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› [ENGINDOT](#) /

› ENGINDOT-GSUP1A-1/3 Sump Pump User Manual

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Model: GSUP1A-1/3 | Brand: ENGINDOT

PRODUCT OVERVIEW

The ENGINDOT-GSUP1A-1/3 Sump Pump is a versatile and efficient submersible utility pump designed for various water removal applications. Its robust construction and automatic operation make it suitable for draining basements, sumps, pools, and other flooded areas. This manual provides essential information for the safe and effective use of your pump.



Image: Front view of the ENGINDOT-GSUP1A-1/3 Sump Pump, showcasing its compact design and integrated handle.

KEY FEATURES

- **Automatic On/Off Operation:** Equipped with an intelligent water level sensor for automatic activation and deactivation, saving time and effort.
- **Durable Construction:** Features an extra thick and corrosion-resistant body for extended lifespan.
- **Ergonomic Grip:** Designed with a comfortable handle for easy portability and transport.
- **Capacitive Induction Mode:** Advanced sensing technology for reliable water level detection.
- **Automatically Resetting Thermal Protector:** Built-in safety feature to prevent motor overheating.
- **High Performance:** Capable of moving large volumes of water with a maximum flow rate of 2160 GPH and a maximum head of 33.5 ft.



Image: Diagram illustrating key components of the sump pump, including the check valve adapter, ergonomic grip, switch box, water level sensor, pump base, and bottom filter.

**EQUIPPED WATER LEVEL SENSOR, ON/OFF
AUTOMATICALLY, SAVE TIME AND EFFORT**



**WATER
LEVEL SENSOR**



**CAPACITIVE
INDUCTION MODE**



**AUTOMATICALLY RESETTING
THERMAL PROTECTOR**

Image: Close-up view highlighting the water level sensor, capacitive induction mode, and the automatically resetting thermal protector for enhanced safety and automation.

SETUP INSTRUCTIONS

1. **Placement:** Position the pump on a stable, level surface in the area to be drained, such as a sump pit or a flooded floor. Ensure the pump base is clear of large debris.
2. **Discharge Hose Connection:** Connect a suitable discharge hose to the pump's outlet. The pump has a 3/4 inch discharge size. Ensure the connection is secure to prevent leaks.
3. **Power Connection:** Plug the pump's power cord into a grounded 115V/60Hz electrical outlet. Ensure the power cord is not submerged in water and is protected from damage.



Image: The ENGINDOT sump pump positioned within a typical sump pit, ready for operation.

OPERATING INSTRUCTIONS

The ENGINDOT-GSUP1A-1/3 Sump Pump operates automatically based on water level detection. Once properly set up and plugged in, the pump will activate and deactivate as follows:

- **Automatic Activation:** The pump will automatically turn on when the water level reaches approximately 1-1/2 inches (3.8 cm) above the pump base.
- **Automatic Deactivation:** The pump will continue to operate until the water level drops to approximately 1/4 inch (0.6 cm) above the pump base, at which point it will automatically turn off.

This "Plug and Go!" functionality ensures efficient water removal without constant manual intervention.



PLUG and GO!

WATER DEPTH > 1-1/2 IN

The pump will only turn on when the water level reaches about 1-1/2 inches, and will automatically turn off when the water level remains about 1/4 inch.

Image: The sump pump partially submerged in water, illustrating its automatic activation when water depth reaches 1-1/2 inches and automatic shut-off when water remains at 1/4 inch.

MAINTENANCE

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

- **Clean the Bottom Filter:** Periodically inspect and clean the bottom filter to prevent clogging from debris, which can reduce pumping efficiency.
- **Check for Debris:** Ensure no large objects or excessive sediment are obstructing the pump's intake or the water level sensor.
- **Inspect Power Cord:** Regularly check the power cord for any signs of damage, fraying, or cuts. Do not use the pump if the cord is damaged.
- **Winterization (if applicable):** If the pump is used in an area subject to freezing temperatures, ensure it is drained and stored in a frost-free location when not in use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not turn on.	No power; Water level too low; Obstruction around sensor.	Check power connection and circuit breaker; Ensure water level is above 1-1/2 inches; Clear any debris from the water level sensor.
Pump does not turn off.	Sensor obstructed; Pump not draining completely.	Clear debris from the water level sensor; Ensure discharge hose is not kinked or blocked; Verify pump is on a level surface.
Reduced water flow.	Clogged intake/filter; Kinked or blocked discharge hose.	Clean the bottom filter and intake area; Inspect and clear the discharge hose.
Pump is noisy.	Debris in impeller; Pump not stable.	Disconnect power and check for debris in the impeller area; Ensure pump is placed on a stable, level surface.

TECHNICAL SPECIFICATIONS

Specification	Value
Brand	ENGINDOT
Model Number	GSUP1A
Voltage	115 Volts / 60Hz
Horse Power (HP)	1/3 HP
Amperage	4 Amps
Max. Flow (GPH)	2160 GPH
Max. Head (ft.)	33.5 ft.
Discharge Size	3/4 inch
Power Cord Length	10 ft.
Material	Plastic
Color	Black
Item Weight	3.8 Kilograms (approx. 8.38 lbs)
Product Dimensions (LxWxH)	24 x 17.96 x 16 cm (approx. 9.45 x 7.07 x 6.3 inches)

Portable Submersible Utility Water Pump

Max. Flow(GPH): **2160**

Max. Head(ft.): **33.5 ft.**

Performance

GPH of water @ Total Ft. Head					Max. Head
5 ft.	10 ft.	15 ft.	20 ft.	25 ft.	
2160	1950	1700	1450	1100	33.5 ft.

Voltage: **115V/60Hz**

Horse Power: **1/3HP**

Amps: **4A**

Discharge Size(in.): **3/4 in.**

Power Cord Length: **10 ft.**



Image: A chart detailing the pump's performance metrics, including GPH at various head heights, along with electrical specifications like voltage, horsepower, and amperage.

WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact ENGINDOT customer service directly. Refer to the product packaging or the manufacturer's official website for the most current contact details. Always ensure you have your product model number (GSUP1A-1/3) and purchase date available when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question