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DRUMMOND 63407

DRUMMOND 1 HP Stainless Steel Shallow Well Pump and Tank User Manual

Model: 63407 | Brand: DRUMMOND

PRODUCT OVERVIEW

This DRUMMOND 1 HP Stainless Steel Shallow Well Pump and Tank system is designed for residential water setups. It features a 5-gallon hardened steel alloy tank and a stainless steel housing and volute, ensuring durability and compatibility with potable water due to its lead-free fittings and rubber seals. The pump offers a maximum flow of 950 GPH and a total head lift of 115.5 ft., with a maximum well depth of 26 ft. It operates at 120 Volts (AC) and includes thermal protection with automatic reset for enhanced safety and longevity. The maximum water pressure is 50 PSI.



Image: The DRUMMOND 1 HP Stainless Steel Shallow Well Pump and Tank, featuring a green tank base, a stainless steel pump head, and a green motor housing. A pressure gauge and electrical control box are visible on the pump head.

IMPORTANT SAFETY INFORMATION

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

- Always disconnect power before servicing or performing maintenance on the pump.
- Ensure proper grounding to prevent electrical shock.
- Do not operate the pump with damaged cords or plugs.
- Keep children and unauthorized persons away from the pump during operation.

- Install the pump in a dry, well-ventilated area, protected from freezing temperatures.
- Use only for pumping potable water as specified. Do not use for flammable liquids or corrosive chemicals.
- Ensure all plumbing connections are secure and leak-free before operation.

SETUP INSTRUCTIONS

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Location:** Choose a location that is dry, level, and protected from freezing. Ensure adequate ventilation around the pump.
3. **Mounting:** Secure the pump to a stable surface using appropriate fasteners through the mounting holes on the base.
4. **Plumbing Connections:**
 - Connect the suction line from the well to the pump's inlet. Ensure the suction line is airtight to prevent air leaks.
 - Connect the discharge line from the pump's outlet to your household plumbing system.
 - Use thread sealant on all threaded connections to prevent leaks.
5. **Priming the Pump:**
 - Remove the priming plug on the pump housing.
 - Fill the pump housing completely with water until it overflows.
 - Replace the priming plug securely.
6. **Electrical Connection:** Connect the pump to a dedicated 120V AC grounded electrical outlet. Ensure the circuit is protected by a ground fault circuit interrupter (GFCI). Consult a qualified electrician if unsure.

OPERATING INSTRUCTIONS

1. **Initial Start-up:** After completing the setup and priming, turn on the power to the pump. The pump should start and begin to build pressure.
2. **Pressure Monitoring:** Observe the pressure gauge. The pump is designed to operate within a pressure range, typically turning on at a lower pressure (e.g., 30 PSI) and off at a higher pressure (e.g., 50 PSI).
3. **Air in System:** If the pump runs continuously or cycles frequently, there may be air in the system. Re-prime the pump and check all connections for air leaks.
4. **Normal Operation:** The pump will automatically turn on when water is drawn from the system and the pressure drops, and turn off when the pressure reaches its set maximum.
5. **Shutting Down:** To temporarily shut down the pump, turn off the electrical power. For extended periods of non-use, drain the pump and plumbing lines to prevent freezing.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your pump.

- **Annual Inspection:** Annually inspect all plumbing connections for leaks and tighten as necessary. Check electrical connections for corrosion or damage.
- **Pressure Tank Check:** Periodically check the air pre-charge in the pressure tank. This should be done when the tank is empty of water and the pump is off. Refer to the pressure tank's specific instructions for the correct pressure.
- **Winterization:** In areas subject to freezing temperatures, the pump and all exposed plumbing lines must be drained completely to prevent damage from ice expansion.
- **Cleaning:** Keep the pump and motor free of dirt and debris to ensure proper cooling.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start or run.	No power; tripped circuit breaker; faulty wiring; motor overload.	Check power supply; reset breaker; inspect wiring; allow motor to cool and reset thermal protection.
Pump runs but no water or low pressure.	Pump not primed; air leak in suction line; low water level in well; clogged impeller.	Re-prime pump; check all suction connections for leaks; verify well water level; inspect and clear impeller.
Pump cycles on and off frequently.	Waterlogged pressure tank; air leak in system; faulty pressure switch.	Check and adjust pressure tank air charge; inspect for leaks; test or replace pressure switch.
Pump is noisy.	Air in pump; cavitation; worn bearings.	Re-prime pump; ensure adequate water supply; contact qualified service technician for bearing issues.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	DRUMMOND
Model Number	63407
Horsepower	1 HP

Feature	Specification
Maximum Flow Rate	950 GPH (15.83 Gallons Per Minute)
Discharge	1 inch
Total Head Lift	115.5 ft.
Maximum Well Depth	26 ft.
Maximum Water Pressure	50 PSI
Tank Capacity	5 gal. (hardened steel alloy)
Voltage	120 Volts (AC)
Material	Stainless Steel (housing and volute), Rubber
Item Weight	32.5 Pounds
Dimensions (Package)	21 x 18 x 11 inches
Thermal Protection	Automatic Reset

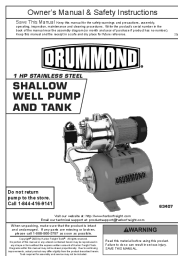
WARRANTY AND SUPPORT

This DRUMMOND product is backed by a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including coverage duration and limitations. Keep your proof of purchase for warranty claims.

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact DRUMMOND customer support. Contact information can typically be found on the product packaging or the manufacturer's official website.

Note: Protection plans may be available for extended coverage. Check with your retailer for details.

Related Documents - 63407



[Drummond 1 HP Stainless Steel Shallow Well Pump and Tank Owner's Manual](#)

Owner's manual and safety instructions for the Drummond 1 HP Stainless Steel Shallow Well Pump and Tank. Includes assembly, operating, inspection, maintenance, and troubleshooting information.



[Drummond Submersible Shallow Well Utility Pump Owner's Manual & Safety Instructions \(1/3 HP & 1/6 HP\)](#)

Comprehensive owner's manual and safety guide for Drummond 1/3 HP and 1/6 HP submersible shallow well utility pumps. Includes specifications, installation, operation, maintenance, parts list, and warranty information.



[Drummond 1/3 & 1/6 HP Submersible Shallow Well Utility Pump Owner's Manual & Safety Instructions](#)

Comprehensive owner's manual and safety guide for the Drummond 1/3 HP and 1/6 HP submersible shallow well utility pumps (Models 63318, 63319). Includes installation, operation, maintenance, parts list, and warranty information.



[Drummond 1/10 HP Non-Submersible Transfer Pump Owner's Manual & Safety Instructions](#)

This manual provides safety instructions, operating procedures, maintenance guidelines, and parts lists for the Drummond 1/10 HP Non-Submersible Transfer Pump (Item 63317). It covers electrical safety, proper usage, installation, and a 90-day limited warranty.



[Drummond 1/10 HP Non-Submersible Transfer Pump Owner's Manual & Safety Instructions](#)

Comprehensive owner's manual and safety instructions for the Drummond 1/10 HP Non-Submersible Transfer Pump (Model 63317). Covers specifications, installation, operation, maintenance, troubleshooting, parts list, and warranty information.



[Drummond 1/2 HP Non-Submersible Transfer Pump Owner's Manual & Safety Instructions](#)

Comprehensive owner's manual and safety guide for the Drummond 1/2 HP Non-Submersible Transfer Pump (Model 63316, UPC 792363633161). Covers specifications, installation, operation, maintenance, parts list, and a 90-day limited warranty provided by Harbor Freight Tools.