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› FOTING 3/4HP 2400GPH Automatic Submersible Sump Pump User Manual

FOTING QBD037A

FOTING 3/4HP 2400GPH Automatic Submersible Sump Pump User Manual

Model: QBD037A

1. INTRODUCTION

This manual provides instructions for the safe and efficient operation, installation, and maintenance of your FOTING 3/4HP 2400GPH Automatic Submersible Sump Pump, Model QBD037A. Please read this manual thoroughly before using the pump and retain it for future reference.



A blue and black FOTING 3/4HP 2400GPH automatic submersible sump pump, shown from the front-side angle.

2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This pump is designed for pumping clean water only. Do not use it for flammable liquids, corrosive chemicals, or water containing large solids.

- Ensure the power supply matches the pump's specifications (115V, 60Hz).
- Always disconnect power before performing any maintenance or cleaning.
- Do not operate the pump if the power cord or plug is damaged.
- Do not pull the pump by its power cord. Always use the handle for lifting and positioning.
- Keep hands and feet clear of the pump intake and discharge openings during operation.
- The pump is equipped with overload and overheat protection. If the pump stops unexpectedly, allow it to cool down before restarting.
- Ensure the pump is fully submerged in water during operation to prevent dry running and overheating.

Matters needing attention



Be sure to lift the pump
handle position



Do not pull the power cord



An image illustrating important handling instructions for the FOTING sump pump: always lift by the handle and never pull the power cord.

3. PRODUCT FEATURES

- **Efficient Drainage:** 3/4HP motor provides a flow rate of up to 2400 GPH (40 GPM) at 5ft lift, with a maximum vertical lift of 31ft. Capable of removing water down to 0.04 inches from the surface.
- **Automatic and Manual Control:** Features a one-touch switch between automatic and manual modes. Automatic mode activates when water levels exceed 1.5 inches. Manual mode allows drainage to an ultra-low 0.04 inches.
- **Versatile Connection:** Equipped with an NPT 1-1/2 inch discharge and includes a multi-hose adapter compatible with Φ 1-1/2 inch, Φ 1-1/4 inch, Φ 1 inch, or NPT 1 inch hoses.
- **Durable Construction:** Thermoplastic housing ensures corrosion resistance and durability.
- **Extended Reach:** Includes a 16-foot power cord for flexible placement.
- **Easy Maintenance:** Removable bottom for convenient cleaning and extended pump life.
- **Ergonomic Design:** Rounded handle for comfortable and secure transport.
- **Protection Features:** Built-in anti-corrosion coating and overload/overheat protection for enhanced safety and longevity.



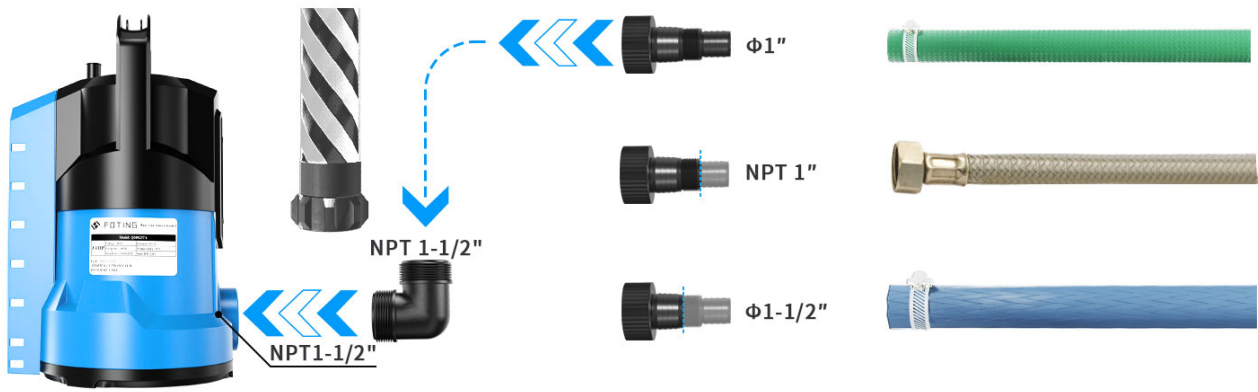
An illustration highlighting the anti-corrosion coating and overload/overheat protection features of the FOTING sump pump.

4. SETUP

- 1. Choose Discharge Hose:** Select the appropriate hose or pipe for your application. The pump includes a multi-hose adapter for various sizes ($\Phi 1\text{-}1/2"$, $\Phi 1\text{-}1/4"$, $\Phi 1"$, or NPT 1").
- 2. Connect Hose:** Securely attach the chosen hose to the pump's NPT 1-1/2" discharge port using the provided adapter. Ensure all connections are tight to prevent leaks.
- 3. Position Pump:** Place the pump on a stable, level surface in the area to be drained. Ensure the pump is fully submerged in water before operation.
- 4. Initial Submersion:** Before plugging in, submerge the pump into the water at an angle to allow any trapped air to escape from the impeller housing. This primes the pump and prevents airlock.
- 5. Connect Power:** Plug the 16-foot power cord into a grounded 115V, 60Hz electrical outlet.

