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> Knifel Submersible Pump 660GPH (Model B08X69LCBR) Instruction Manual

Knifel B08X69LCBR

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INTRODUCTION

This instruction manual provides essential information for the safe and efficient operation, installation, and maintenance of your Knifel 660GPH Submersible Pump. Designed for various water applications, including fountains, hydroponic systems, ponds, and aquariums, this pump offers reliable water circulation with an ultra-quiet design and adjustable flow control. Please read this manual thoroughly before use and retain it for future reference.

PRODUCT FEATURES

- **Ultra-Quiet Design:** Engineered with a high-quality rotor and copper components to ensure quiet operation and extended lifespan.
- **Multi-Occasion Use:** Suitable for aquariums, small ponds, water gardens, desktop water fountains, backyard fountains/waterfalls, garden statuary, patio drip irrigation systems, and hydroponic systems.
- **High Performance:** Delivers a maximum flow rate of 660 GPH (2500 L/H) with low power consumption and an 8.2 ft (2.5 m) maximum lift height.
- **Water Flow Control:** Features an adjustable knob to regulate the water flow rate, allowing precise control over water pressure.
- **Detachable & Cleanable:** Designed for easy disassembly without tools, simplifying cleaning and maintenance.



Figure 1: The Knifel 660GPH Submersible Pump, showing its compact design, power cord, and included nozzle attachments.

Adjustable Water Flow Rate



Max flow rate
660GPH(2500L/h)



Max lift height
8.2ft(250cm)



Anti-dry safety protection



Figure 2: Illustration of the pump's adjustable water flow rate feature, maximum flow rate of 660 GPH, maximum lift height of 8.2 ft, and anti-dry safety protection.

ULTRA-QUIET



USING ADVANCED TECHNOLOGY NOISE REDUCE 30%



Figure 3: Details on the pump's ultra-quiet design, featuring a high-quality rotor and 100% copper winding for reduced noise and increased durability.

SAFETY GUIDELINES

- Ensure the power supply voltage matches the pump's requirements (110 Volts).
- Do not operate the pump dry; always ensure it is fully submerged in water to prevent overheating and damage.
- Disconnect the power plug from the outlet before performing any maintenance, cleaning, or when handling the pump.
- Use a properly grounded outlet to prevent electrical hazards.
- Keep the power cord away from high temperatures and sharp objects.
- This pump is designed for indoor and outdoor use in water features; do not use it for purposes other than those specified.

PACKAGE CONTENTS

- 1 x Knifel Submersible Pump (Model B08X69LCBR)
- 3 x Nozzle Attachments (1/2 inch, 5/8 inch, 3/4 inch)
- 4 x Suction Cups
- 1 x Instruction Manual



Figure 4: The pump includes three different nozzle sizes (1/2 inch, 5/8 inch, 3/4 inch) for various tubing diameters and features a 6.1 ft long power cord.

SETUP

1. **Choose Nozzle:** Select the appropriate nozzle attachment based on your tubing diameter or desired water flow effect. Screw it firmly onto the pump's outlet.
2. **Attach Suction Cups:** Secure the four suction cups to the bottom of the pump. These will help anchor the pump to a smooth surface within your water feature.
3. **Placement:** Place the pump in your aquarium, pond, or fountain, ensuring it is fully submerged in water. The suction cups can be pressed against the bottom or side to secure it.
4. **Connect Power:** Plug the pump's power cord into a properly grounded electrical outlet. The pump will begin operating immediately.

Video 1: This video demonstrates the setup and initial operation of the Knifel submersible pump in a small water feature, showcasing its water output.

Video 2: This video illustrates the Knifel submersible pump's use in a pond setting, demonstrating its powerful water flow and ease of installation.

OPERATING INSTRUCTIONS

Once the pump is submerged and connected to power, it will begin to circulate water. The water flow rate can be adjusted using the knob located on the side of the pump. Turn the knob towards the '+' symbol for increased flow or towards the '-' symbol for decreased flow. Adjust until the desired water pressure and effect are achieved.

MAINTENANCE

Regular cleaning is crucial for maintaining the pump's efficiency and extending its lifespan. The pump's design allows for easy disassembly without tools.

- 1. Disconnect Power:** Always unplug the pump from the power outlet before attempting any cleaning or maintenance.
- 2. Disassemble:** Gently detach the front cover and remove the impeller assembly.
- 3. Clean Components:** Rinse all parts, including the impeller, shaft, and filter screen, under clean water. Use a small brush or cotton swab to remove any accumulated debris, algae, or mineral deposits.
- 4. Reassemble:** Once all parts are clean, reassemble the pump, ensuring all components fit securely.
- 5. Frequency:** For optimal performance, clean the pump every 2-4 weeks, depending on the water quality and the environment it is used in.

TROUBLESHOOTING

- **Pump Not Running:**
 - Check if the power cord is securely plugged into a functional outlet.
 - Ensure the pump is fully submerged in water.
 - Inspect the impeller for any blockages or damage. Clean if necessary.
- **Reduced Water Flow:**
 - Check the water flow control knob and adjust it to a higher setting.
 - Clean the pump's filter screen and impeller to remove any debris.
 - Ensure the tubing connected to the nozzle is not kinked or blocked.
- **Excessive Noise:**
 - Ensure the pump is fully submerged and not touching the sides of the container, which can cause vibrations.
 - Check for any foreign objects or debris caught in the impeller.
 - Verify that the suction cups are properly attached and securing the pump.

SPECIFICATIONS

Brand	Knifel
Model	B08X69LCBR
Material	Acrylonitrile Butadiene Styrene (ABS)
Color	Copper
Maximum Flow Rate	660 GPH (2500 Liters Per Hour)
Maximum Lifting Height	8.2 ft (2 Meters)
Power Source	Corded Electric
Voltage	110 Volts
Power Consumption	45W
Product Dimensions	4.4"L x 3"W x 5"H

Item Weight	1.6 Pounds
UPC	791715253712

Specifications

Material: **Plastic**

Style: **Submersible**

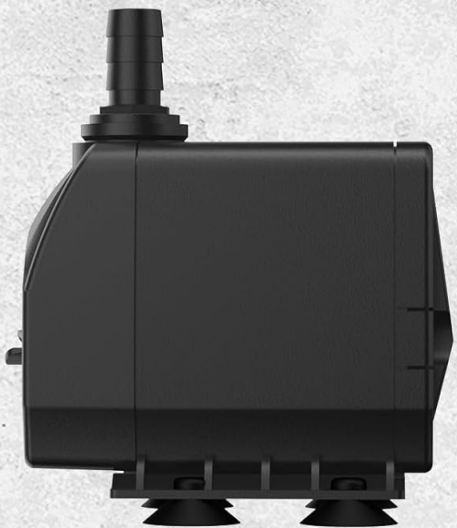
Color: **Black**

Power Source: **Ac**

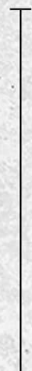
Max. Flow Rate: **660 GPH**

Max. Lift Height: **8.2ft. (2.5m)**

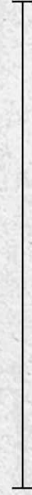
Power Cord Length:



4.4in



3.9in



5in



3in

Figure 5: Detailed technical specifications and dimensions of the Knifel Submersible Pump.

Apply to:



Hydroponic



Fountain



Pond



Rockery



Aquarium

Figure 6: Visual representation of the various applications for the Knifel Submersible Pump, such as fountains, hydroponics, ponds, rockeries, and aquariums.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official Knifel website. Keep your proof of purchase for any warranty claims.