

FOTING J11502-Dual Speed-230V

FOTING In/Above Ground Pool Pump Instruction Manual

Model: J11502-Dual Speed-230V

1. PRODUCT OVERVIEW

The FOTING In/Above Ground Pool Pump is a self-priming, dual-speed pump designed for efficient water circulation in various swimming pools. Equipped with a robust 2HP copper wire motor, it offers a flow rate of up to 3170 GPH (low speed) and 7000 GPH (high speed), with a maximum head lift of 69 feet. This pump features thermal overload protection for enhanced safety and longevity, and includes a removable filter basket and drain plug for easy maintenance. It is suitable for both above-ground and in-ground pool applications, as well as water parks, bathing pools, hot tubs, spas, and irrigation systems.



Figure 1: FOTING In/Above Ground Pool Pump with included 1.5" and 2" NPT inlet connectors and waterproof tape.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always disconnect power to the pump before performing any service or maintenance.
- Ensure the electrical supply matches the pump's voltage requirements (230V).
- The pump must be installed by a qualified electrician in accordance with all local and national electrical codes.
- Do not operate the pump if the power cord is damaged.
- Keep children and unauthorized persons away from the pump during operation.
- The pump is equipped with thermal overload protection. If the pump stops unexpectedly, allow it to cool down before attempting to restart. Investigate potential causes such as clogs or insufficient water flow.

3. SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and longevity. The pump is self-priming, but proper plumbing connections are essential.

3.1 Unpacking and Inspection

- Carefully remove all components from the packaging.
- Verify that all parts are present: pump unit, two 1.5" NPT inlet adapters, two 2" NPT inlet adapters, and waterproof tape.
- Inspect the pump for any visible damage that may have occurred during shipping. Do not install if damaged.

3.2 Placement

- Place the pump on a solid, level surface near the pool.
- Ensure adequate ventilation around the motor.
- Position the pump to minimize the length of suction and discharge piping.

3.3 Plumbing Connections

The FOTING pump supports two methods for water pipe connection using the included 1.5" and 2" NPT inlet adapters.

