AL-KO 113595

AL-KO GP 600 ECO Garden Pump Instruction Manual

Model: 113595

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your AL-KO GP 600 ECO Garden Pump. Please read these instructions carefully before initial use and keep them for future reference.
The AL-KO GP 600 ECO garden pump is designed for pumping water from various sources such as fountains, cisterns, or rain barrels. It features a 580 W motor, a maximum delivery height of 35 meters, and a flow rate of 3000 liters per hour.

2. Safety Instructions

General Safety:

- Always disconnect the pump from the power supply before performing any maintenance, cleaning, or adjustments.
- Ensure the electrical supply matches the specifications on the pump's rating plate.
- Do not operate the pump with a damaged power cord or plug.
- Keep children and unauthorized persons away from the operating pump.
- The pump is not suitable for pumping drinking water. It is intended for domestic water and chlorinated water (pool water) below 35 °C.
- Do not use the pump for saltwater, aggressive chemicals, or sandy water.
- Ensure the pump is placed on a stable, level surface to prevent tipping.

Electrical Safety:

- Protect electrical connections from moisture.
- Use only outdoor-rated extension cords if necessary.
- The pump must be connected to a residual current device (RCD) with a tripping current not exceeding 30 mA.

3. Product Overview

The AL-KO GP 600 ECO is a robust garden pump designed for various water transfer tasks. Key features include:

- Powerful 580 W motor.
- Maximum delivery height of 35 m and suction height of 8 m.
- Flow rate of 3,000 liters per hour.
- Reinforced fiberglass pump housing for durability.
- Integrated jet system for efficient water suction.
- Overload protection motor with auto-reset function.
- Practical carrying handle for mobile use.
- Ceramic sealing system for high quality and longevity.



Figure 1: AL-KO GP 600 ECO Garden Pump. This image shows the compact design of the pump with its red and black casing and integrated carrying handle.

4. Setup

1. **Placement:** Position the pump on a firm, level surface near the water source and power outlet. Ensure adequate

ventilation.

2. **Suction Line Connection:** Connect a 1-inch suction hose to the pump's suction inlet. Ensure all connections are airtight to prevent air from entering, which can affect pump performance. Use thread sealant tape if necessary. The maximum suction height is 8 meters.
3. **Pressure Line Connection:** Connect a garden hose or irrigation system to the pump's pressure outlet. Ensure connections are secure.
4. **Priming the Pump:** Before initial operation, the pump housing must be filled completely with water through the filling opening until no more air escapes. This is crucial for the pump to self-prime effectively.
5. **Electrical Connection:** Plug the pump into a grounded electrical outlet (230 V). Ensure the power cord is not damaged and is routed safely to avoid tripping hazards or damage.

5. Operating Instructions

1. **Starting the Pump:** After connecting and priming, switch on the pump. The pump will begin to draw water. It may take a few moments for water to flow consistently, especially if the suction line is long.
2. **Monitoring:** Observe the pump during operation. Ensure there are no leaks and that water is flowing as expected.
3. **Stopping the Pump:** To stop the pump, simply switch it off and disconnect it from the power supply if it will not be used for an extended period.
4. **Applications:** The pump is ideal for watering gardens, emptying rain barrels, or transferring water between containers.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your AL-KO GP 600 ECO Garden Pump.

- **Cleaning:** Periodically clean the exterior of the pump with a damp cloth. Do not use harsh detergents or solvents.
- **Filter Check:** If your suction hose has a pre-filter, check and clean it regularly to prevent blockages and maintain flow rate.
- **Winter Storage:** Before the first frost, completely drain all water from the pump and hoses to prevent frost damage. The pump features a drain valve for this purpose. Store the pump in a dry, frost-free location.
- **Motor:** The motor is maintenance-free and protected against overload.

7. Troubleshooting

Problem	Possible Cause	Solution
Pump does not start.	No power supply; Motor overload protection activated; Damaged power cord.	Check power connection; Allow motor to cool down and reset; Inspect and replace power cord if damaged (by qualified personnel).
Pump runs but does not draw water.	Pump not primed; Air in suction line; Suction hose blocked or leaking; Water source empty.	Fill pump housing with water; Check all suction line connections for airtightness; Clean suction hose/filter; Ensure water source has sufficient water.
Reduced flow rate.	Suction filter clogged; Partial blockage in suction or pressure line; Air in system.	Clean suction filter; Check hoses for kinks or blockages; Re-prime pump and check connections.

Problem	Possible Cause	Solution
Pump is noisy.	Air in the pump; Dry running; Foreign objects in the pump.	Re-prime the pump; Ensure continuous water supply; Disconnect power and inspect pump for obstructions (by qualified personnel).

8. Technical Specifications

Feature	Specification
Model Number	113595
Brand	AL-KO
Motor Power	580 W
Max. Delivery Height	35 m
Max. Suction Height	8 m
Max. Flow Rate	3000 Liters per hour
Pressure	3.5 bar
Voltage	230 Volts
Material	Plastic (reinforced fiberglass pump housing)
Weight	7.06 Kilograms
Product Dimensions (L x W x H)	34L x 24.5W x 24.5H cm
Hose Connection	1 inch

9. Warranty and Support

AL-KO provides a warranty for this product against defects in material and workmanship. The specific warranty period and conditions may vary by region and purchase date. Please retain your proof of purchase.
For warranty claims, technical support, or spare parts, please contact your authorized AL-KO dealer or the AL-KO customer service department. Contact information can typically be found on the official AL-KO website or in your purchase documentation.

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