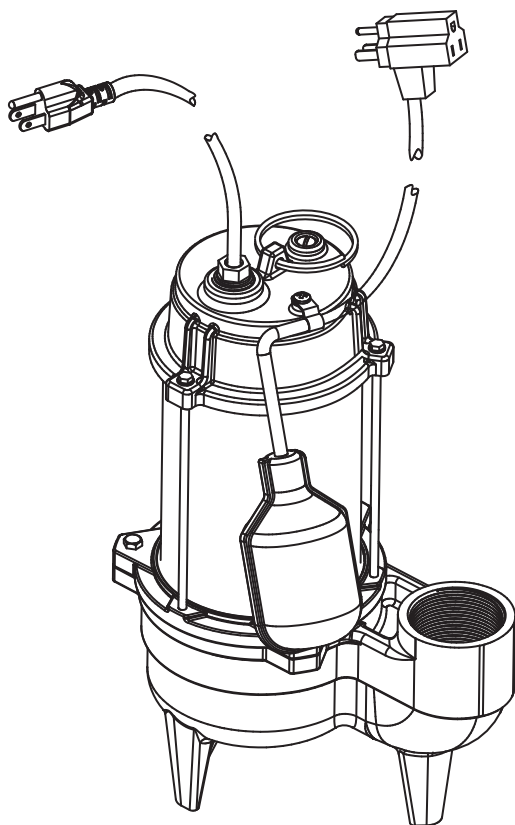


model no. 062-3429-6



## Submersible SEWAGE PUMP



### **IMPORTANT:**

Please read this manual carefully before running this pump and save it for reference.

## **INSTRUCTION MANUAL**



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### NOTE:

If any parts are missing or damaged, or if you have any questions, please call our toll-free helpline at 1-800-689-9928.



### SAVE THESE INSTRUCTIONS

This manual contains important safety and operating instructions.  
Read all instructions and follow them with use of this product.

model no. 062-3429-6 | contact us 1-800-689-9928

TECHNICAL SPECIFICATIONS

Model Number	062-3429-6
Voltage	115 V / 60 Hz
Horsepower	1/2 HP
Amps	9.5 A
Max. Head	27' (8.2 m)
Max. Flow	6000 U.S. GPH (22,713 L/h)
Discharge Size	2" (5.1 cm)
Power Cord Length	10' (3 m)

PERFORMANCE

5' (1.5 m)	10' (3 m)	15' (4.5 m)	20' (6.1 m)	Max. Head
6000 GPH (22,713 L/h)	5000 GPH (18,927 L/h)	4100 GPH (15,520 L/h)	3300 GPH (12,492 L/h)	27' (8.2 m)

## SAFETY

### WARNING

- Do not pump flammable or explosive liquids such as oil, gasoline, kerosene, ethanol, etc. Do not use in the presence of flammable or explosive vapours. Using this pump with or near flammable liquids can cause explosion or fire, resulting in serious personal injury and/or property damage.
- Always disconnect the pump from its power source before installing, inspecting, maintaining, or repairing.
- Do not stand in water when the pump is connected.
- Do not touch the pump housing while it is operating, as the pump may be HOT and can cause serious skin burns.
- Do not disassemble the motor housing. The motor has NO repairable internal parts, and disassembling may cause oil leakage or dangerous electrical wiring issues.

### CAUTION

- This pump was designed exclusively for SEWAGE WATER TRANSFER applications, i.e., transferring water with 2" (5 cm) suspended, stringy solids in it, and NOT to pump clear water from sump pits, hot water applications, water fountain/features applications, etc.
- Call an electrician when in doubt. The pump should be connected to a separate 15 A circuit breaker or 15 A fuse block. Plugging into existing outlets may cause low voltage at the motor. This could cause blown fuses, tripping of motor overload or a burned out motor.

