

Simer 2300-04

Simer 2300-04 Submersible Utility Pump User Manual

Model: 2300-04

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Simer 2300-04 1/4 HP Submersible Utility Pump. Please read this manual thoroughly before operating the pump and retain it for future reference.

The Simer 2300-04 is a heavy-duty cast aluminum submersible utility pump designed for various water transfer applications, including window wells, basements, and rooftops. It features a 1/4 HP motor, 115V operation, and includes a garden hose adapter for versatile use.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of injury, fire, or electric shock:

- **Electrical Safety:** Ensure the pump is connected to a properly grounded 115V AC outlet. Do not operate the pump with a damaged power cord or plug. Do not remove the grounding prong.
- **Water Immersion:** This pump is designed for submersible use only. Do not operate the pump dry.
- **Temperature Limits:** Do not pump liquids hotter than 120°F (49°C).
- **Hazardous Materials:** Do not use this pump to transfer flammable or corrosive liquids.
- **Children and Pets:** Keep children and pets away from the pump and the area of operation.
- **Maintenance:** Always disconnect power before performing any maintenance or cleaning.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Simer 2300-04 Submersible Utility Pump
- Power Cord (8-feet)
- Garden Hose Adapter
- User Manual (this document)

4. SETUP

Follow these steps for initial setup:

1. **Positioning the Pump:** Place the pump on a stable, level surface in the area to be drained. Ensure the pump is fully submerged in at least 2 inches of water for optimal operation.
2. **Connecting the Discharge Hose:**
 - For standard garden hoses, attach the included garden hose adapter to the 1-1/4 inch Male NPT discharge pipe on the pump. Tighten securely.
 - For larger discharge pipes (1-1/4 inch NPT), connect directly to the pump's discharge outlet.

Ensure the discharge hose is routed away from the area being drained to prevent re-flooding.

3. **Power Connection:** Plug the 8-foot power cord into a grounded 115V AC electrical outlet. Ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI) for added safety.



Figure 4.1: Simer 2300-04 Submersible Utility Pump with power cord and discharge pipe.

5. OPERATING INSTRUCTIONS

The Simer 2300-04 pump is designed for simple operation:

1. **Initiating Operation:** Once the pump is submerged and the discharge hose is connected, plug the pump into the electrical outlet. The pump will begin operating immediately.
2. **Monitoring:** Observe the pump's operation to ensure water is being discharged effectively. The pump is capable of moving up to 1320 gallons per hour (GPH).
3. **Stopping Operation:** To stop the pump, simply unplug it from the electrical outlet.
4. **Minimum Water Level:** The pump will continue to operate until the water level drops to approximately 3/8 to 1/2 inch. Operating the pump in very shallow water or dry for extended periods can cause damage due to overheating.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pump:

- **Cleaning:** Periodically clean the pump's intake screen to prevent clogging from debris. Disconnect power before cleaning.
- **Storage:** When not in use, store the pump in a dry, frost-free location. If the pump has been used in dirty water, flush it with clean water before storage.
- **Inspection:** Regularly inspect the power cord for any signs of damage. Do not use the pump if the cord is frayed or damaged.

7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
Pump does not start or run.	No power to the pump; Clogged intake screen; Overheated motor.	Check power connection and GFCI; Clean intake screen; Allow pump to cool down.
Pump runs but no water is discharged.	Discharge hose kinked or blocked; Pump not fully submerged; Air lock.	Check and clear hose; Ensure pump is submerged; Lift and lower pump to release air.
Reduced flow rate.	Partially clogged intake screen; Obstruction in discharge hose.	Clean intake screen; Check and clear discharge hose.

8. SPECIFICATIONS

Feature	Detail
Model	2300-04
Brand	Simer
Horsepower	1/4 HP (0.25 hp)
Voltage	115V AC

Feature	Detail
Maximum Flow Rate	1320 GPH (22 Gallons Per Minute)
Maximum Lifting Height	25 Feet
Discharge Pipe Size	1-1/4 inch Male NPT
Power Cord Length	8 Feet
Material	Heavy-duty Cast Aluminum
Max Liquid Temperature	120°F (49°C)
Product Dimensions (L x W x H)	11.38" x 6.38" x 6.38"
Item Weight	9 Pounds



Figure 8.1: Approximate dimensions of the Simer 2300-04 pump.

9. WARRANTY AND SUPPORT

The Simer 2300-04 Submersible Utility Pump comes with a **2-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or replacement parts, please contact Simer customer service. Refer to the product packaging or the official Simer website for the most current contact information.

Online Resources: For additional information and FAQs, visit the official Simer website or the product page on Amazon.com: [Simer 2300-04 Product Page](#)