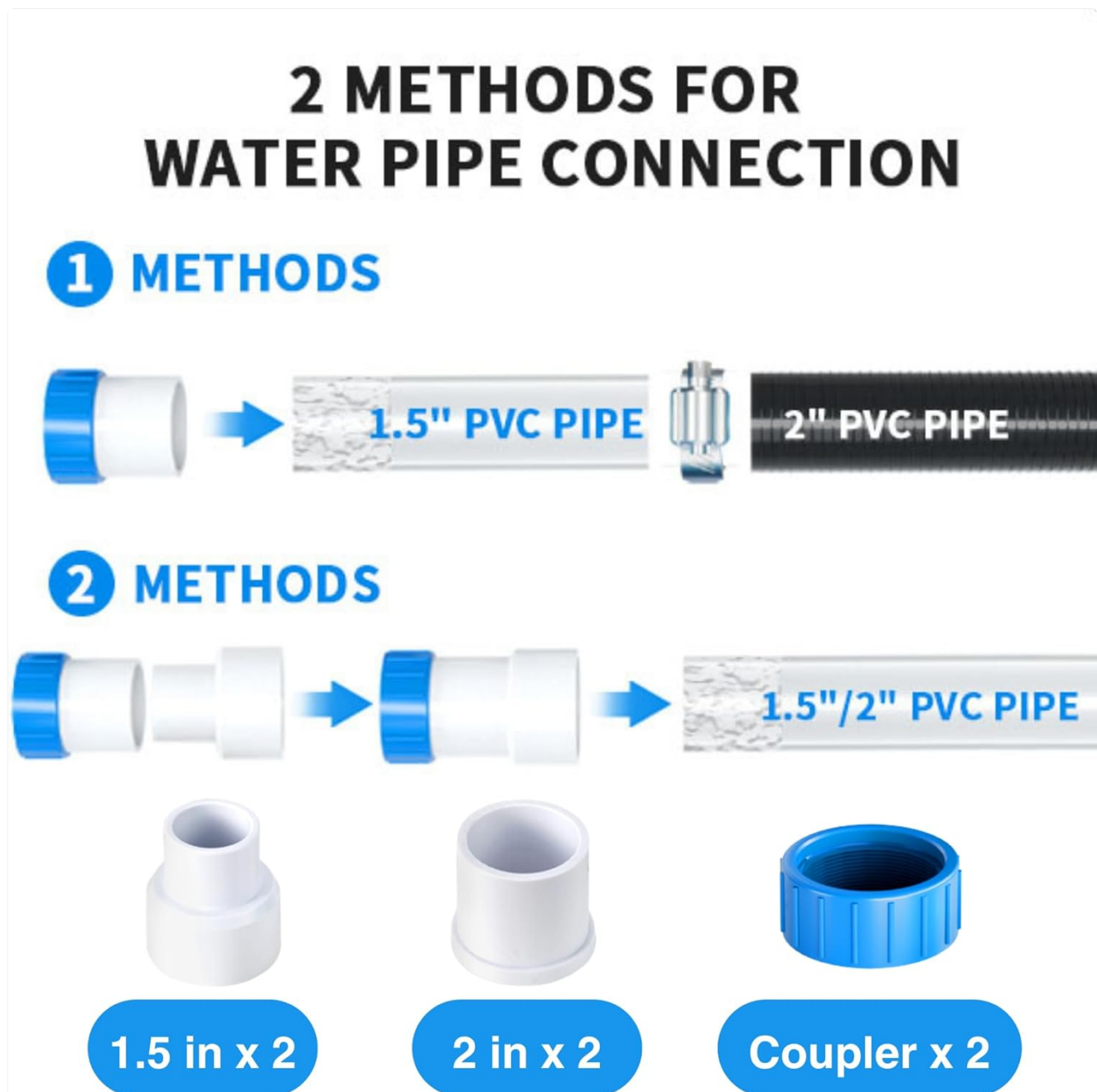


Figure 2: Two methods for connecting water pipes to the pump, utilizing 1.5-inch and 2-inch PVC pipe adapters.

- **Method 1: Direct PVC Pipe Connection**

Connect 1.5" or 2" PVC pipes directly to the pump's inlet and outlet ports using the appropriate adapters and

waterproof tape for a secure, leak-free seal.

- **Method 2: Flexible Hose Connection**

Utilize the provided adapters to connect flexible hoses (1.5" or 2") to the pump. Ensure hose clamps are used for a tight connection.

- Ensure all connections are sealed properly to prevent air leaks, which can affect pump priming and efficiency.

3.4 Electrical Connection

This pump operates on 230V. A power cord is not included and must be wired by a qualified electrician according to local electrical codes.

- Ensure the power supply is off before making any electrical connections.
- Connect the pump to a dedicated circuit with appropriate overcurrent protection.
- Verify correct voltage and amperage ratings.

4. OPERATION

The FOTING pool pump features dual-speed operation, allowing you to optimize performance and energy consumption.

4.1 Priming the Pump

- Before initial startup, ensure the pump is filled with water through the skimmer or by removing the transparent lid and filling the filter basket housing.
- Close all drain valves and ensure the pool water level is above the skimmer.
- Once filled, replace the lid securely. The pump's self-priming capability will then quickly establish water flow.

4.2 Dual Speed Control

The pump offers two operating speeds: High and Low. A switch located at the bottom of the motor allows you to select the desired speed.



Figure 3: High Speed mode provides 7000 GPH for rapid water circulation and daytime use.

- **High Speed (7000 GPH):** Ideal for faster filtration, cycling the entire pool volume quickly, and during periods of heavy use or when cleaning the pool.



Figure 4: Low Speed mode provides 3170 GPH for energy saving and quieter operation during off-peak hours.

- **Low Speed (3170 GPH):** Recommended for energy saving, quieter operation, and maintaining filtration during less active periods or overnight.

Adjust the speed based on your pool's size, filtration requirements, and desired energy consumption.

5. MAINTENANCE

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

5.1 Cleaning the Filter Basket

The pump is equipped with a removable filter basket to capture debris. The transparent lid allows for easy visual inspection.



