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Eco Plus 728497

EcoPlus 1500 Elite Submersible Water Pump Instruction Manual

Brand: Eco Plus | **Model:** 728497

INTRODUCTION

Thank you for choosing the EcoPlus 1500 Elite Submersible Water Pump. This high-quality, heavy-duty pump is designed for efficient water transfer, featuring a bottom intake that removes water down to 1/8 inch. It is ideal for various water garden and pond applications. Please read this manual thoroughly before installation and operation to ensure safe and optimal performance.



Image: The EcoPlus 1500 Elite Submersible Water Pump shown with its included fittings. The pump is black with a handle, and the fittings are also black, designed for hose connections.

SAFETY INFORMATION

WARNING: To reduce the risk of electric shock, fire, or injury, always follow these basic safety precautions.

- Always disconnect the pump from the power supply before handling, cleaning, or performing any maintenance.
- Do not operate the pump if the power cord or plug is damaged.
- Ensure the pump is connected to a properly grounded outlet. Do not remove the grounding prong.
- Do not use the pump with flammable liquids.
- This pump is designed for water only. Do not use it for other liquids.
- Do not allow children to operate or play with the pump.
- The maximum permitted fluid temperature is 95°F (35°C). Operating above this temperature may damage the pump.
- If you experience any electrical issues, such as a tingling sensation in the water, immediately disconnect power and consult a qualified electrician. Do not attempt to repair the pump yourself.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- EcoPlus 1500 Elite Submersible Water Pump
- 1" NPT hose fitting
- 1" barbed fitting



Image: A side view of the EcoPlus 1500 Elite Submersible Water Pump, highlighting its compact design and the bottom intake

port.

SETUP

1. **Placement:** Position the pump in the desired location within the water body. Ensure it is placed on a stable, flat surface to allow for optimal bottom intake operation. The pump is designed to remove water down to 1/8 inch from the bottom.
2. **Fittings Connection:** Select the appropriate fitting (1" NPT hose fitting or 1" barbed fitting) for your application. Thread the chosen fitting securely onto the pump's outlet port. Ensure a tight seal to prevent leaks.
3. **Hose Connection:** Connect your discharge hose to the installed fitting. Secure the hose with a clamp if necessary to prevent accidental disconnection during operation.
4. **Power Connection:** Ensure your hands are dry. Plug the 12-foot (144-inch) power cord into a standard 120V grounded electrical outlet.

OPERATING INSTRUCTIONS

Once the pump is set up and submerged in water:

- **Starting the Pump:** Plug the pump into the grounded electrical outlet. The pump will begin operating immediately.
- **Flow Rate:** The pump is capable of moving approximately 1500-1505 gallons per hour (GPH) under optimal conditions.
- **Maximum Lift:** The pump can lift water up to a maximum height of 20.3 feet. Performance will decrease with increased lift height.
- **Stopping the Pump:** To stop the pump, simply unplug it from the electrical outlet.
- **Continuous Operation:** This pump is designed for continuous operation, as noted by users running it 24/7 in aquaponics systems.

MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your EcoPlus pump.

- **Cleaning:** Periodically inspect the pump's intake screen and impeller area for debris, such as leaves, sediment, or algae. Disconnect power before cleaning. Remove any obstructions to maintain optimal flow and prevent damage.
- **Impeller Inspection:** If the pump's performance decreases, check the impeller for wear or damage. Refer to the manufacturer's guidelines for impeller replacement if necessary.

- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, fraying, or cuts. Do not use the pump if the cord is damaged.
- **Winterization:** In freezing climates, remove the pump from the water before temperatures drop below freezing. Clean the pump thoroughly and store it in a dry, frost-free location.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start or operate.	No power; clogged impeller; motor malfunction.	Check power connection and outlet. Disconnect power and clear any debris from impeller. If problem persists, contact support.
Low flow or reduced performance.	Clogged intake screen or impeller; kinked or obstructed discharge hose; excessive lift height.	Clean intake and impeller. Check hose for obstructions. Ensure lift height is within specifications.
Unusual noise or vibration.	Debris in impeller; pump not stable; worn bearings.	Disconnect power and clear debris. Ensure pump is on a stable surface. If noise persists, contact support.
Electrical sensation in water.	Damaged power cord or internal wiring; faulty grounding.	IMMEDIATELY DISCONNECT POWER. DO NOT TOUCH WATER. Consult a qualified electrician. Do not attempt to repair.

SPECIFICATIONS

Brand	Eco Plus
Model Number	728497
Power Consumption	190 Watts
Voltage	120 Volts
Flow Rate	1500-1505 Gallons Per Hour (GPH)
Maximum Lifting Height	20.3 Feet
Power Cord Length	12 Feet (144 inches)
Bottom Intake	Removes water down to 1/8 inch (0.125")
Included Fittings	1" NPT hose fitting, 1" barbed fitting
Material	Stainless Steel
Item Weight	8.6 Pounds
Product Dimensions (LxWxH)	7.2 x 5.5 x 10.4 inches
Max Permitted Fluid Temperature	95°F (35°C)

WARRANTY

The EcoPlus 1500 Elite Submersible Water Pump comes with a **one-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, improper installation, or unauthorized repairs. Please retain your proof of purchase for warranty claims.

SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Eco Plus customer support. Refer to the product packaging or the manufacturer's official website for the most current contact information.