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› ZTBH Electric Submersible Water Pump User Manual - Model HJ-1841 Rotor

ZTBH HJ-1841 Rotor

ZTBH Electric Submersible Water Pump User Manual

Model: HJ-1841 Rotor

1. INTRODUCTION

Thank you for choosing the ZTBH Electric Submersible Water Pump. This manual provides essential information for the safe and effective use of your pump. This pump is designed for water circulation, filtration, and aeration in aquariums, ponds, and other water features. Please read these instructions carefully before installation and operation, and retain them for future reference.



Image 1.1: ZTBH Electric Submersible Water Pump in an aquarium environment.

This image shows the ZTBH submersible water pump installed within an aquarium, demonstrating its intended use for water circulation and filtration in aquatic environments. The pump is black and compact, designed to be discreetly placed underwater.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage:

- Ensure the power supply voltage matches the pump's requirements.

- Do not operate the pump dry. Always ensure it is fully submerged in water before connecting to power.
- Disconnect the power supply before performing any maintenance, cleaning, or installation.
- Do not lift the pump by its power cord.
- Keep the power cord away from sharp objects and hot surfaces.
- This pump is for indoor or protected outdoor use only, in water environments.
- If the power cord is damaged, it must be replaced by the manufacturer or a qualified service agent to avoid a hazard.

3. PRODUCT COMPONENTS

Familiarize yourself with the main components of your ZTBH submersible water pump:



Image 3.1: Key components of the ZTBH Electric Submersible Water Pump.

This diagram highlights the main functional parts of the pump: the **Rotating Outlet**, which allows for directional water flow; the area indicating **Good Sealing**, essential for submersible operation; and the **Water Intake**, where water enters the pump for circulation.

- **Pump Body:** The main housing of the pump.
- **Rotating Outlet:** Adjustable nozzle for directing water flow.
- **Water Intake:** Grille or opening where water is drawn into the pump.
- **Impeller/Rotor:** The rotating component that moves water (located inside the pump body).
- **Suction Cups:** For secure placement on smooth surfaces.
- **Power Cord:** For connecting to an electrical outlet.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your submersible pump:

1. **Unpack:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Placement:** Position the pump in the desired location within your aquarium or pond. Ensure it is fully submerged and stable. The suction cups on the base can be used to secure it to a smooth surface.
3. **Connect Outlet:** Attach any necessary tubing or nozzles to the rotating outlet. Ensure a tight fit to prevent leaks.
4. **Power Connection:** Once the pump is fully submerged and all connections are secure, plug the power cord into a suitable electrical outlet. Ensure a drip loop is formed to prevent water from traveling along the cord to the outlet.



Image 4.1: ZTBH Electric Submersible Water Pump, showing the pump body and power connection.

This image displays the ZTBH submersible water pump from a side view, highlighting its compact design, the attached power cord, and the standard electrical plug. This view is useful for understanding the pump's physical dimensions and power connection.

5. OPERATING INSTRUCTIONS

After proper installation, operating the pump is straightforward:

- **Power On:** Once plugged in, the pump will begin to operate, circulating water.
- **Adjust Flow:** If your model features an adjustable flow rate, rotate the flow control knob (if present) to achieve the desired water flow.
- **Monitoring:** Regularly check the pump's operation to ensure consistent water flow and no unusual noises.
- **Power Off:** To stop the pump, simply unplug it from the electrical outlet.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your pump. Always disconnect power before

maintenance.

- 1. **Cleaning the Intake:** Periodically clean the water intake grille to remove debris, algae, or other blockages that can reduce flow.
- 2. **Impeller/Rotor Cleaning:**
 - Carefully remove the front cover of the pump to access the impeller chamber.
 - Gently remove the impeller/rotor assembly.
 - Clean the impeller and its chamber with a soft brush and clean water to remove any buildup.
 - Inspect the rotor for wear or damage. Replace if necessary (Model HJ-1841 Rotor is the specific replacement part).
 - Reassemble the impeller and cover securely.
- 3. **Housing Cleaning:** Wipe down the exterior of the pump with a soft cloth.



Image 6.1: Replacement Rotor for ZTBH Water Pumps (HJ-1841 Rotor shown).

This image displays the HJ-1841 Rotor, a critical internal component of the ZTBH submersible water pump. The rotor consists of a magnetic core and a multi-bladed impeller, responsible for moving water. Regular inspection and cleaning of this part are vital for pump efficiency.

7. TROUBLESHOOTING

If your pump is not functioning correctly, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Pump does not start	No power; Impeller jammed; Damaged motor.	Check power connection and outlet; Disconnect power and clean impeller; Contact support if motor is damaged.
Low water flow	Clogged intake or impeller; Kinked tubing; Insufficient water level.	Clean intake and impeller; Straighten tubing; Ensure pump is fully submerged.
Excessive noise	Impeller obstruction or wear; Pump not stable; Air in pump.	Clean or replace impeller; Secure pump with suction cups; Ensure pump is fully submerged and free of air bubbles.

8. SPECIFICATIONS

Feature	Detail
Brand	ZTBH
Model	HJ-1841 Rotor (Specific variant)
Style	Submersible
Power Source	Electric
Nominal Power	5W (Range 5W-40W)
Maximum Flow Rate	400 L/h
Maximum Lift	0.8 m
Product Weight	300 Grams

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