FOTING



EXTRA-LARGE FILTER BASKET



Leaves

Branch

Gravel

Figure 5: The extra-large filter basket effectively collects leaves, twigs, and gravel, and is easily removable for cleaning.

- Turn off the pump and disconnect power.
- Unscrew the transparent lid counter-clockwise.
- Remove the filter basket and empty any collected debris.
- Rinse the basket thoroughly with water.
- Inspect the O-ring on the lid for cracks or wear; replace if necessary.
- Place the clean basket back into the pump and securely fasten the lid.

5.2 Draining the Pump

The integrated drain plug allows for easy water drainage, particularly useful for winterization or extended periods of non-use.



Figure 6: Overview of pump features including the drain plug for easy water removal and the transparent cover for filter basket visibility.

- Turn off the pump and disconnect power.
- Locate the drain plug at the bottom of the pump housing.
- Unscrew the drain plug to allow water to exit the pump.
- Once drained, replace the plug securely.

6. TROUBLESHOOTING

This section provides solutions to common issues you may encounter with your FOTING pool pump.

Problem	Possible Cause	Solution
Pump does not start	No power supply Thermal overload activated Motor issue	Check power connection and circuit breaker. Allow pump to cool down; check for clogs. Contact customer support if problem persists.
Pump runs but no water flow	Pump not primed Air leak in suction line Clogged filter basket/impeller	Ensure pump is filled with water. Check all suction line connections for tightness. Clean filter basket; inspect impeller for debris.
Reduced water flow	Clogged filter basket Partially blocked plumbing Low pool water level	Clean filter basket. Inspect and clear plumbing lines. Ensure pool water level is adequate.
Excessive noise	Air leak Debris in impeller Motor bearing wear	Check suction line for air leaks. Clean impeller. Contact customer support.

7. SPECIFICATIONS

Detailed technical specifications for the FOTING In/Above Ground Pool Pump.

Attribute	Value
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Attribute	Value
Brand	FOTING
Model Number	J11502-Dual Speed-230V
Style	2HP Dual Speed-230V
Color	Black&blue
Material	Thermoplastic
Product Dimensions (L x W x H)	25.5" x 7.8" x 11"
Item Weight	37 pounds
Power Source	AC
Voltage	230 Volts
Maximum Flow Rate	116 Gallons Per Minute (7000 GPH)
Maximum Lifting Height	69 Feet
Motor Type	Copper Wire Motor
Protection	Thermal Overload Protection

MULTI-SCENES APPLICATION

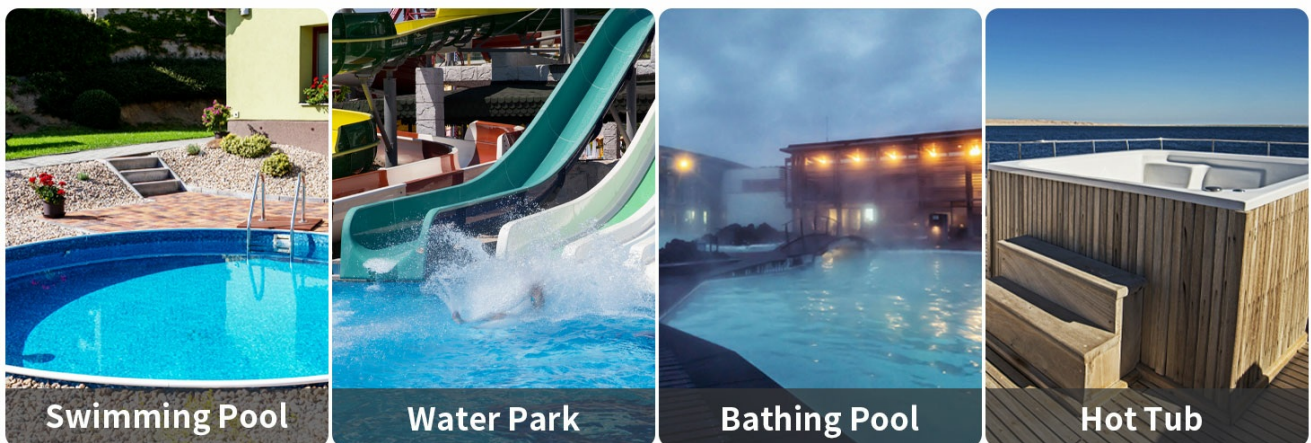
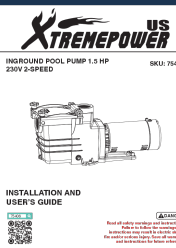






