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### LANCHEZ JH07502

# LANCHEZ In/Above Ground Pool Pump User Manual

Model: JH07502

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## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your LANCHEZ In/Above Ground Pool Pump. Please read all instructions carefully before installation, operation, or maintenance. Proper use and care will ensure optimal performance and longevity of your pool pump.



Image: The LANCHEZ In/Above Ground Pool Pump shown with its various components and accessories, including the pump unit, filter basket, and connection adapters.

## 2. IMPORTANT SAFETY INFORMATION

**WARNING: To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.**

**WARNING: Risk of Electric Shock. Connect only to a grounding type receptacle protected by a ground-fault circuit interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.**

- Always disconnect power to the pump before performing any service or maintenance.
- Ensure the pump is filled with water before starting operation to prevent damage to mechanical seals and impeller.
- Do not operate the pump if the power cord or plug is damaged.
- Keep all electrical connections dry and away from water.
- This pump is designed for use with swimming pools and should not be used for other purposes.
- The motor is thermally protected and sustains a maximum water temperature of 104°F (40°C).

## 3. PRODUCT COMPONENTS AND OVERVIEW

Familiarize yourself with the main parts of your LANCHEZ pool pump:



### Offers Excellent Customer Support

Pool pumps undergo rigorous testing thousands of times to ensure safety, performance, and compliance.



*Image: An exploded view diagram illustrating the various numbered components of the LANCHEZ pool pump, including inlet/outlet adapters, filter basket, drain plug, earthing terminal, junction box, high performance motor, speed change switch, adapter fitting, waterproof rubber ring, and sealing tape.*

1. 1.5" Inlet/Outlet Adapters
2. 2" Inlet/Outlet Adapters
3. Filter Basket
4. Drain Plug
5. Earthing Terminal
6. Junction Box
7. High Performance Motor
8. Speed Change Switch
9. Adapter Fitting
10. Waterproof Rubber Ring
11. Sealing Tape

# HIGH-PERFORMANCE

*Dual Speed / Durable Motor*  
*Safe, Reliable and Quiet Operation*



QUIET



OVERHEAT  
PROTECTION



HIGH  
PRESSURE



SELF  
PRIMING



*Image: A cutaway view of the LANCHEZ pool pump motor, highlighting its internal components and emphasizing features like quiet operation, overheat protection, high pressure, and self-priming capabilities.*

## 4. SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and safety. Follow these steps carefully:

### 4.1 Initial Water Fill

Before initial use, or after the pump has been drained, it is imperative to fill the pump with water. This prevents damage to the mechanical seals and impeller from dry running.

1. Ensure the pump's drain plug is securely inserted.
2. Open the transparent lid of the filter basket.
3. Pour water directly into the filter basket until the pump housing is full.
4. Securely close the transparent lid.

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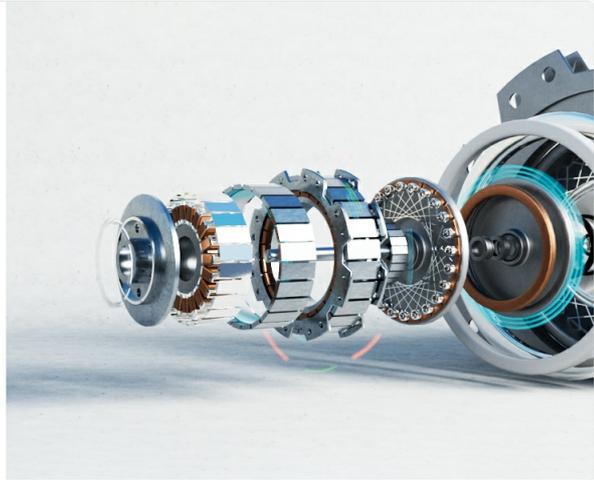
*Video: This video demonstrates the process of filling the LANCHEZ pool pump with water before its first use, showing the removal of the lid, pouring water into the basket, and re-securing the lid. It also shows the powerful flow once the pump is running and the easy removal of the filter basket for cleaning.*

### 4.2 Pipe and Hose Connection

The pump supports both 1.5" and 2" Schedule 40 PVC pipe glue connections and PVC hose connections with clamps.