Connection Method

Comes with 3 different pipe outlets which are suitable for a total of 5 different sizes of hose/pipes



An illustration demonstrating the various connection methods for the FOTING sump pump, showing how to attach different hose sizes ($\Phi 1$ inch, NPT 1 inch, $\Phi 1-1/2$ inch) using the provided adapters.



A visual guide showing the three steps for setting up the FOTING sump pump: 1) selecting the appropriate water pipe and adapter, 2) plugging in the pump and placing it in water, and 3) waiting for water to drain.

5. OPERATING INSTRUCTIONS

The FOTING sump pump offers both automatic and manual operation modes for flexible water removal.

5.1. Automatic Mode

- In automatic mode, the pump will activate when the water level rises above approximately 1.5 inches.
- The pump will continue to operate until the water level drops below the default startup level, then it will stop after a 180-second delay.
- This mode is energy-efficient and suitable for continuous monitoring of water levels in basements or ponds.

5.2. Manual Mode

- Manual mode allows for precise control over water removal, enabling drainage down to an ultra-low 0.04 inches.
- To activate manual mode, select the manual setting on the control panel.
- The pump will run continuously until manually unplugged.
- **Note:** For manual mode, unplug the pump to shut it off after use.

5.3. Timer Mode (Auto Run)

- The pump features timed auto-run options, typically 10-minute and 20-minute cycles.
- Select the desired timer setting on the control panel. The pump will run for the specified duration.
- **Note:** To reset the timer or stop a timed cycle, press any button on the control panel.



A detailed view of the FOTING sump pump's control panel, illustrating the Auto Mode, Timer Mode, and Manual Mode settings, along with indicators for default startup water level, 180-second delay stop function, and ultra-low water level (0.04 inches).



An image showing operating notes for the FOTING sump pump, including instructions for resetting the timer and shutting off manual mode, along with indicators for Manual Mode, 10-Minute Auto Run, and 20-Minute Auto Run.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your sump pump.

- **Clean Intake Screen:** Periodically inspect and clean the pump's intake screen to remove any debris (leaves, stones, etc.) that may obstruct water flow. The removable bottom facilitates this process.
- **Check Power Cord:** Inspect the power cord for any signs of damage, cuts, or fraying. Replace immediately if damage is found.
- **Inspect Connections:** Ensure all hose connections are secure and free of leaks.
- **Winter Storage:** If storing the pump for an extended period or during freezing temperatures, drain all water from the pump and hose. Store in a dry, frost-free location.

BUILT FOR LONG-TERM USE




Anti-Corrosion Coating
 for Enhanced Protection


Overload and
overheat protection



An image demonstrating the FOTING sump pump's ability to remove water down to 0.04 inches and its detachable base for easy cleaning.

7. TROUBLESHOOTING

If you encounter issues with your FOTING sump pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Pump does not start	No power; Power cord damaged; Overheat protection activated; Impeller jammed.	Check power connection and circuit breaker; Inspect power cord for damage; Allow pump to cool down; Disconnect power and clear any debris from impeller.
Pump runs but does not pump water	Airlock; Intake screen clogged; Discharge hose kinked or blocked; Water level too low for auto mode.	Submerge pump at an angle to release air; Clean intake screen; Straighten or clear discharge hose; Switch to manual mode for lower water levels.
Pump runs continuously	Float switch stuck (if applicable); Water level not dropping below auto-stop threshold; Manual mode selected.	Check for obstructions around float switch; Ensure pump can drain water effectively; Switch to auto mode or unplug if in manual mode.
Reduced pumping capacity	Clogged intake screen or impeller; Kinked or restricted discharge hose; Excessive lift height.	Clean intake screen and impeller; Clear discharge hose; Ensure pump is within its maximum lift height specifications.

8. SPECIFICATIONS

Technical details for the FOTING 3/4HP 2400GPH Automatic Submersible Sump Pump, Model QBD037A.

