

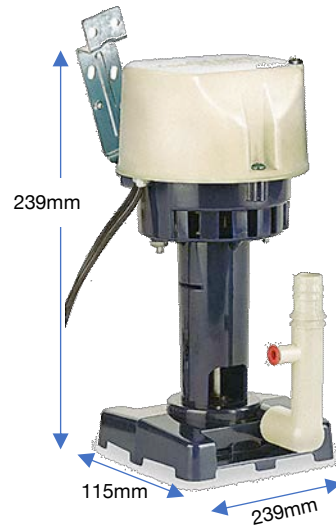


# CP1-230 • CP2-230 • CP3-230

## Evaporative Cooler Pumps

For use in evaporative coolers, displays, laboratories, water transfer and other applications; replacement units for OEM equipment

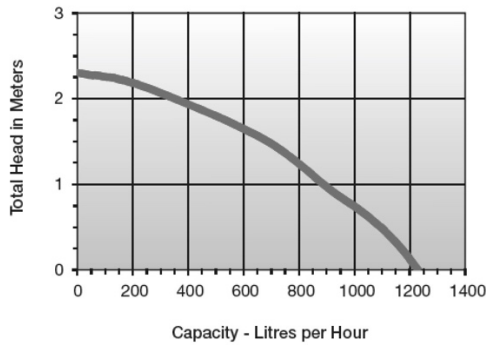
- Heavy duty concentric fan-cooled motor
- Corrosion-resistant, one-piece steel motor shaft
- Moisture-proof windings
- Oversized sleeve bearings with large oil reservoir
- Universal mounting configurations
- 90° barbed elbow with bleed-off
- Discharge elbow fits 12.7 mm, 15.9 mm or 12.7 mm I.D. flexible tubing; and 15.9 mm and 12.7 mm I.D. flexible
- Low pump down and recovery levels
- Flame retardant housing
- Snap-off volute plate for easy cleaning
- Mesh debris screen
- Thermal overload protection
- UR approved



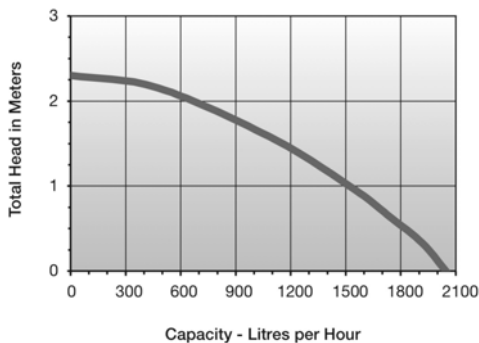
Model	HP	Volts	Capacity	Shut Off	Cord	CFM Rating
CP1-230	1/70	230	1162 LPH @ 0.31 m	2.9 m	1.2 m	5000 - 7500
CP2-230	1/50	230	1900 LPH @ 0.31 m	3.4 m	1.2 m	7500 - 15000
CP3-230	1/30	230	2131 LPH @ 0.31 m	3.7 m	1.2 m	15000 - 21000

All pumps include mounting bracket, low level operation, filter screen, 1.2 m cable.

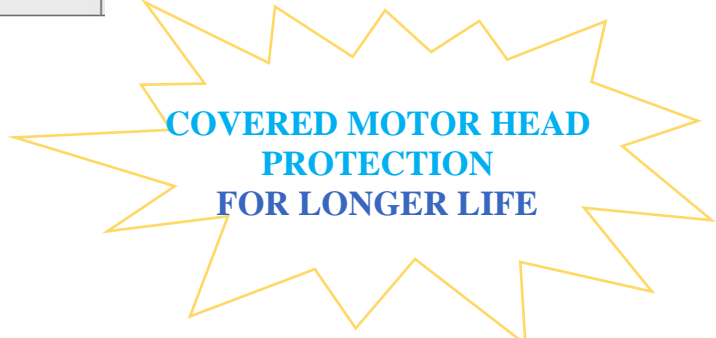
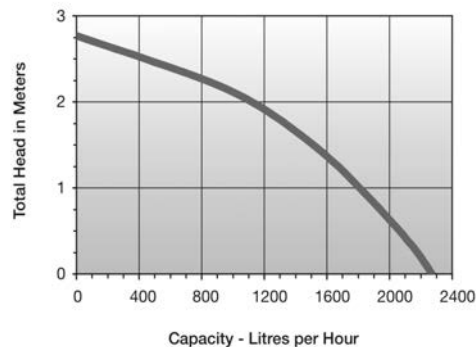
Performance curve CP1 230V, 50Hz LG-EC540015



