various hose sizes (1", 1-1/4", 1-1/2", or NPT 1").



Image: The LANCHEZ 3/4HP 4500GPH Automatic Sump Pump, showcasing its compact design and integrated handle.

SETUP AND INSTALLATION

1. **Unpacking:** Carefully remove the pump and all accessories from the packaging. Inspect for any damage.
2. **Hose Connection:** Attach a suitable discharge hose to the pump's outlet. The pump comes with a 1-1/2" elbow adapter and a multi-purpose hose connector compatible with 1", 1-1/4", 1-1/2", or NPT 1" hoses. Ensure a secure, leak-free connection.



Image: Illustration of the adapter installation process, demonstrating how different hose sizes can be connected to the pump.

3. **Adjustable Base:** The pump features an adjustable base to control the minimum suction level. Adjust the base bracket to the desired height.



Image: Detail of the pump's adjustable base, which allows for ultra-low water removal down to 0.04 inches.

4. **Placement:** Place the pump on a stable, level surface in the area to be drained. Ensure the pump is fully submerged in water before operation.
5. **Power Connection:** Plug the pump into a properly grounded 115V/60Hz outlet protected by a GFCI.

OPERATING MODES

The LANCHEZ sump pump offers 6 operating modes for various applications. The control panel on the pump features buttons for adjusting water levels and setting timed operations.



Image: The pump's control panel, detailing the four primary operating modes: Auto, Timed, Manual, and Ultra-low Water Level.

1. Default Mode (Auto Mode)

- When plugged in, the pump enters default mode (levels 1-3).
- Maximum sensing water level: 3. Minimum suction water level: 1.
- The pump will automatically start when water reaches level 3 and stop when it drains to level 1.

2. Adjusting Water Levels

- The upper buttons (levels 4, 5, 6) set the maximum water level for startup.
- The lower buttons (levels 1, 2, 3) set the minimum water level for shutdown.
- Press and hold any button to set it as the water level for automatic startup. For example, holding button 4 will set the automatic startup level to 4.

3. Ultra-Low Water Level Mode

- To drain to the lowest possible level (0.04 inches), press and hold buttons 1 and 2 simultaneously.
- The pump will operate until the water reaches the ultra-low level and then automatically shut down after approximately 3 minutes.

4. Timed Mode

- Press and hold buttons 4, 5, or 6 to set a scheduled pumping time (e.g., 10 or 20 minutes).
- The indicator lights will count down the delay by turning off sequentially every 100/200 seconds, indicating the remaining time.

5. Manual Mode (Continuous Operation)

- For continuous operation, hold buttons 5 and 6 simultaneously.
- The pump will run continuously until manually turned off or a different mode is selected.

Video Demonstration of Operating Modes

Your browser does not support the video tag.

Video: A demonstration of the LANCHEZ Automatic Sump Pump's various operating modes, including default, adjustable levels, ultra-low drainage, timed operation, and continuous manual mode.

MAINTENANCE

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

- **Cleaning:** Periodically clean the pump's intake screen to remove debris that may obstruct water flow. Disconnect power before cleaning.
- **Inspection:** Regularly inspect the power cord for any signs of damage, cuts, or fraying.
- **Storage:** If storing the pump for an extended period, clean it thoroughly, drain all water, and store it in a dry, frost-free location.
- **Winterization:** In freezing temperatures, ensure the pump and discharge hose are completely drained to prevent ice damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start.	No power, tripped GFCI, motor overload, water level too low for auto-start.	Check power connection and GFCI. Allow motor to cool if overloaded. Ensure water level reaches the set auto-start level.
Pump runs but no water is discharged or flow is low.	Air lock, clogged intake screen/hose, discharge hose kinked or blocked.	Tilt the pump to expel trapped air. Clean the intake screen and discharge hose. Straighten any kinks in the hose.
Pump cycles too frequently.	Incorrect water level settings, small pit size, backflow from discharge pipe.	Adjust start/stop water levels. Check for proper check valve installation in the discharge line.
Pump makes excessive noise.	Debris in impeller, pump not stable, dry running.	Disconnect power and inspect impeller for debris. Ensure pump is on a stable surface. Verify pump is fully submerged.



Image: Important cautions for pump operation, including tilting the pump to release air if it cannot draw water and avoiding pulling the power cord.

TECHNICAL SPECIFICATIONS

Specification	Value
Brand	LANCHEZ
Model Number	Q550B256A
Power Source	Corded Electric
Horsepower	3/4 HP
Voltage	115 Volts / 60 Hz
Maximum Flow Rate	4500 GPH (75 Gallons Per Minute)

Specification	Value
Maximum Lifting Height	26 Feet
Amps	2.5 A
Protection Class	IPX8
Material	Thermoplastic
Product Dimensions (L x W x H)	10.3"L x 8.3"W x 12.6"H
Power Cord Length	16 Feet
Max. Solid Particle Size	1.4 inches
Min. Suction Level	0.04 inches



Image: A visual summary of the pump's technical specifications, including dimensions and electrical ratings.

WARRANTY AND CUSTOMER SUPPORT

This LANCHEZ water pump comes with a **36-month warranty** from the manufacturer.

LANCHEZ prioritizes customer satisfaction and offers exceptional after-sales support. If you have any questions, concerns, or require assistance, please contact LANCHEZ Customer Support. They are available 24/7 to address your inquiries.

For support, please refer to the contact information provided with your product packaging or visit the official LANCHEZ website.