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› FOTING In/Above Ground Pool Pump CLP8005 User Manual

FOTING CLP8005

FOTING In/Above Ground Pool Pump CLP8005 User Manual

Model: CLP8005

Important: Read this manual completely before installation and operation.

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your FOTING In/Above Ground Pool Pump, Model CLP8005. This pump is designed for efficient water circulation in various common swimming pools, hot tubs, and spas. It features a 1HP motor, a flow rate of up to 4500 GPH, and self-priming capabilities.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock or Electrocutation.

- Always disconnect power to the pump before performing any service or maintenance.
- Ensure the pump is installed by a qualified electrician in accordance with all local and national electrical codes.
- Do not operate the pump if the power cord is damaged.
- Keep children away from the pump and electrical connections.
- The pump is designed for permanent installation. Do not use with storable pools.
- Ensure proper grounding and bonding as required by local codes.
- Do not run the pump dry. This can cause severe damage and void the warranty.

CAUTION: Risk of Injury or Property Damage.

- Always relieve pressure in the system before working on the pump or filter.
- Ensure all connections are secure to prevent leaks.
- Do not operate the pump in freezing temperatures. Drain the pump completely if freezing conditions are expected.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- FOTING Pool Pump (Model CLP8005)
- Filter Basket
- Transparent Cover for Filter Basket
- 1.5-inch Couplers (x2)
- User Manual



Image: FOTING pool pump with its removable extra-large filter basket, designed to capture leaves, twigs, and gravel.

4. SPECIFICATIONS

Feature	Specification
Brand	FOTING

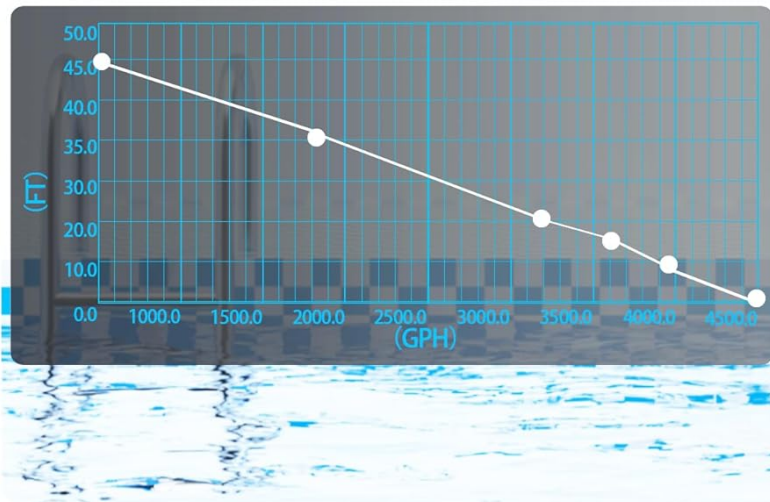
Feature	Specification
Model Number	CLP8005
Power Source	Corded Electric
Motor Horsepower	1 HP
Voltage	115V / 60Hz
Maximum Flow Rate	4500 GPH
Maximum Head Lift	45 Feet
Motor Full Load Current	2.1/7.5 A
Maximum Speed	3450 R/M
Operating Noise Level	Under 60 dB
Protection Type	IPX4
Cable Length	25 FT
Unit Count	1.0 Count

HEAVY DUTY POOL PUMP

TECHNICAL SPECIFICATIONS



Voltage 110V-120	Horse Power 1 HP
Max. Flow Rate 4500 GPH	Max. Height 45 FT
Motor Full Load 2.1/7.5 A	Cable Length 25 FT
Maximum Speed 3450 R/M	Operating Noise Under 60 dB
Service Life 3000 Hours	Protection Type IPX4



Thermal Overload Protection

3 Year Foting After Service For You

GPH of Water @ Total FT . of Head

5	10	30	40	45
4000 GPH	3900 GPH	2500 GPH	1200 GPH	100 GPH

Image: Detailed technical specifications for the FOTING pool pump, including electrical and performance data.

5. SETUP AND INSTALLATION

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

5.1 Site Selection

- Install the pump as close to the pool as possible to minimize friction loss from long suction lines.
- Ensure the location is well-ventilated and protected from direct sunlight and excessive moisture.
- Provide adequate space around the pump for maintenance and service.
- Mount the pump on a firm, level base to prevent vibration and noise.

5.2 Plumbing Connections

The pump is equipped with 1.5-inch NPT inlet and outlet ports. Use appropriate plumbing fittings and sealant tape for a watertight seal.

MULTI-SCENES APPLICATION



Image: Illustration of the pump's connection method, highlighting the 1.5-inch couplers for plumbing.

1. Apply thread sealant tape (Teflon tape) to all male pipe threads.
2. Connect the suction line (from the pool skimmer/main drain) to the pump's inlet (front port).
3. Connect the discharge line (to the filter) to the pump's outlet (top port).
4. Ensure all connections are hand-tightened, then use a wrench for an additional 1/2 to 1 turn. Do not overtighten.
5. **Note on Fittings:** Some users have reported that the provided connectors may not pair easily with standard 1.5-inch hoses or PVC fittings. It may be necessary to adapt to 1 1/4-inch PVC pipe or acquire additional hardware for proper connection. Ensure a secure, leak-free fit.

