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AgiMan YBBLBK

AgiMan 1HP Automatic Submersible Water Pump User Manual

Model: YBBLBK

1. SAFETY INFORMATION

Read all safety warnings and instructions carefully before operating this pump. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always disconnect the pump from the power supply before performing any maintenance or cleaning.
- Do not operate the pump if the power cord or plug is damaged.
- Ensure the power outlet is properly grounded and protected by a Ground Fault Circuit Interrupter (GFCI).
- Do not use the pump to transfer flammable or corrosive liquids.
- Keep children and unauthorized persons away from the operating pump.
- The pump is designed for water only. Do not run dry.
- Maximum fluid temperature for operation is 35°C (95°F).

2. PRODUCT OVERVIEW

The AgiMan 1HP Automatic Submersible Water Pump (Model YBBLBK) is designed for efficient water removal from various areas such as flooded basements, swimming pools, ponds, and rain barrels. It features an automatic on/off function and thermal overload protection for reliable operation.



Image 1: The AgiiMan 1HP Automatic Submersible Water Pump, showcasing its compact design and included adapters.

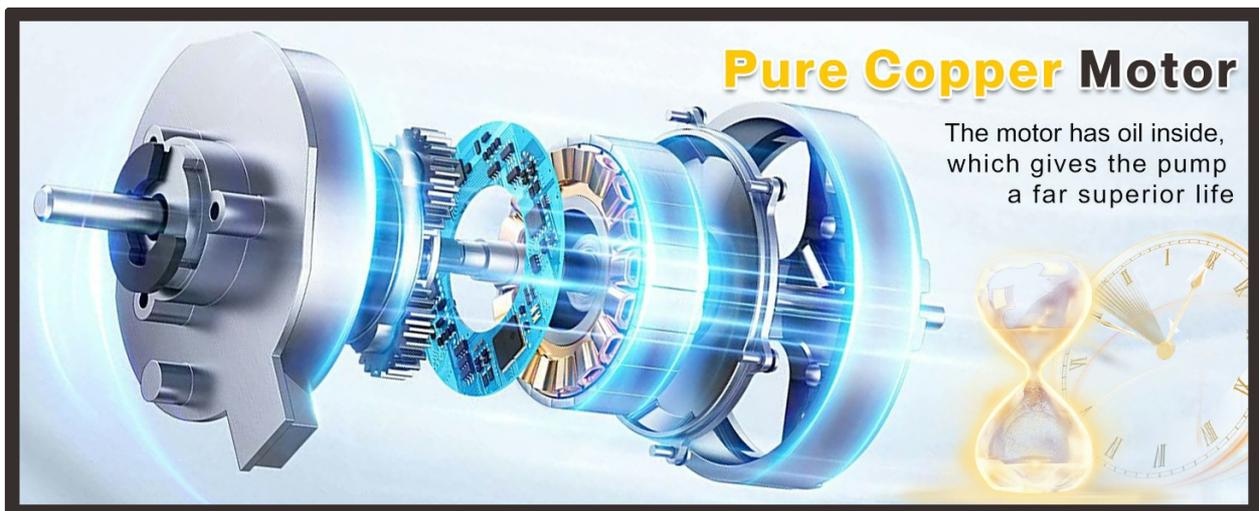


Image 2: Key features of the pump, highlighting the portable handle, bottom suction design for impurity filtration, and the 33-foot power cable for extended reach.

3. TECHNICAL SPECIFICATIONS

Refer to the following table for detailed technical specifications of the AgiiMan 1HP Automatic Submersible Water Pump.



Image 3: Visual representation of the pump's technical specifications, including voltage, horsepower, maximum head, maximum flow rate, maximum amperage, and power cord length.

Specification	Value
Brand	AgiiMan
Model Number	YBBLBK
Output Power	1 HP
Maximum Flow Rate	5000 GPH (37 Gallons Per Minute)
Maximum Head	36 Feet
Voltage	115V / 60Hz
Maximum Amps	4.2A
Power Cord Length	33 Feet
Maximum Fluid Temperature	35°C (95°F)
Protection Class	IPX8
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	7.5"L x 7.5"W x 9"H
Item Weight	8.8 Pounds

4. SETUP INSTRUCTIONS

Follow these steps to set up your AgiiMan submersible water pump:

- 1. Attach Discharge Hose:** Connect a suitable discharge hose to the pump's outlet. The pump comes with 3/4" GHT (elbow 90°), 3/4" GHT, and quick connect adapters. Choose the appropriate adapter for your hose. Ensure a secure, leak-free connection.
- 2. Position the Pump:** Place the pump in the area where water needs to be removed. Ensure it is on a stable, level surface. The pump is designed for submersible use and must be fully submerged in water during operation.
- 3. Route the Power Cord:** Ensure the 33-foot power cord is routed safely, avoiding kinks or damage. Do

not place the cord where it can be tripped over or damaged by sharp objects.

