



## 2-ABS 'Gravity Fed' Condensate Pump/Drain Pump

For removal of condensation from an air conditioner drain pan or reservoir

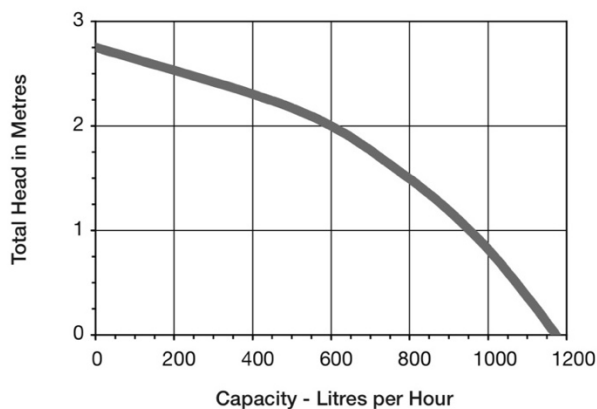
- 1/40 HP oil filled motor
- Epoxy coated cast aluminium housing
- Includes 1.9 litre tank
- Nylon volute
- Stainless steel shaft
- Viton® shaft seal
- Hooded intake
- Advanced mechanical switch
- Thermal overload protection
- Using Pan: Height: 120mm Length: 228mm  
Width: 118mm (Note: Top Electrical wiring -adding 50mm to height)



<b>Capacity:</b>	1136 LPM @ 0.31m
<b>Shut Off:</b>	3.6m
<b>Liquid Temp:</b>	50°C
<b>Discharge:</b>	12.5mm Threaded
<b>Impeller:</b>	Nylon
<b>Electrical:</b>	230V, 50/60Hz, 0.9/0.7 amps, 100 watts
<b>Operation:</b>	Automatic
<b>On Level:</b>	76mm
<b>Off Level:</b>	51mm
<b>MODEL:</b>	<b>551030</b>

**SO VERSATILE...HIGH  
REMOVAL**

Performance Curve 2-ABS 230V, 50Hz CE 551031



# LittleGIANT ABS Series Condensate Removal

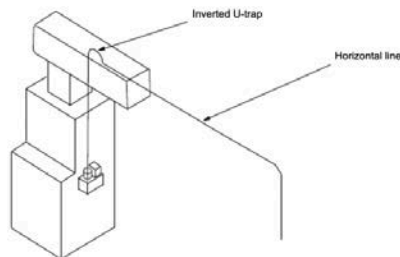
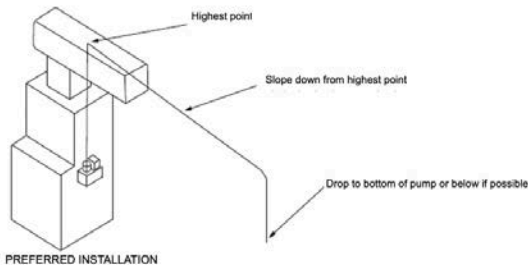
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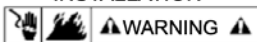
This instruction sheet provides you with the information required to safely own and operate your Little Giant product. Retain these instructions for future reference.

The Little Giant product you have purchased is of the highest quality workmanship and material, and has been engineered to give you long and reliable service. Little Giant products are carefully tested, inspected, and packaged to ensure safe delivery and operation. Please examine your item(s) 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 PRODUCT. KNOW THE PRODUCT'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!**



### INSTALLATION



1. Carefully unpack the pump. A cardboard insert was installed to prevent switch movement during shipment. Remove this insert by carefully pulling it away from the pump. **NOTE:** The pump will not operate with this insert in place.
2. 2-ABS and 3-ABS: Use the two holes in the reservoir to mount the pump in a convenient location. Ensure that the pump is level and that the inlet is below the coil drain.
3. Install a discharge line (flexible tubing or pipe) from the evaporator drain into the pump reservoir, sloping the line downward to allow gravity flow.
4. From the pump, extend the discharge line straight up as high as necessary, but not above the head/GPH of the pump (Figure 1). From this high point, slope the discharge line down slightly to a point above the drain area, then turn the line downward and extend to a point below or approximately level with the bottom of the pump. This will create a siphoning effect, which will improve the efficiency of the pump. If it is not possible to slope the discharge line downward, create an inverted "U" trap directly above the pump at the highest point.

### DESCRIPTION

ABS series condensate removal pumps are designed especially for ceiling-mounted, refrigerated air conditioners (and others) where minimum height is important. The 1-ABS is designed to be placed directly into a holding reservoir, and the 2-ABS/3-ABS use a reservoir supplied by the manufacturer. The pumps are controlled by float/switch mechanisms that automatically turn the pumps on and off.

### SAFETY GUIDELINES



Read these instructions carefully. Failure to follow these instructions voids all warranty, and could result in bodily harm or property damage.

All wiring and plumbing must be permanent, and comply with local, state, and national electrical codes.

Shut off electrical power at the fuse box before servicing the pump.

Disconnect the pump from its power source before attempting to service or remove any component.

Do not use where the water level can exceed the ON level of the pump.

Do not completely submerge the pump.

Do not use to pump flammable or explosive fluids such as gasoline, fuel oil, kerosene, etc. Do not use in explosive atmospheres. Use only with liquids compatible with pump component materials.

Do not handle the pump with wet hands or when standing on a wet or damp surface, or in water.

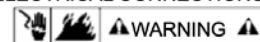
This pump is supplied with a grounding conductor and/or grounding type attachment plug. To reduce the risk of electric shock, connect only to a properly-grounded, grounding-type receptacle.

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, use a backup system(s) and/or alarm.

Support the pump and its piping when assembling and when installed. Failure to do so may cause piping to break, pump to fall, motor bearing failures, etc.

This pump's motor housing is filled with a dielectric oil for motor heat transfer and lifetime lubrication of the bearings. This oil is non-toxic. If oil escapes the housing, however, it can be removed quickly by placing newspapers on the water surface to soak up the oil.

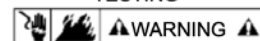
### ELECTRICAL CONNECTIONS



**WARNING:** All wiring must comply with local, state, and national electrical codes.

1. Shut off electrical power at the fuse box before making any connections.
2. Connect the power cord to the line voltage specified on the motor and nameplate. Connect the power cord **ONLY** to a constant source of power (not a fan or other device that runs intermittently). If the power cord does not have a plug, wiring is as follows: green/yellow - ground, brown - line, blue - neutral.

### TESTING



1. Connect the pump to power.
2. Fill the reservoir with water and verify that the pump turns on. Check the lines for leaks and kinks that will prevent full water disposal.  
If no water is available for testing, remove the switch screen, insert the differentiator top into the switch housing bottom, and verify that the pump comes on.