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› LANCHEZ In/Above Ground Pool Pump User Manual

LANCHEZ JH11502

LANCHEZ In/Above Ground Pool Pump User Manual

Model: JH11502

IMPORTANT SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow these instructions could result in serious injury or death.

- Always disconnect power before servicing the pump.
- Ensure the pump is filled with water before initial operation to prevent damage to mechanical seals and impeller.
- This pump is designed for use with swimming pools. Do not use for other purposes.
- Ensure proper electrical grounding and wiring according to local codes.
- Keep children away from the pump and pool area during operation.

PRODUCT OVERVIEW

The LANCHEZ In/Above Ground Pool Pump is a self-priming, dual-speed pump designed for efficient water circulation and filtration in various pool types. It features a powerful motor, a large strainer basket, and versatile connection options.



Image: The LANCHEZ pool pump shown with its main components, including the pump body, motor, strainer basket, and various adapters for installation.

Key Features:

- **Dual Speed Motor:** Powerful 2-speed motor (3,450RPM/1,720RPM) for effective water circulation, operating on 230V and 60Hz with 7.5/2.1 Amps.
- **High Flow Rate:** Impressive transfer rate of 6600 GPH and Max head 69 FT, ensuring quick and efficient water movement.
- **Overheat Protection:** Thermally protected motor sustains a maximum water temperature of 122°F, providing durability and extended life.
- **Convenient Design:** Features a removable debris basket for easy cleaning, with versatile inlet/outlet options of 1.5" & 2". See-through lid allows clear internal viewing.
- **Self-Priming:** Designed to automatically prime itself after initial fill.

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: Diagram illustrating the main components of the pool pump: 1.5" Inlet/Outlet Adapters, 2" 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.

SETUP AND INSTALLATION

Pre-Installation Checklist:

- Ensure the installation site is level, well-drained, and protected from direct weather exposure.
- Verify that the power supply matches the pump's voltage (230V).
- Gather necessary tools and plumbing supplies (PVC pipes, hose clamps, thread sealant, etc.).

Installation Steps:

- 1. Positioning the Pump:** Place the pump on a solid, level surface as close to the pool as possible to minimize friction loss in plumbing.
- 2. Plumbing Connections:**
 - Attach the appropriate 1.5" or 2" NPT adapters to the pump's inlet and outlet ports. Use thread sealant tape for a watertight seal.
 - Connect the plumbing from your pool's skimmer/main drain to the pump's inlet (suction side) and the plumbing to your filter/return jets to the pump's outlet (discharge side).
 - Ensure all connections are secure and leak-free.

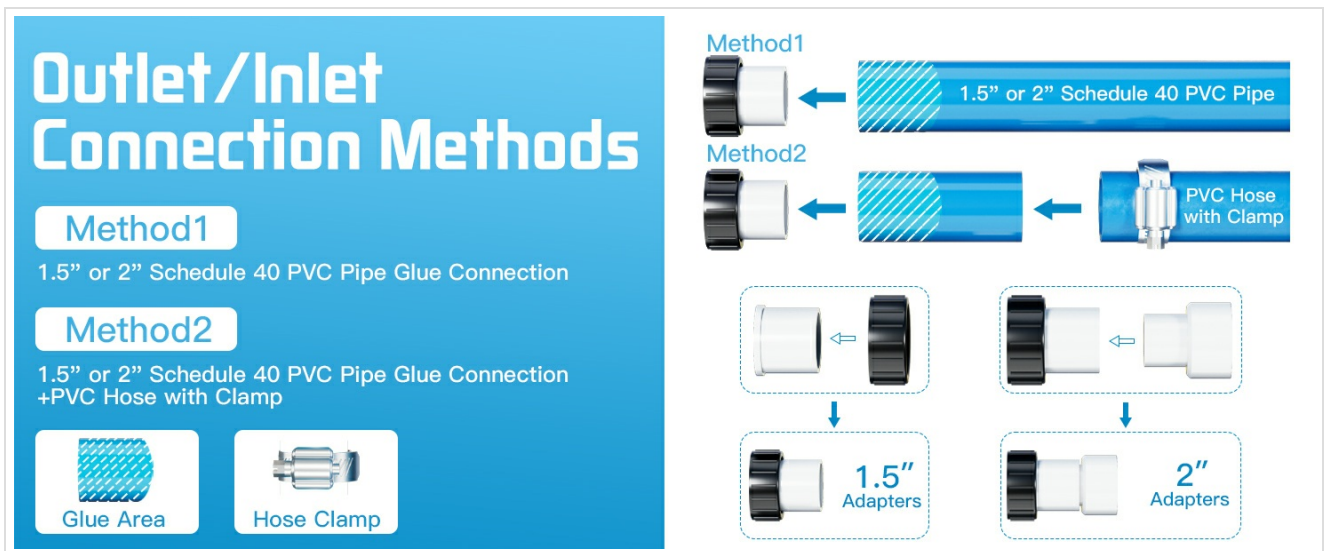


Image: Diagram showing two methods for outlet/inlet connection: Method 1 for 1.5" or 2" Schedule 40 PVC Pipe Glue Connection, and Method 2 for 1.5" or 2" Schedule 40 PVC Pipe Glue Connection + PVC Hose with Clamp. Includes visual guides for adapters.