## Continuous High Performance Motor

- Strong power bring high flow
- More efficient circulation
- Stable operation and low noise level



*Image: A visual guide detailing two methods for connecting the LANCHEZ pool pump's outlet/inlet: Method 1 for 1.5" or 2" Schedule 40 PVC Pipe Glue Connection, and Method 2 for 1.5" or 2" Schedule 40 PVC Pipe Glue Connection combined with PVC Hose with Clamp, showing the necessary adapters.*

1. Identify the appropriate inlet and outlet ports on the pump.
2. Select the correct 1.5" or 2" adapters based on your plumbing.
3. Apply sealing tape (Teflon tape) to threaded connections to ensure a watertight seal.
4. For PVC pipe connections, use appropriate PVC glue and primer. Allow sufficient drying time.
5. For hose connections, secure the hose with clamps after attaching it to the adapter.
6. Ensure all connections are tight and leak-free.



Image: The LANCHEZ pool pump displayed with its overall dimensions (length, width, height) and an illustration of the included universal fittings for both 1.5-inch and 2-inch pipe/hose connections.

## 5. OPERATING INSTRUCTIONS

The LANCHEZ pool pump features a dual-speed motor for versatile operation.

### 5.1 Dual Speed Operation

The pump offers two speeds: High Speed (3,450 RPM) for maximum flow and quick cleaning, and Low Speed (1,720 RPM) for energy efficiency and quieter daily circulation.

# HIGH SPEED

High Flow & High Efficiency

Party Time



H O L

# LOW SPEED

Low Noise & Energy Saving

Daily Use



*Image: A visual comparison illustrating the benefits of the pump's dual-speed functionality: "High Speed" for high flow and efficiency, suitable for "Party Time" (quick cleaning), and "Low Speed" for low noise and energy saving, ideal for "Daily Use."*

- **High Speed:** Use for initial pool cleaning, backwashing, or when rapid water circulation is required.
- **Low Speed:** Ideal for continuous daily filtration, maintaining water clarity, and reducing energy consumption and noise.

Refer to the pump's control panel or switch for speed selection. Ensure the pump is running smoothly and quietly after startup.



**1.5HP**  
STABLE FLOW

Speed: **1720~3450RPM**  
Max. Flow: **2800~6300GPH**  
Voltage: **115V/60Hz**

*Image: A diagram showing the flow of water through the LANCHEZ pool pump, indicating the "Inlet" for pool water and the "Outlet" for clean water, along with key specifications like 1.5HP, Speed (1720-3450RPM), Max. Flow (2800-6300GPH), and Voltage (115V/60Hz).*

## 6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your pool pump.

### 6.1 Cleaning the Filter Basket

The removable debris basket collects leaves, hair, and other large particles, preventing them from reaching the pump impeller. Regular cleaning is essential.



*Image: A close-up view of the LANCHEZ pool pump's large filter basket, shown removed from the pump and containing collected debris, with icons indicating its effectiveness against leaves, hair, branches, and grit.*

1. Turn off the pump and disconnect power.
2. Open the transparent lid of the filter basket by turning it counter-clockwise.
3. Remove 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 or wear. Replace if necessary.
6. Place the clean basket back into the pump.
7. Securely close the transparent lid by turning it clockwise until tight.
8. Before restarting, ensure the pump is filled with water as described in Section 4.1.

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*Video: This video demonstrates the process of filling the LANCHEZ pool pump with water before its first use, showing the removal of the lid, pouring water into the basket, and re-securing the lid. It also shows the powerful flow once the pump is running and the easy removal of the filter basket for cleaning.*

## 6.2 Winterization (if applicable)

If you live in an area with freezing temperatures, proper winterization of your pool pump is essential to prevent damage:

- Drain all water from the pump by removing the drain plug.
- Store the pump in a dry, frost-free location.
- Consider lubricating O-rings and seals with a silicone-based lubricant.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your pool pump.

Problem	Possible Cause	Solution
Pump does not start	No power; tripped GFCI; motor overload.	Check power supply; reset GFCI; allow motor to cool and reset thermal protector.
Pump runs but no water flow	Pump not primed; clogged filter basket; air leak in suction line.	Fill pump with water (prime); clean filter basket; check all suction line connections for leaks.
Low water flow	Partially clogged filter basket; restricted plumbing; low water level in pool.	Clean filter basket; check for obstructions in pipes; ensure adequate pool water level.
Excessive noise/vibration	Air in system; pump not securely mounted; worn bearings.	Check for air leaks in suction line; ensure pump is mounted firmly; contact customer support if bearings are suspected.

