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LANCHEZ JH07502

LANCHEZ In/Above Ground Pool Pump Instruction Manual

Model: JH07502
Brand: LANCHEZ

1. Introduction

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your LANCHEZ 1.5HP 6300GPH Dual Speed 230V In/Above Ground Pool Pump, Model JH07502. Please read all instructions carefully before use to ensure proper function and to prevent injury or damage.
The LANCHEZ pool pump features a powerful 2-speed motor (3,450RPM/1,720RPM) for effective water circulation, operating on 230V and 60Hz. It offers an impressive transfer rate of 6300GPH and a maximum head of 60FT. The thermally protected motor sustains a maximum water temperature of 122°F, ensuring durability and extended life. For convenience, it includes a removable debris basket and versatile 1.5" & 2" inlet/outlet options. A see-through lid allows for clear internal viewing.

2. Safety Information

Caution:

- Under no circumstances should the pump be switched on before being filled with water, as this could potentially cause harm to the mechanical seals and impeller.
- It is imperative to verify the water level within the pump before initiating operation.
- Initially, ensure the presence of the pump's drain plug. If inserted, water must be added accordingly. The excess water will seep into the pipeline and help generate suction.
- Always disconnect power before performing any maintenance or installation.
- Ensure all electrical connections are made by a qualified electrician and comply with local codes.

3. Product Overview

The LANCHEZ pool pump is designed for efficient water circulation in both in-ground and above-ground pools. Key components and features include:

- **Dual Speed Motor:** Provides flexibility for high-flow cleaning or energy-saving low-flow operation.

- **High Flow Rate:** Capable of moving up to 6300 gallons per hour.
- **Overheat Protection:** Built-in thermal protection for motor longevity.
- **Removable Debris Basket:** Large capacity basket for easy cleaning of leaves, hair, and other debris.
- **Transparent Lid:** Allows visual inspection of the filter basket without opening.
- **Universal Fittings:** Includes 1.5" and 2" NPT adapters for versatile connection options.

Figure 3.1: Internal view of the high-performance motor, highlighting its durable construction.

Figure 3.2: The large filter basket and transparent lid for easy debris monitoring and removal.

Figure 3.3: Labeled diagram of the pool pump components.

4. Setup and Installation

4.1 Electrical Wiring Connection

Proper electrical connection is crucial for safe and effective operation. Refer to the video below for a detailed guide on connecting the power cord wires.

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Video 4.1: Instructions on how to connect the wires of the LANCHEZ Dual Speed Pool Pump. This video demonstrates opening the junction box, connecting the power wires to terminals, and securing the ground wire before reassembling the cover.

4.2 Plumbing Connections

The pump comes with universal fittings for 1.5" and 2" NPT pipe and hose connections. Ensure all connections are tight and sealed to prevent leaks.

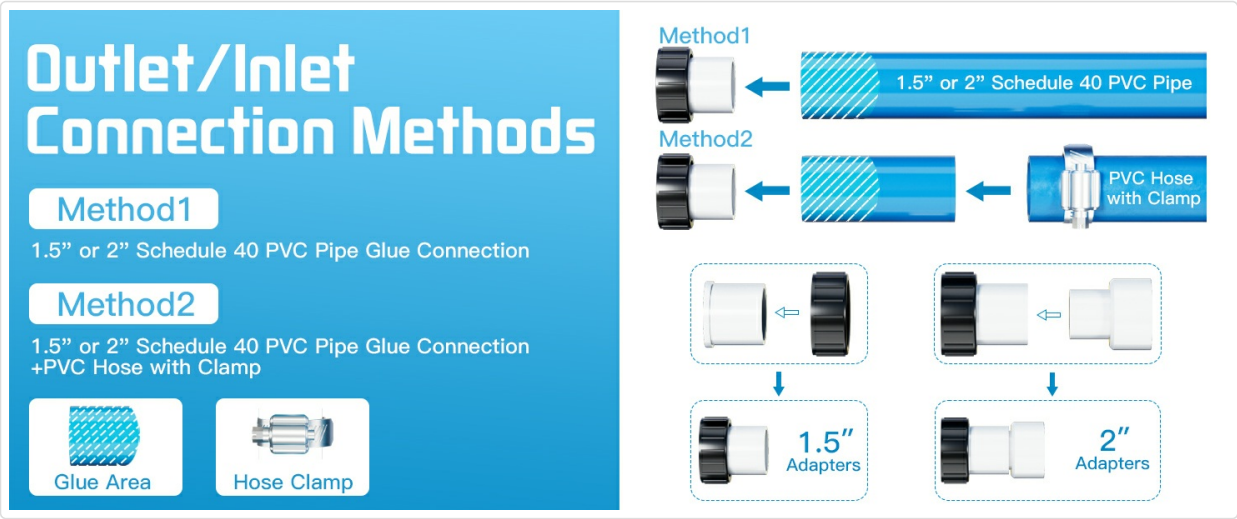

Figure 4.1: Outlet/Inlet Connection Methods for PVC pipe and hose.