Performance Curve CP2 230V, 50Hz LG-EC541015



Performance Curve CP3 230V, 50Hz LG-EC542015





## CP1-230 • CP2-230 • CP3-230 Evaporative Cooler Pumps

### Introduction

Little Giant pumps are carefully inspected, tested and packaged to insure safe operation. When you receive your pump, examine it carefully to determine that there are no broken or damaged parts that may have occurred in shipment. If damage has occurred, make notation and notify the firm from which you purchased the pump. They will assist you in the replacement or repair of the pump.

READ INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE OR SERVICE THE LITTLE GIANT PUMP. KNOW THE PUMP APPLICATIONS, 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. 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.
2. DO NOT HANDLE PUMP WITH WET HANDS OR WHEN STANDING ON A WET OR DAMP SURFACE, OR IN WATER.
3. DO NOT PICK UP THE PUMP BY THE POWER CORD.
4. IF THE 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. IF THE PUMP IS SUPPLIED WITH STRIPPED LEAD WIRES, BE SURE THAT THE LEAD WIRES ARE CONNECTED TO THE RATED POWER SOURCE CORRECTLY.
6. IN ANY INSTALLATIONS 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.

### 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 cord. If the plug is cut or the cord is shortened, then this action will void the warranty.

### OPERATION

1. This is NOT a submersible pump. DO NOT allow water or water spray to enter motor housing. Water level should not exceed 3".
2. Pump should be positioned as far from cooler pads or water source as possible to prevent water damage to pump motor.
3. Ensure that pump is sized to match the CFM air flow of the cooler, per below chart:

MODEL	CFM
CP1	5,000–7,500
CP2	7,500–15,000
CP3	15,000–21,000

4. The cooler pump is designed for use with many existing evaporative cooling units. If the supplied standard mounting bracket configurations do not fit the application in the evaporative cooler unit, a piece of metal strap can be attached by removing the single screw located on the top of the cover. The pump must be attached by some means to prevent the pump from falling over and allowing water to enter the motor housing. Observe method of mounting and install replacement in same manner as original pump.



5. Depending upon the pump model, the pump is equipped with an elbow designed for use with 1/2", 5/8", or 3/4" ID tubing or simply 5/8" or 3/4" ID tubing. The elbow incorporates a bleed-off port which is designed to allow a small amount of water to be pumped out of the cooler basin which helps reduce scale build up. The bleed-off port is designed to fit 1/4" OD or 3/8" ID tubing. The pump is shipped with the bleed-off port plugged for applications not requiring this feature.
6. Use a screen or strainer around the pump base to prevent particles or debris from clogging the impeller or discharge line.
7. Route the power supply cord of the pump in same manner as was done in the original installation.
8. The following items are offered as replacement:

## **SERVICE INSTRUCTIONS**

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

1. This unit is permanently lubricated. Oiling is not required.
2. Periodically remove the bottom plate which is pressed onto the pump base. Lightly clean any corrosion or debris which may clog the impeller or pump cavity.
3. Turn the impeller by hand to make sure it turns freely. Set pump down so you are not touching pump and impeller is not touching anything. Plug the unit into GFCI circuit for 10 seconds to see if the impeller turns; a) If it is rotating and GFCI did not trip, un-plug unit and install parts in reverse order in which they were removed. b) If it does not rotate, if pump is tripping circuit breakers, or not operating properly after cleaning, return to Little Giant or it's authorized service center. DO NOT attempt repairs yourself.
4. Be certain power cord is in good condition and contains no nicks or cuts.