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LANCHEZ JH15001

LANCHEZ In/Above Ground Pool Pump User Manual

Model: JH15001 | Brand: LANCHEZ

1. Important Safety Information

Please read and understand all instructions before installing, operating, or maintaining this product. Failure to follow these instructions may result in electric shock, fire, serious injury, or death.

- **Electrical Safety:** This pump operates on dual voltage (115V/230V). Ensure the correct voltage is selected and wired by a qualified electrician. Do not switch voltage when the pump is plugged in. The power cord is not included and must be installed according to local electrical codes.
- **Water Priming:** Under no circumstances should the pump be switched on before being filled with water. Operating the pump dry can cause severe damage to the mechanical seals and impeller. Always verify the water level within the pump before initiating operation. Ensure the pump's drain plug is inserted, and water is added to the pump housing until it is full.
- **Overheat Protection:** The motor is thermally protected and designed to sustain a maximum water temperature of 104°F (40°C). Do not exceed this temperature.
- **Installation:** Install the pump on a solid, level surface. Ensure proper ventilation around the pump.
- **Maintenance:** Disconnect power before performing any maintenance or cleaning.

2. Product Overview

The LANCHEZ In/Above Ground Pool Pump is designed for efficient water circulation and filtration in various pool types. It features a high-performance motor, dual voltage capability, and a large debris basket for easy maintenance.

Figure 2.1: LANCHEZ Pool Pump and included accessories.

Key Features:

- **Dual Voltage:** Seamlessly accommodates 115V or 230V input, operating at full power.
- **High Flow Rate:** Impressive transfer rate of 6800 GPH (Gallons Per Hour) and a maximum head of 79 feet.
- **Overheat Protection:** Thermally protected motor for durability.
- **Convenient Maintenance:** Features a removable debris basket and a see-through lid for easy monitoring and cleaning.
- **Versatile Connections:** Includes 1.5" and 2" inlet/outlet options.

Figure 2.2: Product components diagram.

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. Voltage Change Switch
9. Adapter Fitting
10. Waterproof Rubber Ring
11. Sealing Tape

3. Setup and Installation

Proper installation is crucial for the pump's performance and safety. This pump does not include a power cord and requires electrical wiring.

3.1 Electrical Connection (Dual Voltage)

The LANCHEZ pool pump supports both 115V and 230V operation. The voltage selection is typically made via a switch or wiring configuration within the junction box (Item 6 in Figure 2.2). Consult a qualified electrician to ensure correct wiring for your specific voltage supply. **Do not attempt to switch voltage while the pump is connected to power.**

3.2 Plumbing Connections

The pump offers versatile inlet/outlet options for 1.5" and 2" pipes. Use the provided adapters and sealing tape for a secure, leak-free connection.

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

Figure 3.1: Outlet/Inlet Connection Methods.

- **Method 1: 1.5" or 2" Schedule 40 PVC Pipe Glue Connection:** Use appropriate PVC cement for a permanent connection.
- **Method 2: 1.5" or 2" Schedule 40 PVC Pipe Glue Connection + PVC Hose with Clamp:** For flexible hose connections, ensure clamps are tightened securely.

3.3 Priming the Pump

Before initial startup or after the pump has been drained, it is critical to prime the pump. This involves filling the pump housing with water to ensure proper operation and prevent damage.

1. Ensure the pump's drain plug (Item 4 in Figure 2.2) is securely inserted.
2. Remove the transparent lid (above the filter basket).
3. Fill the filter basket area completely with water until it overflows into the inlet pipe.
4. Replace the transparent lid, ensuring it is tightly sealed.
5. Once filled, the pump is ready for operation.

Your browser does not support the video tag.

Video 3.1: Demonstrates the priming process, filter basket cleaning, and installation of fittings for the LANCHEZ Pool Pump.

4. Operating Instructions

After proper installation and priming, the pump is ready for operation.

4.1 Starting the Pump

Ensure the pump is primed and all connections are secure. Turn on the electrical power supply to the pump. The pump should start circulating water immediately.

Figure 4.1: High-Performance Motor features.

4.2 Monitoring Performance

Observe the water flow through the transparent lid. A strong, consistent flow indicates proper operation. If the flow is weak or inconsistent, check for air leaks, blockages, or insufficient priming.

Detachable Basket Design

Filter debris, hair, leaves, grits, etc.

Figure 4.2: Transparent Lid for easy monitoring.

5. Maintenance

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

5.1 Cleaning the Filter Basket

The removable debris basket collects leaves, hair, and other large particles. It should be inspected and cleaned regularly, depending on the amount of debris in your pool.

1. Turn off the pump and disconnect it from the power supply.
2. Unscrew and remove the transparent lid.
3. 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 or wear. Clean and lubricate if necessary.
6. Place the clean basket back into the pump housing.
7. Securely replace the transparent lid, ensuring a tight seal.
8. Re-prime the pump if necessary before restarting.

Figure 5.1: Large filter basket for debris collection.

Figure 5.2: Detachable basket design for easy cleaning.

5.2 Winterization

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 using a pool winterizing kit for your entire pool system.

6. Troubleshooting

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

Problem	Possible Cause	Solution
Pump does not start	No power; Incorrect wiring; Motor overload; Faulty switch	Check power supply and circuit breaker. Verify wiring with an electrician. Allow motor to cool if overheated. Inspect switch.
Pump runs but no water flow / Low flow	Pump not primed; Air leak in suction line; Clogged filter basket; Clogged impeller; Low water level in pool	Re-prime the pump. Check all connections for air leaks. Clean filter basket. Inspect impeller for debris. Ensure adequate pool water level.
Pump is noisy	Air leak in suction line; Cavitation (lack of water); Worn bearings; Debris in impeller	Check for air leaks. Ensure pump is fully primed. Contact customer support if bearings are suspected. Clean impeller.
Water leaking from pump	Loose connections; Damaged O-rings/seals; Cracked housing	Tighten all plumbing connections. Inspect and replace O-rings/seals if damaged. Contact customer support for housing issues.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact LANCHEZ customer support.

7. Specifications

Detailed technical specifications for the LANCHEZ In/Above Ground Pool Pump (Model JH15001).

Specification	Value
Brand	LANCHEZ
Model Number	JH15001

Specification	Value
Style	2.5 HP Dual Voltage 115-230V
Power Source	Electric
Voltage	115 Volts / 230 Volts (Dual)
Wattage	1800 watts
Maximum Flow Rate	6800 GPH (113 Gallons Per Minute)
Maximum Lifting Height (Head)	79 Feet
Product Dimensions (L x W x H)	28.6" x 9.4" x 12.6"
Item Weight	35.6 pounds
Material	Plastic
Included Components	J15001 UL-1 Pool Pump

Figure 7.1: Detailed performance specifications.

8. Warranty and Support

LANCHEZ is committed to providing quality products and excellent customer service.

8.1 Warranty Information

This product may be eligible for extended protection plans. Please refer to your purchase documentation for specific warranty terms and conditions. LANCHEZ products undergo rigorous testing to ensure safety, performance, and compliance.

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact LANCHEZ customer service. We are available to assist you with your product needs.

Contact information can typically be found on the product packaging, the official LANCHEZ website, or through your retailer.

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