

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [BOMGIE](#) /

> [BOMGIE Submersible Water Pump 1/6 HP \(Model UTL-166P\) Instruction Manual](#)

## BOMGIE UTL-166P

# BOMGIE Submersible Water Pump 1/6 HP Instruction Manual

MODEL: UTL-166P

## 1. Introduction

---

This manual provides essential information for the safe and efficient operation of your BOMGIE 1/6 HP Submersible Water Pump (Model UTL-166P). This high-efficiency utility pump is designed for various water removal tasks, including draining swimming pools, hot tubs, basements, ponds, window wells, and rain barrels. It is also suitable for irrigation and garden watering. Please read this manual thoroughly before initial use and retain it for future reference.

## 2. Safety Information

---

Always prioritize safety when operating electrical equipment near water. The BOMGIE Submersible Water Pump is UL certified, ensuring it meets recognized safety standards. It is equipped with a built-in automatic thermal overload protector to prevent damage from overheating.

- Always use a Ground Fault Circuit Interrupter (GFCI) protected outlet when operating the pump to prevent electrical shock hazards.
- Never operate the pump dry. Ensure the pump is fully submerged in water before plugging it in.
- Do not lift or carry the pump by its power cord or discharge hose. Use the integrated ergonomic handle.
- Ensure all connections are tight to minimize leaks and maintain proper pressure.
- Do not disassemble the motor housing. This pump has no user-serviceable internal parts.
- Protect the power cord from sharp objects, hot surfaces, oil, and chemicals. Avoid kinking the cord.

# SAFETY PROTECTION

Automatic thermal overload protector



Image: The pump features an automatic thermal overload protector for enhanced safety during operation.

## 3. Product Features

- **High Efficiency:** 1/6 HP motor, capable of draining up to 1850 Gallons Per Hour (30.8 gallons per minute) at zero feet. Maximum vertical lift is 29.5 feet.
- **Portable Design:** Features a unique ergonomic handle for easy portability. Its compact size and lightweight construction facilitate easy storage. Made of corrosion-resistant thermoplastic for extended durability.
- **Detachable Suction Screen:** Designed with a removable suction screen that filters debris and protects the pump from damage. It can handle solids up to 1/8 inch in diameter.
- **Versatile Discharge Options:** Comes with a 3/4" garden hose adapter and a 1-1/4" NPT discharge for higher flow. Compatible with 5/8-inch diameter or larger garden hoses.
- **Durable Power Cord:** Equipped with a 10-foot power cord featuring pure copper wire for energy efficiency and high productivity.

# FAST WATER MOVEMENT



Powerful 360°  
Bottom Suction



Max.Head: 29.5ft



Max.Flow: 1850GPH

**UTL-166P**

Image: Illustrates the pump's powerful 360-degree bottom suction for fast water movement, with specifications for max head and flow rate.

# MULTIPLE DISCHARGE OPTIONS



Image: Details the pump's versatile discharge options, including the 1-1/4 inch NPT and the included 3/4 inch garden hose adapter.

## 4. Setup

1. **Attach Discharge Hose:** Screw the desired discharge hose adapter (either the 1-1/4" NPT or the 3/4" garden hose adapter) firmly onto the pump's discharge port. Ensure a rubber washer is used with the garden hose adapter to prevent leaks.
2. **Connect Hose:** Attach your discharge hose (5/8-inch diameter or larger garden hose, or a 1-1/4 inch discharge hose) to the adapter. Ensure the hose is free of kinks or sharp bends that could restrict water flow.
3. **Position the Pump:** Place the pump on a solid, level base in the area to be drained. Do not place the pump directly on sand or dirt, as this can block the suction screen.
4. **Priming Requirement:** A minimum water level of 1 inch is required to prime the pump.

## 5. Operating Instructions

1. **Submerge Pump:** Ensure the pump is fully submerged in water, with at least 1 inch of water covering the suction screen for proper priming.
2. **Connect to Power:** Plug the pump into a 115-volt GFCI protected power outlet. The pump will start

operating immediately upon connection.