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- This pump is made of high-strength, corrosion-resistant materials. It will provide trouble-free service for a long time when properly installed, maintained, and used. However, inadequate electrical power to the pump, dirt, or blockage by ice or debris may cause the pump to fail, eventually bringing about additional water damage. To minimize the potential for water damage due to pump failure, please carefully read the manual and follow the instructions regarding common pump problems and remedies or call 1-800-689-9928.
  - This pump has not been tested or approved for use in swimming pools or in salt-water marine areas. It is also not engineered to be run continuously as a "fountain" or "waterfall" pump. Because this pump has an oil-filled motor, it should NOT be used in water containing fish. Pump only water with this pump.
  - For safety, the pump motor has an automatic resetting thermal protector that automatically will turn off the pump if it becomes too hot. Overuse of this feature will damage the pump and will void the warranty.

- Once the thermal protector detects that the pump has cooled to a safe temperature, it will allow the pump to operate normally. If the pump is plugged in, it may restart unexpectedly.

### **ADDITIONAL SAFETY PRECAUTIONS**

1. Know the pump applications, limitations, and potential hazards.
2. Make certain the electrical power source is adequate for the requirements of the pump.
3. ALWAYS disconnect the power to the pump before servicing.
4. Release all pressure (drain all water) within system before servicing any component.
5. Secure discharge line before starting pump. An unsecured discharge line will whip, possibly causing personal injury and/or property damage.
6. Secure the pump on a solid base to keep the pump vertical and above mud and sand during operation to maximize pumping efficiency and prevent clogging and premature pump failure.
7. Check that all pipe connections are tight to minimize leaks.
8. Connect the pump DIRECTLY to a grounded, GFCI outlet.
9. Extension cords may not deliver sufficient voltage to the pump motor. Extension cords present a life threatening safety hazard if the insulation becomes damaged or the connection ends fall into water.
10. Make certain the electrical circuit to the pump is protected by a 15 A or larger fuse or circuit breaker.
11. Periodically inspect the pump and system components to be sure the pump inlets are free of mud, sand, and debris. DISCONNECT THE PUMP FROM THE POWER SUPPLY BEFORE INSPECTING.
12. Wear safety glasses at all times when working with pumps.
13. Follow all electrical and safety codes, particularly the National Electrical Code (NEC) or the Canadian Electrical Code (CEC), and in the workplace, the Occupational Safety and Health Act (OSHA) or the Canadian Centre for Occupational Health and Safety (CCOHS).
14. This unit is designed only for use on 115 V (single phase), 60 Hz, and is equipped with an approved 3-conductor cord and 3-prong grounded plug. DO NOT REMOVE THE GROUND PIN UNDER ANY CIRCUMSTANCES. The 3-prong plug must be directly inserted into a properly installed and grounded 3-prong, grounding-type receptacle. Do not use this pump with a 2-prong wall outlet. Replace the 2-prong outlet with a properly grounded 3-prong receptacle (a GFCI outlet) installed in accordance with the NEC or CEC and local codes and ordinances. All wiring should be performed by a qualified electrician.
15. Protect the electrical cord from sharp objects, hot surfaces, oil, and chemicals. Avoid kinking the cord. Do not use damaged or worn cords.

### INSTALLATION PREPARATION

**Estimated Assembly Time** (new installation): 30 minutes (or longer if installing new sump pit).

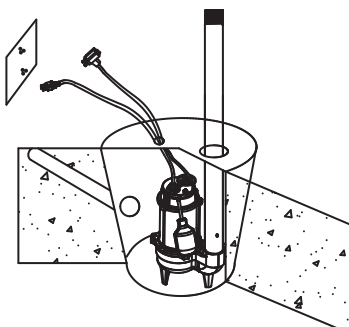
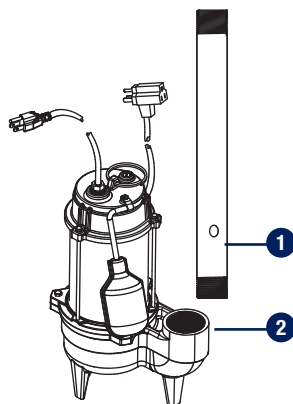
**Materials Required for Assembly** (not included): Thread-sealant Tape, 2" (5 cm) Check valve, 2" (5 cm) Elbow, 2" (5 cm) Union, 2" (5 cm) Nipple Pipe, 2" (5 cm) Gate Valve

**Tools Required for Assembly** (not included): Wrench, Cross-head Screwdriver

- 1 Connecting a discharge pipe to the pump.