3. Electrical Connection:

This pump does not include a power cord. A qualified electrician should perform all electrical wiring. Connect the pump to a dedicated, properly grounded 230V, 60Hz circuit with appropriate overcurrent protection.

4. Priming the Pump:

Before initial startup, the pump must be filled with water. Remove the transparent lid of the strainer basket and fill the basket completely with water. Replace the lid securely.

Video: This video demonstrates the initial setup and priming process for the LANCHEZ pool pump, including filling the strainer basket with water before operation.

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.

OPERATING INSTRUCTIONS

Starting the Pump:

1. Ensure all valves are open to allow water flow to and from the pump.
2. Confirm the pump is primed (strainer basket full of water).
3. Turn on the power to the pump. The pump should begin to circulate water.

Dual Speed Operation:

The LANCHEZ pool pump features a dual-speed motor, allowing you to choose between high and low speeds for different operational needs.

- **High Speed (3,450 RPM):** Ideal for rapid water circulation, backwashing, vacuuming, and initial pool cleaning. Provides maximum flow rate (6600 GPH).
- **Low Speed (1,720 RPM):** Suitable for daily filtration, maintaining water clarity, and energy saving. Operates with reduced noise and lower power consumption.

Use the speed change switch located on the pump to toggle between high and low speeds.

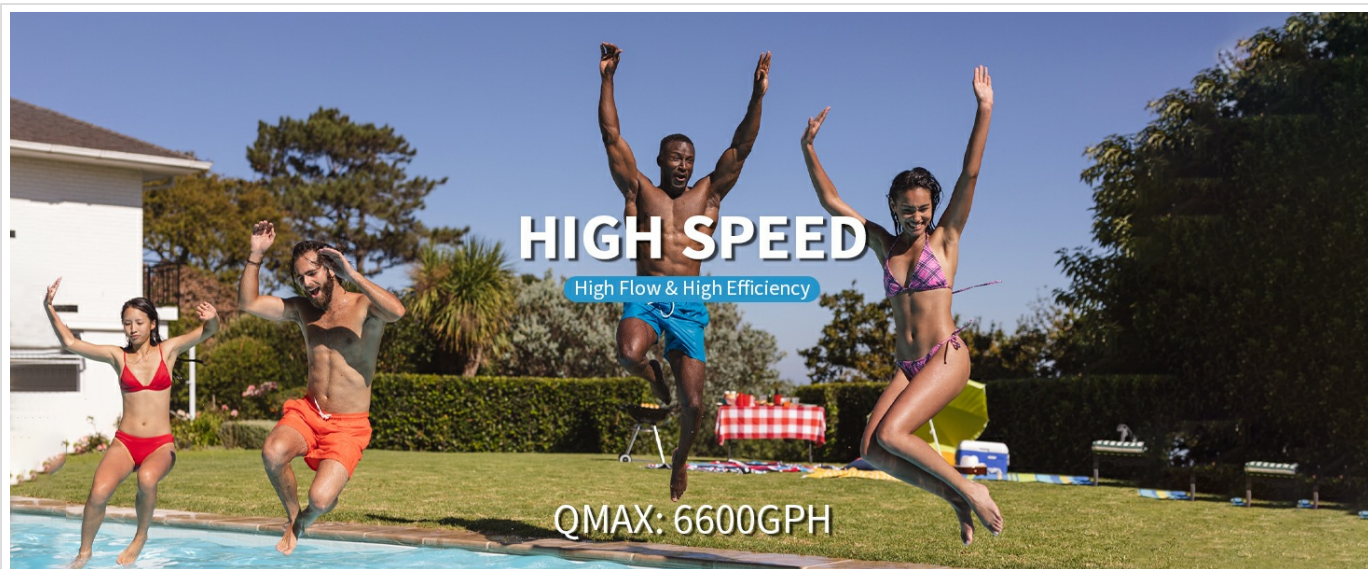


Image: Illustration of high-speed operation, suitable for high flow and efficiency, often used during peak activity or for quick cleaning.



Image: Illustration of low-speed operation, ideal for low noise and energy saving, recommended for daily filtration and continuous use.

MAINTENANCE

Strainer Basket Cleaning:

Regular cleaning of the strainer basket is crucial for optimal pump performance and to prevent damage. The transparent lid allows for easy visual inspection.