Specification	Value
Model	QBD037A
Voltage	115V
Frequency	60Hz
Horsepower	0.75 HP (3/4 HP)
Amps	2.1A
Max Flow Rate	2400 GPH (40 GPM)
Max. Head (Lifting Height)	22 Feet (6.7 meters)
Discharge Size	NPT 1-1/2 inches
Protection Type	IPX8
Max. Grain Size	1/5 inch (5mm)
Minimum Water Removal	0.04 inches (1mm)
Power Cord Length	16 Feet (4.9 meters)
Material	Thermoplastic
Product Dimensions (L x W x H)	24.5 x 15.5 x 29.5 Centimetres
Included Components	1* Multi-hose Adapter, 1* NPT 1-1/2" Discharge, 1* Sump Pump, 1*User Manual

Note:

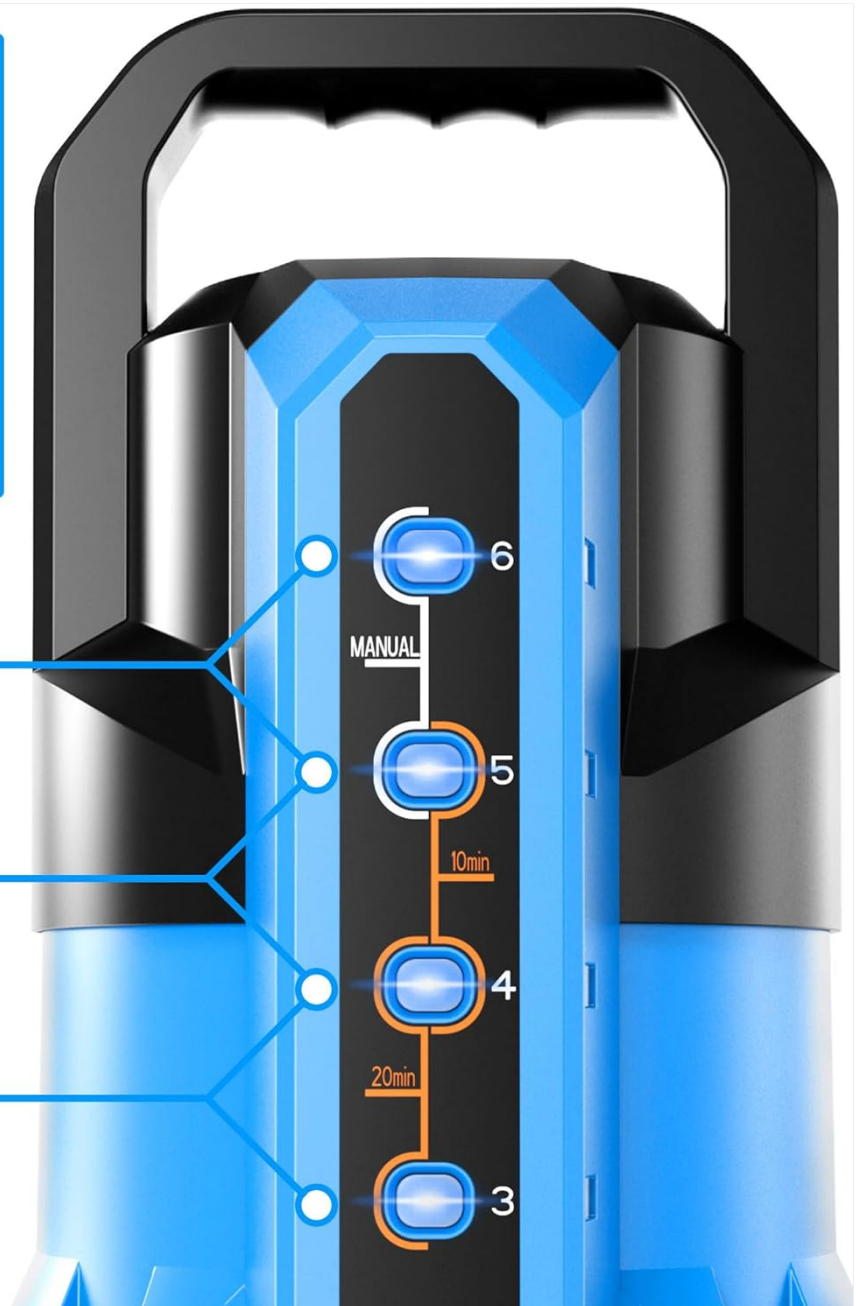
1. Timer End:
Press any
button to reset.

2. Manual Mode:
Unplug to
shut off after use.

Manual Mode

10-Minute Auto Run

20-Minute Auto Run



An image detailing the technical specifications of the FOTING sump pump, including voltage, horsepower, amps, max head, discharge size, protection type, max grain size, and output port size.

9. WARRANTY AND SUPPORT

FOTING is committed to providing reliable products and excellent customer service. While specific warranty details may vary, FOTING products are designed for long-lasting performance, with an expected lifespan of up to 3 years under normal use.

For technical support, troubleshooting assistance, or any inquiries regarding your FOTING sump pump, please contact FOTING customer service. Our team is available to provide professional support to ensure your water system remains stable and worry-free.

Please refer to the contact information provided with your purchase or visit the official FOTING website for support details.