

## PCP550 POOL COVER PUMP

### INTRODUCTION

This instruction sheet provides you with the information required to safely own and operate your Little Giant pump. Retain these instructions for future reference.

The Little Giant pump you have purchased is of the highest quality workmanship and material, and has been engineered to give you long and reliable service. Little Giant pumps are carefully tested, inspected, and packaged to ensure safe delivery and operation. Please examine your pump carefully to ensure that no damage occurred during shipment. If damage has occurred, please contact the place of purchase. They will assist you in replacement or repair, if required.

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

### SAFETY GUIDELINES



Your pump is an electrical product and caution should be used when handling the pool cover pump or its electrical cord. Small children or pets may require restraining devices to prevent them from entering wet areas surrounding the pump or its power supply connections.

When installing this electrical equipment, basic safety precautions should always be followed, including the following:

- WARNING:** To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times. This pump should not be used to drain the pool or spa cover if there are people in the water. This pump has been investigated for draining swimming pool or spa covers only.
- WARNING:** Risk of electric shock. Connect only to a grounding type receptacle protected by a ground-fault circuit interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.
- WARNING:** Do not bury cord. Locate cord to minimize contact with lawn mowers, hedge trimmers, and other equipment.
- WARNING:** To reduce the risk of electric shock, replace pump that has a damaged cord immediately.
- WARNING:** To reduce the risk of electric shock, do not use extension cord to connect unit to electric supply; provide a properly-located outlet.
- Never pump chemicals or corrosive liquids with this pump. This could damage the integrity of the enclosure and cause an electrical short. This pump has been evaluated for use with water only.
- Never pump gasoline or other low flash point fluids with this pump. Explosion or fire could result. This pump has been evaluated for use with water only.

8. If service is required, proceed carefully. The pump and surrounding areas may be covered with water. Never plug or unplug the device while standing in wet or damp surfaces. If necessary, remove power at the breaker panel or have certified electrician remove power before attempting to service. Serious or fatal shocks could result if proper procedures are not followed.

- Disconnect the power at the main electrical service box by switching the appropriate circuit breaker or removing fuse. In applications where screw type fuses are used, remove only with one hand while other hand or torso are free from contact with anything. Do not stand in water and do not touch any other conductive surfaces.
- Remove pump cord plug only after the power to the supply outlet has been removed. See Service Instructions before proceeding.

9. Remove pump when conditions will cause water to freeze. Freezing water may result in rupture to pump and could result in possible electrical short.

| PUMP SPECIFICATIONS |      |       |                  |     |     |          |
|---------------------|------|-------|------------------|-----|-----|----------|
| VOLTS               | AMPS | WATTS | GALLONS PER HOUR |     |     | SHUT-OFF |
|                     |      |       | 1'               | 3'  | 5'  |          |
| 115                 | 1.1  | 58    | 500              | 400 | 300 | 8'       |

### INSTALLATION



Do not energize pump (connect to power source) until pump is properly located on pool cover.

Be certain electrical outlet to be used meets the requirements of the National Electrical code, as well as local electrical codes, including grounding and GFCI protection. Also verify that outlet is properly sized and located for this pump. Your installation may require a certified electrician or plumber. See ELECTRICAL section.

If necessary, check your plumbing codes to verify that final installation will be in compliance with their requirements.

- Remove the pump from the carton and install the hose adaptor to the pump discharge.
- Connect a garden hose to the hose adaptor. The free end of the discharge hose must be secured so that it cannot blow back onto the pool cover in high wind.
- Gently lower pump onto the pool cover by holding on to the garden hose. Be certain that you do not pull power cord plug onto pool cover. Use garden hose to position pump on the pool cover. It is recommended that two people position the pump. One person should hold onto electrical cord plug while second person positions pump at desired location on pool cover. Once in position, the pump is ready for testing. See ELECTRICAL section.

**NOTE:** Become familiar with the SAFETY GUIDELINES. During the rainy season, you should check daily to see that your pump is functioning properly. Also, if you experience high winds or excessive movement of the pool cover, be certain that the power supply cord has not been pulled onto the cover and that the pump is still oriented with the discharge hose properly positioned. If you plan to be away from your pool for extended periods of time, it is recommended that a friend or neighbor periodically check your pool cover pump and verify that everything is still functioning properly. Be sure to review the SAFETY GUIDELINES and ELECTRICAL sections with them!