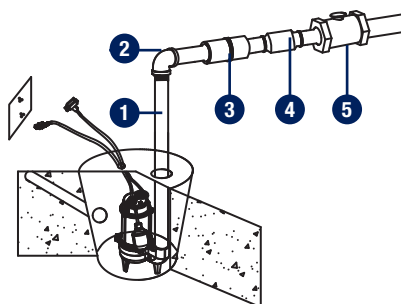
Wrap the threads of the 2" (5 cm) discharge pipe (1) with thread-sealant tape.

Attach the discharge pipe (1) to the discharge of the pump (2).



- 2 Placing the pump in a basin.  
Place the pump on a hard surface inside a sewage basin.

- 3 Connecting the check valve.  
Connect the discharge pipe (1) to the elbow (2), union (3), check valve (4), and gate valve (5.)



### WARNING:

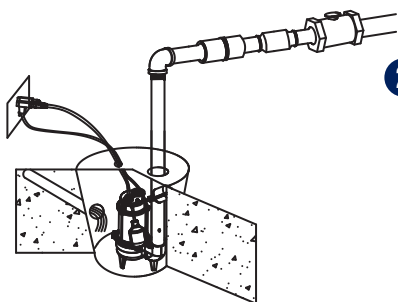
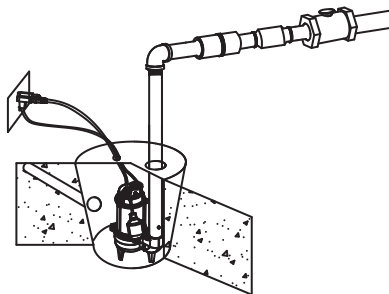
Always use handle to lift pump. Never use power cord to lift pump. To avoid skin burns, unplug and allow time for the pump to cool after periods of extended use.

**1** Connecting power.

Plug the pump power cord plug into the piggy-back switch plug outlet.

Plug the switch plug into a 115 V GFCI power outlet.

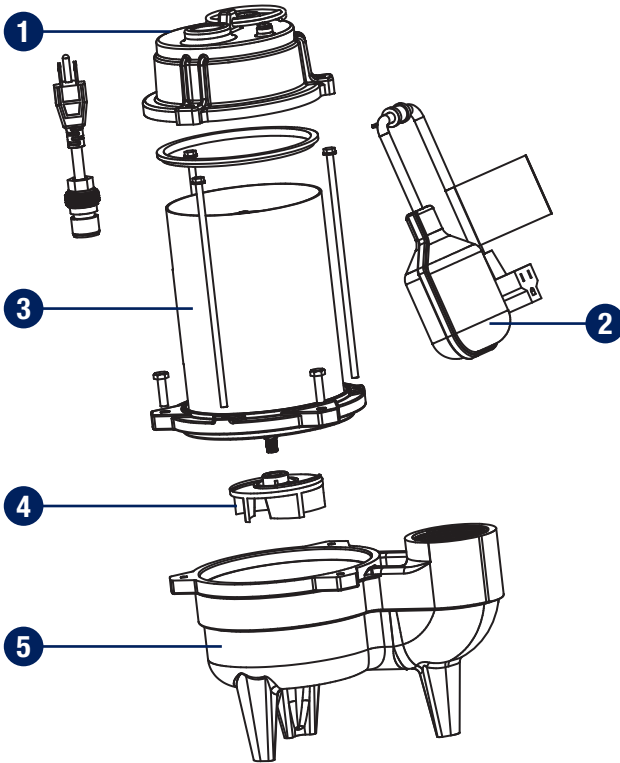
Allow pump to operate through several on-off cycles.