3. **Monitor Operation:** The pump will continue to operate until the water level is reduced to approximately 1/4 inch.
4. **Stop Operation:** Unplug the pump from the power supply to stop it.
5. **Avoid Dry Running:** Do not allow the pump to run dry, as this can cause damage to the motor and void the warranty. The thermal overload protector will shut off the pump if it overheats.

Your browser does not support the video tag.

Video: Official BOMGIE video demonstrating the 1/6 HP Submersible Water Utility Sump Pump in operation, highlighting its features and ease of use.

Your browser does not support the video tag.

Video: A short official BOMGIE video showcasing the 1/6 HP Submersible Water Pump, demonstrating its functionality and compact design.

## 6. Maintenance

---

- **Clean Suction Screen:** Regularly inspect and clean the detachable suction screen to ensure optimal performance and prevent blockages.
- **Hose Inspection:** Check the discharge hose for any kinks, sharp bends, or damage that could impede water flow. Straighten any kinks before operation.
- **Storage:** After use, remove the pump from the water and drain any remaining water from the pump and hose. Store in a dry, protected area.

## 7. Troubleshooting

---

Problem	Possible Cause	Corrective Action
Pump does not start or run	Blown fuse	Replace fuse
	Tripped breaker	Reset breaker
	Plug disconnected	Secure plug
	Thermal overload	Unplug the pump for 30 minutes, then plug in
	Corroded plug	Clean plug prongs
	Motor failed	Contact support
Pump cannot pump water out	Screen blocked	Clean screen
	Hose kinked, bent sharply, or coiled	Straighten hose
	Airlock	Clean airlock release feature
	Hose diameter too small	Use larger diameter hose
	Hose length too long	Use shorter hose
	Impeller loose on shaft	Reassemble impeller

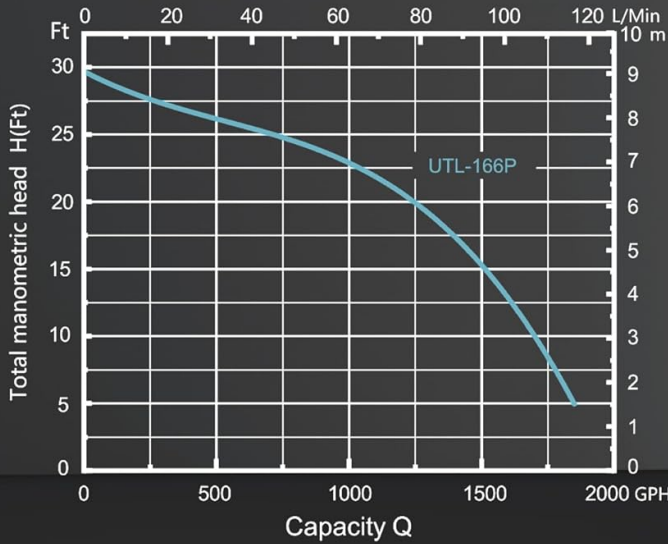
Problem	Possible Cause	Corrective Action
	Impeller broken	Contact support

## 8. Specifications

---

Property	Specification
Model	UTL-166P
Voltage	115V/60Hz
Horsepower	1/6 HP (0.16 HP)
Amps	3.2 A
Max. Head	29.5 ft
Max. Flow Rate	1850 GPH (30.8 GPM)
Discharge Size	1-1/4 inch NPT, 3/4 inch Garden Hose Adapter
Power Cord Length	10 ft
Material	Thermoplastic
Item Weight	8.3 lbs
Product Dimensions	5.8"L x 5.8"W x 9.7"H

# 1/6 HP SUBMERSIBLE WATER PUMP



	Performance					Maximum Head
Discharge head	0 ft	10 ft	15 ft	20 ft	25 ft	29.5 ft
Gallon per hour	1850	1700	1500	1250	750	

Image: Performance chart detailing the pump's capacity (GPH) at different discharge head heights.

## 9. Warranty and Support

The BOMGIE Submersible Water Pump (Model UTL-166P) comes with a 2-year warranty. For any concerns or issues, please do not hesitate to contact the BOMGIE Service Team. They are available to assist within 24 hours.

- **Warranty Duration:** 2 Years
- **Contact:** Refer to the product packaging or manufacturer's website for the most current service contact information.