4. **Connect to Power:** Plug the pump into a properly grounded 115V/60Hz electrical outlet protected by a GFCI.



Image 4: Diagram illustrating the various hose adapter connections (3/4" GHT elbow, 3/4" NPT adapter, 3/4" Quick Connect) to the pump's 1" NPT internal thread.

5. OPERATING INSTRUCTIONS

The AgiiMan pump features an automatic on/off function for convenient operation.

- **Automatic Start:** The pump will automatically activate when the water level reaches approximately 5/8 inch above the pump's base.
- **Automatic Stop:** When the water level falls below approximately 1/3 inch, the pump will continue to run for an additional 20 seconds to remove as much water as possible, then automatically shut off. The bottom suction design allows water removal down to 1mm.
- **Thermal Overload Protection:** The pump is equipped with a smart temperature controller. If the motor temperature reaches 105°C (221°F), the pump will automatically shut down to prevent damage. It will restart automatically once it has cooled down.

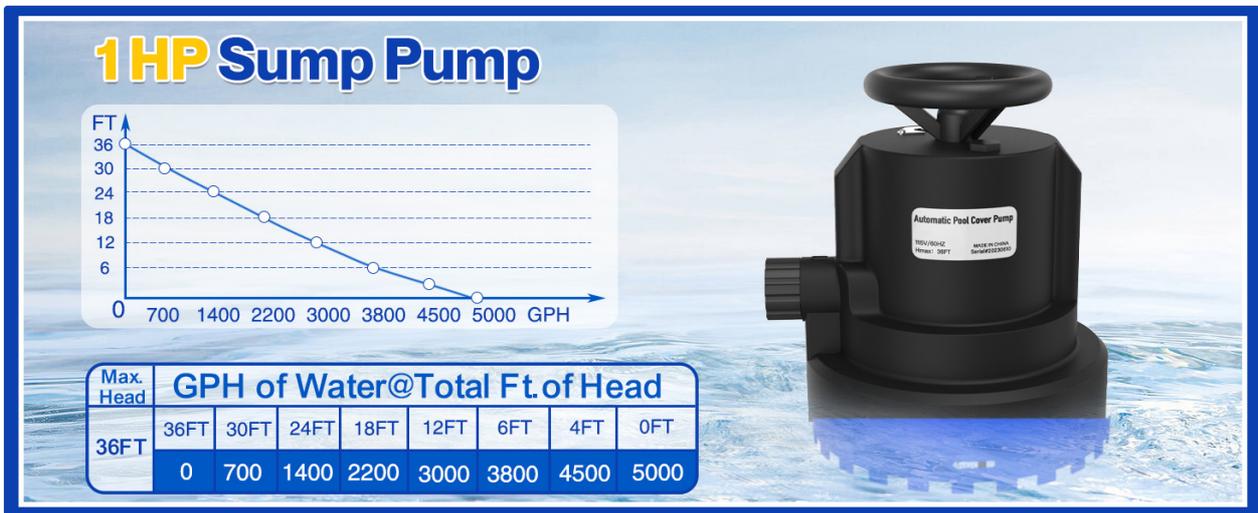


Image 5: Illustration of the pump's automatic ON/OFF function, indicating the minimum start water level (above 5/8") and minimum stop water level (below 1/3", draining to 1mm).

6. MAINTENANCE

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

- **Cleaning:** Periodically inspect the pump's intake screen for debris. The pump can handle solids up to 1/6 inch. If larger impurities are inhaled, it may cause blockage and reduced water output. Disconnect power, remove the base, clean out any impurities, and then restart.
- **Storage:** When not in use for extended periods, especially during winter in freezing temperatures, ensure the pump is drained of all water to prevent damage. Store in a dry, protected area.
- **Inspection:** Regularly check the power cord and pump housing for any signs of damage.



Image 6: Visual guide indicating the maximum particle size (1/6 inch) that the pump can handle without causing blockage.

7. TROUBLESHOOTING

If you encounter issues with your pump, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Pump does not turn on.	No power, water level too low, thermal overload activated.	Check power connection and GFCI. Ensure water level is above 5/8". Allow pump to cool if thermal overload was triggered.
Pump runs but no water is discharged or flow is weak.	Discharge hose kinked or blocked, intake screen blocked, airlock.	Check and clear discharge hose. Clean intake screen. Lift and tilt pump slightly to release airlock.
Pump does not turn off automatically.	Water level still above 1/3" after 20 seconds, sensor malfunction.	Verify water level. If issue persists, contact customer support.
Pump makes unusual noise.	Debris in impeller, pump running dry.	Disconnect power, inspect and clear impeller. Ensure pump is fully submerged.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact AgiiMan customer service. Keep your purchase receipt as proof of purchase.

Contact information can typically be found on the product packaging or the official AgiiMan website.