1. Turn off the pump and disconnect power.
2. Close any necessary valves to prevent water flow from the pool.
3. Unscrew the transparent lid counter-clockwise.
4. Remove the strainer basket and empty any collected debris (leaves, hair, grit, etc.).
5. Rinse the basket thoroughly with water.
6. Inspect the O-ring on the lid for cracks or wear. Replace if necessary.
7. Place the clean basket back into the pump, ensuring it is seated correctly.
8. Replace the transparent lid and tighten it clockwise until snug. Do not overtighten.

9. Re-open valves and restore power.



Image: The large filter basket, designed to capture debris such as leaves, hair, branches, and grit, ensuring clean water circulation.

Transparent Lid

Allow users to observe inside anytime and clean it in time.



Image: The transparent lid feature, allowing users to observe the inside of the strainer basket at any time and clean it promptly when needed.

Winterization:

In areas subject to freezing temperatures, the pump must be properly winterized to prevent damage.

- Drain all water from the pump by removing the drain plug.
- Store the pump in a dry, protected area where it will not freeze.
- Consider using a pool winterizing kit for your entire pool system.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start or hums but does not pump.	No power; Low voltage; Motor overload; Impeller jammed.	Check power supply/breaker; Verify voltage; Allow motor to cool and reset; Clear any debris from impeller.
Pump runs but no water flow or low flow.	Pump not primed; Air leak in suction line; Clogged strainer basket; Closed valves; Low water level in pool.	Re-prime pump; Check all suction connections for leaks; Clean strainer basket; Open all valves; Add water to pool.
Pump is noisy.	Air leak in suction line; Cavitation (lack of water); Worn bearings.	Check suction connections; Ensure pump is fully primed and water level is adequate; Contact customer support for bearing issues.
Water leaking from pump.	Loose connections; Damaged O-ring/seal; Cracked housing.	Tighten connections; Inspect and replace O-rings/seals; Contact customer support for cracked housing.

SPECIFICATIONS

Specification	Value
Model Number	JH11502

Specification	Value
Horsepower (HP)	2 HP
Voltage	230 Volts
Frequency	60 Hz
Amperage	7.5/2.1 Amps
Wattage	1500 watts
Speeds	Dual Speed (3,450 RPM / 1,720 RPM)
Maximum Flow Rate	6600 GPH (110 Gallons Per Minute)
Maximum Head	69 Feet
Inlet/Outlet Connections	1.5" & 2" NPT Adapter
Maximum Water Temperature	122°F (50°C)
Product Dimensions (L x W x H)	28.6" x 9.4" x 12.6"
Item Weight	30.9 Pounds
Material	Plastic
Color	Black

Recommended Pool Sizes:

The following tables provide general guidance for suitable pool sizes based on pool shape and volume for a 2 HP pump. Actual requirements may vary based on plumbing, filter type, and usage.



Image: Chart showing recommended pool sizes (in feet) and corresponding gallons for round pools, indicating suitable HP ratings (1.5HP/2.0HP or 2.0HP).

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: Chart showing recommended pool sizes (in feet) and corresponding gallons for square/rectangular pools, indicating suitable HP ratings (1.5HP/2.0HP or 2.0HP).

OVAL POOL

POOL SIZE	GALLONS	HP
10FTx23FT	5000	1.5HP/2.0HP
12FTx26FT	6800	1.5HP/2.0HP
15FTx28FT	9800	2.0HP
18FTx32FT	10500	2.0HP
18FTx36FT	15500	2.0HP
18FTx40FT	20800	2.0HP
20FTx38FT	25800	2.0HP



Image: Chart showing recommended pool sizes (in feet) and corresponding gallons for oval pools, indicating suitable HP ratings (1.5HP/2.0HP or 2.0HP).

KIDNEY POOL

POOL SIZE	GALLONS	HP
14FTx28FT	4600	1.5HP/2.0HP
16FTx32FT	6200	1.5HP/2.0HP
18FTx36FT	9200	2.0HP
20FTx40FT	10800	2.0HP
22FTx40FT	12800	2.0HP
24FTx42FT	15800	2.0HP
26FTx42FT	20500	2.0HP



Image: Chart showing recommended pool sizes (in feet) and corresponding gallons for kidney-shaped pools, indicating suitable HP ratings (1.5HP/2.0HP or 2.0HP).

WARRANTY AND SUPPORT

LANCHEZ products are designed for durability and performance. For warranty information and customer support, please refer to the contact details provided with your purchase or visit the official LANCHEZ website.

The manufacturer offers a 3-year quality guarantee for this product.



Offers Excellent Customer Support

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



Image: Information regarding customer support and the 3-year quality guarantee provided by LANCHEZ for their pool pumps.

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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.

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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

