

FOTING 5HMP1300S1-AC

FOTING Garden Pump 6000 l/h 1300 W Instruction Manual

Model: 5HMP1300S1-AC

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1. INTRODUCTION

Thank you for choosing the FOTING Garden Pump 6000 l/h 1300 W, Model 5HMP1300S1-AC. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new garden pump. Please read these instructions carefully before use and keep them for future reference.

This pump is designed for pumping clear water for garden irrigation, increasing water pressure, or transferring water. It is not suitable for pumping corrosive, flammable, explosive, or food-grade liquids.

2. IMPORTANT SAFETY INSTRUCTIONS

Always observe the following safety precautions to reduce the risk of injury, electric shock, fire, or damage to the pump.

- **Electrical Safety:** Ensure the power supply matches the pump's specifications. Always connect the pump to a grounded outlet. Do not operate the pump with a damaged power cord or plug. Keep all electrical connections dry.
- **Water Safety:** Do not immerse the pump in water unless it is specifically designed for submersible use (this model is a surface pump). Ensure the pump is placed on a stable, level surface away from standing water.
- **Personal Safety:** Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves when handling the pump. Do not allow children or untrained persons to operate the pump.
- **Operating Conditions:** Do not run the pump dry. Ensure there is always water in the suction line before starting. Protect the pump from frost.
- **Maintenance:** Disconnect the pump from the power supply before performing any maintenance,

cleaning, or repairs.

3. SETUP AND INSTALLATION

Follow these steps for proper installation of your FOTING Garden Pump.

3.1 Unpacking

Carefully remove the pump and all accessories from the packaging. Inspect for any damage during transit. Retain packaging for future storage or transport.

3.2 Positioning the Pump

Place the pump on a firm, level, and dry surface. Ensure it is protected from direct sunlight, rain, and excessive dust. The pump should be as close as possible to the water source to minimize suction lift.

3.3 Connecting Hoses

Suction Line: Connect a robust, airtight suction hose to the pump's suction inlet. The diameter of the suction hose should not be smaller than the pump's inlet. For optimal performance and to prevent the pump from losing prime, it is highly recommended to install a *non-return valve* (check valve) at the end of the suction hose, submerged in the water source. Ensure all connections are sealed tightly to prevent air leaks.

Discharge Line: Connect the discharge hose to the pump's outlet. This hose will carry the water to your irrigation system or desired destination. Ensure this connection is also secure.



Image 1: FOTING Garden Pump 5HMP1300S1-AC. This image shows the overall design of the FOTING garden pump, highlighting its compact structure and connection points for suction and discharge hoses.

3.4 Priming the Pump

Before initial startup, the pump housing and the entire suction line **must be completely filled with water**. Remove the priming plug (usually located on top of the pump housing), fill with water until full, and then replace the plug securely. This step is critical for the pump to operate correctly and prevent damage from dry running.

3.5 Electrical Connection

Connect the pump's power cord to a suitable, grounded electrical outlet. Ensure the voltage and frequency match the pump's requirements (1300 W). Do not use extension cords unless absolutely necessary, and if so, ensure they are rated for outdoor use and the pump's power requirements.

4. OPERATING INSTRUCTIONS

Once the pump is set up and primed, you can begin operation.

4.1 Starting the Pump

Plug in the pump or switch on the power at the outlet. The pump should start immediately. Monitor the pressure gauge (if equipped) and the water flow.

4.2 Automatic Pressure Control

This pump is designed with an automatic pressure switch. It should turn off when the desired pressure (e.g., 6 bar) is reached in the discharge line and turn on again when the pressure drops (e.g., when a tap is

opened). *Note: Some users have reported issues with the automatic shutdown function. If the pump runs continuously despite reaching maximum pressure, refer to the troubleshooting section or consider installing an external pressure switch for reliable operation.*

4.3 Stopping the Pump

To stop the pump, simply unplug it or switch off the power at the outlet. If the pump is connected to an automatic system, it will stop when the pressure threshold is met.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pump.

- **Before Maintenance:** Always disconnect the pump from the power supply before performing any cleaning or maintenance.
- **Cleaning:** Periodically clean the exterior of the pump with a damp cloth. Ensure the ventilation openings are free from dirt and debris.
- **Check Connections:** Regularly inspect all hose connections for leaks and tighten if necessary.
- **Winter Storage:** If the pump will not be used during freezing temperatures, drain all water from the pump and hoses to prevent frost damage. Store the pump in a dry, frost-free location.

6. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Pump does not start.	No power supply; Motor overload; Impeller jammed.	Check power connection and fuse; Allow motor to cool down; Disconnect power and check for obstructions in the impeller.
Pump runs but no water or low flow.	Pump not primed; Air leak in suction line; Suction hose blocked; Water source empty; High suction lift.	Prime the pump completely; Check all suction connections for leaks; Clear any blockages; Ensure water source is sufficient; Reduce suction lift if possible.
Pump runs continuously, does not shut off automatically.	Automatic pressure switch malfunction; Small leak in system; Pressure not reaching cut-off threshold.	Check for leaks in the discharge system; If issue persists, consider installing an external pressure switch or contact customer support.
Pump is noisy or vibrates excessively.	Air in pump/suction line; Pump not securely mounted; Foreign object in impeller.	Re-prime the pump; Securely mount the pump; Disconnect power and check for obstructions.

7. TECHNICAL SPECIFICATIONS

Feature	Value
Model Number	5HMP1300S1-AC

Feature	Value
Brand	FOTING
Power	1300 W
Max Flow Rate	6000 l/h
Power Source	Electric Cable
Package Dimensions	50 x 36 x 27.5 cm
Item Weight	13.8 kilograms
Components Included	Garden Pump

8. WARRANTY AND SUPPORT

FOTING products are manufactured to high-quality standards. For warranty information, technical support, or spare parts, please contact your retailer or the FOTING customer service department. Please have your model number (5HMP1300S1-AC) and purchase date available when contacting support.