## ELECTRICAL



1. This pump is provided with a three-prong grounding plug. The third prong grounds the pump and reduces the risk of electric shock hazard. Do not remove the third prong from the plug or alter the cord in any way. When pump is in operation, make sure it is properly connected to a grounded outlet. For additional safety, a GFCI device is recommended either at the outlet supplying power to the pump or at the circuit breaker panel box.
2. A separate branch electrical circuit is recommended. The electrical power required is 5 amp at 115 VAC.
3. Be sure that the electrical connection cannot be reached by rising water. Under no circumstances should the connection be located where it may become flooded or submerged by water.

Always disconnect the electrical power before touching the pump, discharge, or electrical plug. Failure to do so can result in serious bodily injury and/or property damage. Always connect pump to grounded receptacle. See SAFETY GUIDELINES.

## OPERATION



**DANGER:** This pump is intended to remove water from your pool cover to help prevent damage, but is not intended to be a life-saving device to prevent drowning in pool cover water. Accumulated water does present a potential drowning hazard and pool owner must take actions to prevent this should the pump fail to operate.

1. This pump can be placed in any orientation.
2. This pump must be operated with its volute intake below the liquid level. The water must be at least 2-1/2" deep for the pump to operate correctly. The pump will lose its prime (draw air and stop pumping) when water depth falls below this level.
3. Do not attempt to restrict the intake side of this pump. Restricting the intake may cause damage to the pump. If you require reduced flow rates, place a valve on the discharge side of the pump or - if flexible vinyl tubing is used - a clamp on the tubing to restrict the flow.
4. Test the pump after installation. Run water into area where pump is to be placed. Do not attempt to run the pump without water; this could cause damage to the pump. Plug pump into GFCI-protected power source and allow the pump to remove water.
5. Monitor the pump's operation and immediately disconnect power when no water is being pumped through the discharge hose. Remove residual water with a mop or squeegee. Do not let the pump operate dry. It is designed to be cooled by pumping fluid. You may damage the pump and the motor may fail if the pump is allowed to run dry.
6. If the pump is going to be idle for a period of time, follow the cleaning instructions outlined in the SERVICE INSTRUCTIONS section. Do not let the pump freeze in the wintertime. This may cause cracking or distortion that may destroy the unit.

## SERVICE INSTRUCTIONS



1. **CAUTION:** Before servicing the pump, disconnect the pump from electrical service, unplug cord, remove fuse or turn off disconnect box.
2. 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.
3. Keep the pump clean and in a well-maintained condition at all times. The pump should be thoroughly cleaned for summer storage. If the pump becomes clogged, remove the intake screen and clean out the debris.
4. To disassemble the pump for cleaning:
  - a) Unthread and remove the intake screen.
  - b) Remove the volute plate by twisting it counter-clockwise.
  - c) Remove the impeller assembly by pulling it straight out.
  - d) Use a brush to clean any corrosion or debris from the impeller, shaft, and impeller cavity.
  - e) Reassemble the parts in reverse order. The pump is now ready for use.

## TROUBLESHOOTING INFORMATION

|  |  |   |
|--|--|---|
| Pump runs but will not discharge liquid. | Lift too high for pump.                | Check pump specifications table.  |
|  | Inlet to impeller plugged.             | Pull pump and clean.  |
|  | Pump is air locked.                    | Shut power off for approximately 1 minute, then restart. Repeat several times to clear air from pump. |
|  | Frozen water in discharge hose.        | Thaw hose or change out.  |
| Pump does not deliver rated capacity.    | Lift too high for pump.                | Check rated pump performance.   |
|  | Low voltage, speed too slow.           | Check for proper supply voltage, ensuring that it corresponds to nameplate voltage.                   |
|  | Impeller or discharge pipe is clogged. | Pull pump and clean. Check pipe for scale or corrosion.   |
| Pump cycles continually.                 | Volute clogged.                        | Clean screen and basket.  |
|  | Motor failure.                         | Replace pump.   |
|  | GFCI activated.                        | Inspect all electrical connections and reset GFCI.  |