4.3 Priming the Pump

Before initial use, the pump must be filled with water to ensure proper operation and prevent damage. This process is known as priming.

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Video 4.2: Overview of the LANCHEZ In/Above Ground Pool Pump, demonstrating the process of filling the pump with water before use and cleaning the filter basket.

1. Ensure the pump's drain plug is securely in place.
2. Remove the transparent lid of the strainer basket.
3. Fill the strainer basket with water until it overflows into the pump housing.
4. Replace the transparent lid, ensuring it is tightly sealed.
5. Once primed, the pump is ready for operation.

5. Operating Instructions

The LANCHEZ pool pump features a dual-speed motor, allowing you to choose between high-speed for maximum circulation and low-speed for energy efficiency and quieter operation.

5.1 Speed Selection

The pump is equipped with a speed change switch (refer to Figure 3.3, item 8) to toggle between high and low speeds. Select the appropriate speed based on your pool's needs:

- **High Speed (3,450 RPM):** Ideal for initial cleaning, backwashing, or when maximum water circulation is required.
- **Low Speed (1,720 RPM):** Suitable for daily filtration, maintaining water quality, and reducing energy consumption and noise.

Figure 5.1: Pump specifications and water flow diagram.

6. Maintenance

Regular maintenance ensures the longevity and efficient operation of your pool pump.

6.1 Cleaning the Filter Basket

The removable debris basket should be inspected and cleaned regularly, especially when the transparent lid indicates a buildup of debris. A clogged basket can reduce pump efficiency and potentially damage the motor.

1. Turn off the pump and disconnect it from the power source.
2. Unscrew and remove the transparent lid.
3. Carefully lift out the filter basket.
4. Empty any collected debris and rinse the basket thoroughly with water.
5. Inspect the O-ring on the lid for any damage and ensure it is clean.
6. Place the clean basket back into the pump housing.
7. Replace the lid and tighten it securely to prevent air leaks.

Detachable Basket Design

Filter debris, hair, leaves, grits, etc.

Figure 6.1: Detachable basket design for easy cleaning of debris.

6.2 Winterization

If you live in an area with freezing temperatures, proper winterization of your pool pump is essential to prevent damage. Consult your pool professional for specific winterization procedures for your system.

7. Troubleshooting

This section provides solutions to common issues you might encounter with your pool pump.

Problem	Possible Cause	Solution
Pump does not start	No power supply Motor overload Impeller jammed	Check power connection and circuit breaker Allow motor to cool, check for obstructions Clear any debris from the impeller
Low water flow	Clogged strainer basket Air leak in suction line Low water level in pool	Clean strainer basket Inspect and seal all suction line connections Add water to the pool
Pump is noisy	Air in system Vibrations Worn bearings	Check for air leaks, ensure pump is primed Ensure pump is securely mounted Contact customer support for service
Water leaking from pump	Loose connections Damaged O-rings/seals Cracked housing	Tighten all plumbing connections Inspect and replace O-rings/seals Contact customer support

8. Specifications

Feature	Detail
Brand	LANCHEZ
Model Number	JH07502
Horsepower	1.5 HP

Feature	Detail
Voltage	230 Volts
Frequency	60 Hz
Amperage	6/1.8 Amps
Speed	Dual Speed (3,450 RPM / 1,720 RPM)
Maximum Flow Rate	6300 GPH (105 Gallons Per Minute)
Maximum Head	60 Feet
Maximum Water Temperature	122°F
Product Dimensions	28.59"L x 9.4"W x 12.6"H
Item Weight	28.6 Pounds
Material	Plastic
Inlet/Outlet Options	1.5" & 2" NPT Adapter
Specific Uses	Above Ground Pool, Inground Pool, Pool

9. Warranty and Support

Your LANCHEZ pool pump comes with a**3-Year Manufacturer Warranty**. For warranty claims, technical assistance, or any questions regarding your product, please contact LANCHEZ customer support. Ensure you have your model number (JH07502) and purchase information available when contacting support.

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