



5.5-ASP Cast Iron Submersible Sump Pump

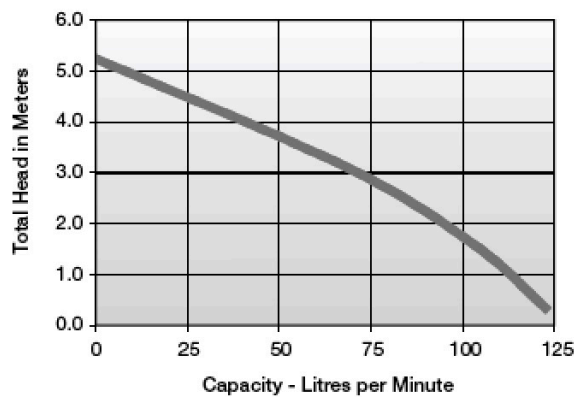
Submersible, water transfer or recirculation, water displays, air conditioning and machine tool coolants



- 1/4 HP shaded pole motor
- Zinc housing, polypropylene volute
- (19 mm garden hose adapter included)
- Integral snap action float switch
- IP 68

Capacity:	123 LPM @31m
Shut Off:	5.21m
On Level:	178-254mm
Off Level:	51-127mm
Discharge:	25mm
Electrical:	230V, 50Hz, 2.8A, 445W
MODEL:	505720

Performance Curves



Little GIANT

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GB INTRODUCTION

Enclosed with your Little Giant pump is an instruction sheet which provides you with information required to safely own and operate your Little Giant pump. The instruction sheet primarily covers the standard models of each pump series. The form is applicable to other models in the series not listed by catalog number in the replacement parts list section of the instruction sheet. If the catalog number of your pump is not listed in the replacement parts list section, then caution should be exercised when ordering replacement parts. Always give the catalog number of your pump when ordering replacement parts.

The Little Giant unit you have purchased is of the highest quality workmanship and material. It has been engineered to give you long and trouble-free service. The Little Giant pumps are carefully packaged, inspected and tested to insure safe operation and delivery. When you receive your pump, examine it carefully to determine that there are no broken or damaged parts that may have occurred during shipment. If damage has occurred, make notation and notify the firm that you purchased the pump from. They will assist you in replacement or repair, if required.

The housing is constructed of durable die cast zinc and polycarbonate material. The housing provides a case for the motor and the special dielectric oil which is used as a heat transfer and lifetime lubricant to the bearings of the motor. Under no circumstances should you open the case to expose the motor or drain the oil. If the case is opened, then the warranty expressed in this pamphlet will be void.

READ INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE OR SERVICE THE LITTLE GIANT PUMP. KNOW THE PUMP APPLICATION, LIMITATIONS, AND POTENTIAL HAZARDS. PROTECT YOURSELF AND OTHERS BY OBSERVING ALL SAFETY INFORMATION. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE! RETAIN INSTRUCTIONS FOR FUTURE REFERENCE.

SAFETY GUIDELINES



1. Make certain that the unit is disconnected from the power source before attempting to service or remove any component.
2. Do not use to pump flammable or explosive fluids such as gasoline, fuel oil, kerosene, etc. Do not use in explosive atmospheres. Pump should only be used with liquids compatible with pump component materials.
3. Do not handle pump with wet hands or when standing on a wet or damp surface or in water.
4. This pump is supplied with a grounding conductor and/or grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected to a properly grounded grounding-type receptacle.
5. In any installation where property damage and/or personal injury might result from an inoperative or leaking pump due to

power outages, discharge line blockage, or any other reason, a backup system(s) and/or alarm should be used.

6. Support pump and piping when assembling and when installed. Failure to do so may cause piping to break, pump to fall, motor bearing failures, etc.
7. If pump is an oil-filled pump, the motor housing is filled with a dielectric lubricant at the factory for optimum motor heat transfer and lifetime lubrication of the bearings. Use of any other lubricant could cause damage and void the warranty. This lubricant is non-toxic; however, if it escapes the motor housing, it should be removed from the surface quickly by placing newspapers or other absorbent material on the water surface to soak it up, so aquatic life is undisturbed.

ELECTRICAL CONNECTIONS



1. Check the pump label for proper voltage required. Do not connect to voltage other than that shown.
2. If pump is supplied with a 3-prong electrical plug, the third prong is to ground the pump to prevent possible electrical shock hazard. **DO NOT REMOVE** the third prong from the plug. A separate branch circuit is recommended. Do not use an extension cord. Do not cut plug from the cord. If the plug is cut or the cord is shortened, then this action will void the warranty.
3. If the cord is equipped with stripped lead wires, such as on 230V models, be sure that the lead wires are connected to a power source correctly. The (green/yellow) wire is the ground. The (blue or white) and the (brown or black) are live.

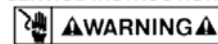
CONSULT INSTRUCTION SHEET ILLUSTRATIONS FOR PROPER ASSEMBLY AND DISASSEMBLY OF YOUR LITTLE GIANT PUMP.

OPERATION



1. Maximum water temperature: 122° F.
2. Connect 1-1/4" pipe directly into pump outlet or install hose adaptor and connect garden hose to adaptor.
3. Place pump in water at least 3/4" deep to begin pumping. Pump should be totally submerged for proper cooling of the motor when pump is operated for extended periods.
4. Pump is equipped with a float operated mechanical switch which will turn on when the water level reaches approximately 8-1/2" and will turn off at approximately 3-1/2". **NOTE:** For continuous duty operation, the water level must be 5" minimum to prevent overheating.
5. Plug power cord into a grounded receptacle with voltage consistent with pump voltage as indicated on pump nameplate.
6. Run water into pump until pump starts. Allow pump to operate through several on-off cycles.
7. Do not let the unit run dry (without liquid). It is designed to be cooled by pumping fluid. You may damage the seal and the motor may fail if the pump is allowed to run dry.
8. If the unit is going to be idle for a period of time, follow the cleaning instructions outlined in the next section. Do not let the unit freeze in the wintertime. This may cause cracking or
9. When using 3/4" garden hose adaptor performance will be reduced approximately 15%. This pump does not deliver enough pressure to operate lawn sprinklers properly.

SERVICE INSTRUCTIONS



MAKE CERTAIN THE UNIT IS DISCONNECTED FROM THE POWER SOURCE BEFORE ATTEMPTING TO SERVICE OR REMOVE ANY COMPONENT!

1. The motor housing of the pump is completely sealed and requires no service. Disassembly of the motor housing or alteration of the power cord voids all warranty.
2. The motor is a continuous duty type sealed in oil with an automatic thermal overload protector device.
3. The pump can run against a restricted discharge such as a fountain without damage to the pump.
4. If the pump becomes clogged, snap the screen off and clean out the area.
5. If necessary, remove the seven (7) screws holding the volute cover to the motor housing and clean the volute.
6. If the impeller is removed, make sure that a spacing of .060" with shaft pushed toward housing is maintained when reassembling.
7. When reassembling, don't forget to install the seal ring between the volute cover and the volute.