## 8. SPECIFICATIONS

Feature	Detail
Brand	LANCHEZ
Model Number	JH07502
Power Source	Electric
Horsepower	1.5 HP
Voltage	115V
Frequency	60Hz
Amperage	6/1.8 Amps (High/Low Speed)
Maximum Flow Rate	6300 GPH (105 Gallons Per Minute)
Maximum Head	60 Feet
Motor Speed	3,450 RPM (High) / 1,720 RPM (Low)
Max Water Temperature	104°F (40°C)
Product Dimensions	28.6"L x 9.4"W x 12.6"H
Item Weight	28.6 Pounds
Material	Plastic
Included Components	J07502 UL-2-L Pool Pump

For optimal pool size matching, refer to the following guidelines:

# Outlet/Inlet Connection Methods

## Method1

1.5" or 2" Schedule 40 PVC Pipe Glue Connection

## Method2

1.5" or 2" Schedule 40 PVC Pipe Glue Connection +PVC Hose with Clamp

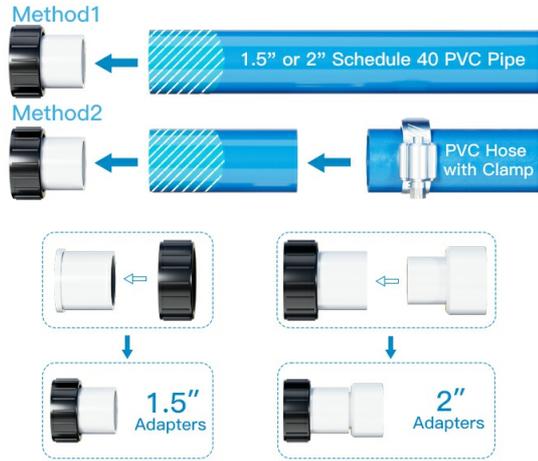


Image: A chart recommending the appropriate pump horsepower (HP) for various round pool sizes and corresponding gallon capacities.

# Product Description

- ① 1.5" Inlet /Outlet Adapters
- ② 2" Inlet /Outlet Adapters
- ③ Filter Basket
- ④ Drain Plug
- ⑤ Earthing Terminal
- ⑥ Junction Box
- ⑦ High Performance Motor
- ⑧ Speed Change Switch
- ⑨ Adapter Fitting
- ⑩ Waterproof Rubber Ring
- ⑪ Sealing Tape



Image: A chart recommending the appropriate pump horsepower (HP) for various square/rectangular pool sizes and corresponding gallon capacities.



## ROUND POOL

POOL SIZE	GALLONS	HP
12FT	4500	1.5HP/2.0HP
15FT	5900	1.5HP/2.0HP
18FT	8400	2.0HP
21FT	12200	2.0HP
24FT	15500	2.0HP
26FT	18800	2.0HP
28FT	22000	2.0HP

Image: A chart recommending the appropriate pump horsepower (HP) for various oval pool sizes and corresponding gallon capacities.

# SQUARE POLL

POOL SIZE	GALLONS	HP
10FTx22FT	4600	1.5HP/2.0HP
12FTx24FT	6000	1.5HP/2.0HP
16FTx30FT	7200	2.0HP
16FTx32FT	8600	2.0HP
16FTx36FT	15600	2.0HP
18FTx36FT	24800	2.0HP
20FTx40FT	30500	2.0HP



*Image: A chart recommending the appropriate pump horsepower (HP) for various kidney-shaped pool sizes and corresponding gallon capacities.*

## 9. WARRANTY & SUPPORT

LANCHEZ products are manufactured to high-quality standards and undergo rigorous testing. This product comes with a manufacturer's warranty covering defects in materials and workmanship under normal use.

- **Warranty Period:** Please refer to your purchase documentation or the product packaging for specific warranty duration.
- **Customer Service:** For technical assistance, troubleshooting, or warranty claims, please contact LANCHEZ customer support.
- **Contact Information:** Refer to the contact details provided on the product packaging or the official LANCHEZ website.

Please retain your proof of purchase for warranty purposes.