Figure 7: Performance curve illustrating the relationship between head lift and flow rate for both high and low speeds.

8. WARRANTY AND SUPPORT

FOTING provides a THREE-YEAR after-sale service for this product.

If you encounter any problems or have questions regarding your FOTING pool pump, please contact our customer support team for assistance. Refer to your purchase documentation for specific contact details or visit the official FOTING website.

 <p>US XTREMEPOWER INGROUND POOL PUMP 1.5 HP 230V 2-SPEED SKU: 75406</p> <p>INSTALLATION AND USER'S GUIDE</p>	<p>XtremepowerUS 1.5 HP 230V 2-Speed Inground Pool Pump Installation and User's Guide</p> <p>Comprehensive installation and user's guide for the XtremepowerUS 1.5 HP 230V 2-Speed Inground Pool Pump (SKU: 75406). Covers safety instructions, installation, operation, maintenance, troubleshooting, and specifications.</p>
 <p>US XTREMEPOWER 2HP 230V 2-SPEED INGROUND POOL PUMP ITEM: 75035</p> <p>INSTALLATION AND USER'S GUIDE</p>	<p>XtremepowerUS 2HP 230V 2-Speed Inground Pool Pump Installation and User's Guide</p> <p>Comprehensive installation, operation, maintenance, and troubleshooting guide for the XtremepowerUS 2HP 230V 2-Speed Inground Pool Pump (Item #75035). Includes safety instructions, specifications, and parts diagram.</p>
 <p>VEVOR</p> <p>DUAL SPEED POOL PUMP USER MANUAL</p>	<p>VEVOR Dual Speed Pool Pump User Manual</p> <p>Comprehensive user manual for VEVOR Dual Speed Pool Pumps (VVPS215BUS 1.5HP 230V, VVPS220BUS 2.0HP 230V), covering installation, safety precautions, wiring, priming, servicing, storage, and troubleshooting.</p>
 <p>US XTREMEPOWER VARIABLE SPEED PUMP 2.2HP 230V 2-INCH SKU: 75409</p> <p>INSTALLATION AND USER'S GUIDE</p>	<p>XtremepowerUS 75409 Variable Speed Pump Installation and User's Guide</p> <p>This guide provides detailed instructions for the installation, operation, and maintenance of the XtremepowerUS 75409 2.2 HP 230V Variable Speed Pump. Learn about safety precautions, specifications, setup, programming, troubleshooting, and replacement parts.</p>
 <p>Blue Wave TIDAL WAVE™ MAXI II ABOVE GROUND DUAL SPEED POOL PUMP INSTRUCTION MANUAL</p>	<p>Tidal Wave Maxi II Above Ground Dual Speed Pool Pump Manual</p> <p>Instruction manual for the Blue Wave Tidal Wave Maxi II Above Ground Dual Speed Pool Pump, including safety information, parts breakdown, installation, operation, maintenance, troubleshooting, and warranty.</p>
 <p>US XTREMEPOWER VARIABLE SPEED PUMP 1.75HP 230V 2-INCH SKU: 75408</p> <p>INSTALLATION AND USER'S GUIDE</p>	<p>XtremepowerUS 75408 Variable Speed Pump 1.75 HP 230V Installation and User Guide</p> <p>Comprehensive installation and user guide for the XtremepowerUS 75408 Variable Speed Pool Pump (1.75 HP, 230V). Covers safety instructions, product overview, installation, operation, maintenance, troubleshooting, and replacement parts for optimal pool circulation and energy efficiency.</p>