5.3 Electrical Connection

WARNING: Electrical installation must be performed by a licensed electrician.

- The pump operates on 115V / 60Hz. Ensure your power supply matches these requirements.
- The pump is equipped with a 25 FT power cable.
- Connect the pump to a dedicated, properly grounded, and GFCI-protected electrical circuit.
- There is no integrated power switch on the pump. The pump will turn on when plugged into a live outlet. Consider installing an external, accessible ON/OFF switch or timer for convenient operation and safety.

6. OPERATING INSTRUCTIONS

6.1 Priming the Pump

The FOTING CLP8005 pump is self-priming, but initial priming is required for optimal performance and to prevent dry running.

1. Ensure all valves in the suction and discharge lines are open.
2. Remove the transparent lid of the filter basket by turning it counter-clockwise.
3. Fill the filter basket housing with water until it reaches the suction pipe level.
4. Clean the O-ring and seat it properly in the lid. Replace the lid and tighten it clockwise until secure. Ensure a tight seal to prevent air leaks.
5. Connect the pump to the power supply. The pump should start drawing water.
6. Allow the pump to run for a few minutes to expel all air from the system. If water does not flow within 5

minutes, turn off the pump, re-prime, and check for air leaks in the suction line.



Image: Demonstrating the process of filling the filter basket with water to prime the pump.

6.2 Normal Operation

- Once primed, the pump will operate continuously when powered.
- Monitor the pressure gauge on your filter (if applicable) to ensure it operates within the recommended range.
- Regularly check the transparent lid of the filter basket for debris accumulation.

7. MAINTENANCE

Regular maintenance ensures efficient operation and extends the life of your pump.

7.1 Cleaning the Filter Basket (Strainer Pot)

The pump's extra-large filter basket collects debris before it reaches the pump impeller. Clean it regularly, especially if you notice reduced flow or increased pressure on your filter gauge.

1. **Disconnect Power:** Always turn off and unplug the pump before cleaning.
2. **Relieve Pressure:** Open the air relief valve on your filter to release any system pressure.
3. **Remove Lid:** Turn the transparent lid counter-clockwise to remove it.
4. **Remove Basket:** Lift out the filter basket.
5. **Clean Basket:** Empty debris and rinse the basket thoroughly with water.
6. **Inspect O-ring:** Check the O-ring on the lid for cracks or wear. Clean it and apply a silicone-based lubricant if necessary. Ensure it is seated correctly in its groove.
7. **Reassemble:** Place the clean basket back into the housing. Replace the lid, ensuring the O-ring is properly seated, and tighten clockwise until snug. Do not overtighten.
8. **Re-prime:** Follow the priming steps in Section 6.1 if the pump loses prime.



Image: A user demonstrating the removal of the filter basket for cleaning, showing the transparent lid and the basket itself.

7.2 Winterization

If you live in an area with freezing temperatures, you must winterize your pump to prevent damage.

1. **Disconnect Power:** Turn off and unplug the pump.
2. **Drain Water:** Disconnect the plumbing lines from the pump. Remove the drain plug located at the bottom of the pump housing to allow all water to drain out.
3. **Clean and Store:** Clean the filter basket and housing. Store the pump in a dry, warm place during the off-season.
4. **Lubricate O-rings:** Apply silicone lubricant to all O-rings before storing.

FOTING Above Ground/Inground Pool Pump

Super Quiet Higher Power Powerful Motor Max. Flow Rate 4500GPH Max. Head 45FT Easy Installation

Image: A visual representation of the drain plug on the pump, indicating its function for drainage.

8. TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions.

Problem	Possible Cause	Solution
Pump does not start	No power; tripped GFCI; motor overload.	Check power connection. Reset GFCI. Allow motor to cool if overloaded. Ensure proper voltage supply.
Pump runs but does not prime or has low flow	Air leak in suction line; clogged filter basket; low water level in pool; closed valves.	Check all suction line connections for leaks. Clean filter basket. Ensure adequate pool water level. Open all valves. Re-prime the pump (Section 6.1).
Pump is noisy	Air leak in suction; cavitation (pump running dry); debris in impeller; loose mounting.	Check for air leaks. Ensure pump is primed and not running dry. Disconnect power and inspect impeller for debris. Tighten mounting bolts.
Water leaking from pump	Loose connections; damaged O-rings; cracked housing.	Tighten all plumbing connections. Inspect and replace damaged O-rings (e.g., filter basket lid O-ring). If housing is cracked, contact support.
Pump overheats and shuts off	Insufficient ventilation; low voltage; motor overload; restricted flow.	Ensure adequate airflow around the motor. Verify correct voltage. Check for clogs in plumbing or filter. Allow pump to cool before restarting.

9. WARRANTY AND SUPPORT

FOTING provides a 3-year after-service warranty for this product, covering thermal overload protection. For warranty claims or technical assistance, please contact FOTING customer support through their official channels or the retailer where the product was purchased.

When contacting support, please have your model number (CLP8005) and purchase date available.

For more information, visit the official FOTING store: [FOTING Store](#)