**2** Operating the pump.

When the float switch (1) moves up over the top of the pump, the pump begins to operate. When the water lowers to a certain level, the float switch (1) will turn the pump off.



### KEY PARTS DIAGRAM



### PARTS LIST

No.	Description	No.	Description
1	Head cover	4	Impeller
2	Piggy-back float switch	5	Pump body
3	Motor house		

## TROUBLESHOOTING

Problem	Possible Cause	Corrective Action
Pump does not start or run.	<ol style="list-style-type: none"> <li>1. Blown fuse.</li> <li>2. Tripped breaker.</li> <li>3. Plug disconnected.</li> <li>4. Corroded plug.</li> <li>5. Thermal overload.</li> <li>6. Motor failed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace fuse.</li> <li>2. Reset breaker.</li> <li>3. Secure plug.</li> <li>4. Clean plug prongs.</li> <li>5. Disconnect the pump from power for 30 minutes, then reconnect.</li> <li>6. Contact customer service for replacement.</li> </ol>
The pump runs but does not deliver water.	<ol style="list-style-type: none"> <li>1. Check if the check valve is installed backwards.</li> <li>2. The impeller or volute openings are fully or partially clogged.</li> <li>3. The pump is air-locked.</li> <li>4. The inlet holes in the pump base are clogged.</li> <li>5. The vertical pumping distance is too high.</li> </ol>	<ol style="list-style-type: none"> <li>1. The arrow on the check valve should point in the direction of flow.</li> <li>2. Remove the, pump and clean.</li> <li>3. Start and stop several times by plugging and unplugging the cord. Check for clogged vent hole in the pump case or discharge pipe and/or no vent hole in the pump case or discharge pipe.</li> <li>4. Remove the pump and clean the openings.</li> <li>5. Reduce the distance or change the discharge fittings of the pump.</li> </ol>
The pump runs and pumps out sump, but does not stop.	<ol style="list-style-type: none"> <li>1. The float is stuck in the up position.</li> <li>2. The float switch is defective.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace the pump.</li> <li>2. Reassemble the cover O-ring.</li> </ol>
The pump runs but only delivers a small amount of water.	<ol style="list-style-type: none"> <li>1. The pump is air-locked.</li> <li>2. The vertical pumping distance is too high.</li> <li>3. Inlet holes in the pump base are clogged.</li> <li>4. The impeller or volute openings are fully or partially clogged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Start and stop several times by plugging in and unplugging the cord. Check for a clogged vent hole in the pump case.</li> <li>2. Reduce the distance or change the discharge fitting of the pump.</li> <li>3. Remove the pump and clean the strainer and openings.</li> <li>4. Remove the pump and clean.</li> </ol>
The motor runs for a short time and then stops.	<ol style="list-style-type: none"> <li>1. The inlet holes in the pump base are clogged.</li> <li>2. The pump impeller is partially clogged.</li> <li>3. The impeller or volute openings are fully or partially clogged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove the pump and clean the openings.</li> <li>2. Remove the pump and clean.</li> <li>3. Remove the pump and clean. Also clean the strainer if one is installed.</li> </ol>

**WARNING:**

Do not disassemble the motor housing. This motor has NO repairable internal parts, and disassembling may cause an oil leak or dangerous electrical wiring issues.

**WARRANTY**

PLEASE DO NOT ATTEMPT TO OPEN OR REPAIR THE PUMP YOURSELF. DOING SO  
COULD VOID THE WARRANTY AND CAUSE DAMAGE OR PERSONAL INJURY.

This Mastercraft product carries a three (3) year LIMITED warranty against defects in  
workmanship and materials. This product is not guaranteed against wear or breakage  
due to misuse and/or abuse.

Made in China

Imported by

Mastercraft Canada Toronto, Canada M4S 2B8