

Unknown HB-704

HB-704 Submersible Pump User Manual

Model: HB-704 | Brand: Unknown

1. INTRODUCTION

Thank you for choosing the HB-704 Submersible Pump. This pump is designed for efficient water circulation in various applications, including cold air mechanisms and ice machines. Its compact design and robust performance make it an ideal choice for continuous operation. Please read this manual thoroughly before installation and operation to ensure safe and effective use.



Figure 1: Main view of the HB-704 Submersible Pump. This image shows the overall compact design of the pump, including its outlet nozzle and power cord connection.

2. SAFETY INSTRUCTIONS

To prevent injury or damage to the pump, always observe the following safety precautions:

- **Electrical Safety:** Ensure the power supply voltage matches the pump's requirements (220-240V/50Hz). Do not operate the pump with a damaged power cord or plug. Always disconnect power before handling or performing maintenance on the pump.
- **Full Submersion:** The pump must be completely immersed in water during operation. **Never run the pump dry (idling without water)**, as this will cause overheating and permanent damage.
- **Water Temperature:** The working water temperature must not exceed 35 °C (95 °F). Operating the pump in water hotter than this limit can lead to malfunction or damage.
- **Proper Placement:** Place the pump on a stable, flat surface within the water. Ensure it is not obstructed by debris.
- **Handling:** Do not lift or carry the pump by its power cord. Use the pump body for handling.

- **Children and Pets:** Keep the pump and its power cord out of reach of children and pets.

3. SETUP

Follow these steps for proper installation of your HB-704 Submersible Pump:

1. **Unpack the Pump:** Carefully remove the pump from its packaging and inspect it for any signs of damage.
2. **Attach Hose:** Connect a hose with an inner diameter of 12mm to the pump's outlet nozzle (approximately 13mm in diameter). Ensure a secure fit to prevent leaks.
3. **Position the Pump:** Place the pump in the desired location within the water reservoir or container. Ensure the pump is fully submerged and resting on a stable surface. The integrated suction cups on the bottom of the pump can help secure it in place.
4. **Route Power Cord:** Route the 130cm long power cord safely, ensuring it does not create a tripping hazard and is not pinched or kinked.
5. **Verify Submersion:** Double-check that the entire pump body is completely underwater before connecting to power.





Figure 2: Side view showing the power cord connection and bottom view illustrating the suction cups for stable placement.

4. OPERATING INSTRUCTIONS

Once the pump is properly set up and fully submerged:

1. **Connect to Power:** Plug the power cord into a suitable electrical outlet (220-240V/50Hz). The pump will begin operating immediately.
2. **Monitor Water Level:** Continuously monitor the water level to ensure the pump remains fully submerged during operation. Running the pump without water will cause damage.
3. **Observe Flow:** Check the water flow from the outlet to ensure it is consistent and unobstructed.
4. **To Stop Operation:** Disconnect the power plug from the electrical outlet.



Figure 3: Front view of the pump, highlighting the water intake area. Ensure this area remains clear of debris for optimal performance.

5. MAINTENANCE

Regular maintenance will prolong the life and efficiency of your pump:

- **Disconnect Power:** Always unplug the pump from the power source before performing any maintenance.
- **Clean Intake Screen:** Periodically check and clean the intake screen to remove any accumulated debris, such as dirt, algae, or sediment, which can reduce flow.
- **Clean Impeller:** If flow is significantly reduced, the impeller may be clogged. Carefully disassemble the pump (refer to diagrams if available, or gently pry open the intake cover) and clean the impeller and its housing. Rinse with clean water.
- **Inspect Power Cord:** Regularly inspect the power cord for any cuts, fraying, or damage. Do not use the pump if the cord is damaged.
- **Storage:** If storing the pump for an extended period, clean it thoroughly, dry it completely, and store it in a dry, frost-free location.



Figure 4: Side view of the pump, showing the vented casing. Regular cleaning helps maintain optimal heat dissipation.

6. TROUBLESHOOTING

If you encounter issues with your HB-704 pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pump does not start	No power supply Power cord damaged Impeller jammed by debris	Check power outlet and connection Inspect and replace if damaged (do not use) Disconnect power, clean impeller and intake
Reduced water flow	Clogged intake screen Kinked or obstructed hose Impeller partially blocked	Clean intake screen Straighten hose, remove obstructions Disconnect power, clean impeller

Problem	Possible Cause	Solution
Pump is noisy	Debris in impeller Pump not fully submerged Pump not stable	Disconnect power, clean impeller Ensure pump is completely underwater Secure pump with suction cups on a flat surface
Pump stops unexpectedly	Overheating due to dry running Power interruption	Ensure continuous full submersion Check power supply

7. SPECIFICATIONS

Detailed technical specifications for the HB-704 Submersible Pump:

Feature	Specification
Model	HB-704
Power Supply Voltage	220-240V/50Hz
Power Consumption	14W
Max Flow Rate	800 L/h (Liters per hour)
Max Head	1.75 m (Meters)
Dimensions (Approx.)	Length: 75mm, Width: 81mm (including ears), Height: 71mm
Outlet Nozzle Diameter	Approx. 13mm (suitable for 12mm inner diameter hose)
Power Cord Length	Approx. 130cm
Max Working Water Temperature	35 °C (95 °F)
Material	Other
Style	Submersible
Power Source	Corded Electric



Figure 5: Top view of the pump, showing the product label with key specifications.

8. WARRANTY AND SUPPORT

As the brand is listed as 'Unknown', specific warranty and support information is not provided in this manual. For any warranty claims, technical support, or service inquiries, please contact the retailer or seller from whom you purchased this product. Retain your proof of purchase for any potential claims.