**FIGURE 1**



**REPLACEMENT PARTS TABLE**

| ITEM | PART NO. | DESCRIPTION        | QTY. |
|------|----------|--------------------|------|
| 1    | 119007   | Adapter, discharge | 1    |
| 2    | 119008   | Screen, intake     | 1    |

## LIMITED WARRANTY

For warranty consideration, Franklin Electric Company, Inc. (hereafter "the Company") warrants that the products specified in this warranty are free from defects in material or workmanship of the Company. During the time periods and subject to the terms and conditions hereinafter set forth, the Company will repair or replace to the original user or consumer any portion of this product which proves defective due to materials or workmanship of the Company. At all times the Company shall have and possess the sole right and option to determine whether to repair or replace defective equipment, parts, or components. The Company has the option to inspect any product returned under warranty to confirm that the warranty applies before repair or replacement under warranty is approved. This warranty sets forth the Company's sole obligation and purchaser's exclusive remedy for defective product. Return defective product to the place of purchase for warranty consideration.

**WARRANTY PERIOD - PRODUCTS:** 24 months from date of purchase by the user. (No warranty on brushes, impeller or cam on models with brush-type motors and/or flex-vane impellers.) In the absence of suitable proof of the purchase date, the effective period of this warranty will begin on the product's date of manufacture.

**LABOR, ETC. COSTS:** The Company shall IN NO EVENT be responsible or liable for the cost of field labor or other charges incurred by any customer in removing and/or affixing any product, part or component thereof.

**PRODUCT IMPROVEMENTS:** The Company reserves the right to change or improve its products or any portions thereof without being obligated to provide such a change or improvement for units sold and/or shipped prior to such change or improvement.

**GENERAL TERMS AND CONDITIONS:** This warranty shall not apply to damage due to acts of God, normal wear and tear, normal maintenance services and the parts used in connection with such service, lightning or conditions beyond the control of the Company, nor shall it apply to products which, in the sole judgment of the Company, have been subject to negligence, abuse, accident, misapplication, tampering, alteration; nor due to improper installation, operation, maintenance or storage; nor to excess of recommended maximums as set forth in the instructions.

Warranty will be VOID if any of the following conditions are found:

1. Product is used for purposes other than those for which it was designed and manufactured
2. Product not installed in accordance with applicable codes, ordinances, and good trade practices

3. Product connected to voltage other than indicated on nameplate
4. Pump used to circulate anything other than fresh water at approximately room temperature
5. Pump allowed to operate dry (fluid supply cut off)
6. Sealed motor housing opened or product dismantled by customer
7. Cord cut off to a length less than three feet

**DISCLAIMER:** Any oral statements about the product made by the seller, the Company, the representatives, or any other parties do not constitute warranties, shall not be relied upon by the user, and are not part of the contract for sale. Seller's and the Company's only obligation, and buyer's only remedy, shall be the replacement and/or repair by the Company of the product as described above. NEITHER SELLER NOR THE COMPANY SHALL BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS), ARISING OUT OF THE USE OR THE INABILITY TO USE THE PRODUCT, AND THE USER AGREES THAT NO OTHER REMEDY SHALL BE AVAILABLE TO IT. Before using, the user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. **THE WARRANTY AND REMEDY DESCRIBED IN THIS LIMITED WARRANTY IS AN EXCLUSIVE WARRANTY AND REMEDY AND IS IN LIEU OF ANY OTHER WARRANTY OR REMEDY, EXPRESSED OR IMPLIED, WHICH OTHER WARRANTIES AND REMEDIES ARE HEREBY EXPRESSLY EXCLUDED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, TO THE EXTENT EITHER APPLIES TO A PRODUCT SHALL BE LIMITED IN DURATION TO THE PERIODS OF THE EXPRESSED WARRANTIES GIVEN ABOVE.** Some states and countries do not allow the exclusion or limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and country to country.

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For technical assistance, parts, or repair,  
please contact . . . . . 1.888.956.0000

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