

Specifications

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|------------------|-------------------------------|
| Pump | 120V/60Hz, .09Amps, 3600 Rpm |
| Gallons per Hour | 66 |
| Outlet | 5/16" Dia x 7/16" Hose Nipple |
| Lift Capacity | 16" |
| Dimensions | 2-3/8"L x 1-9/16"W x 2-5/16"H |
| Cord | 6Ft., 18 Gauge, 3-Prong |



Save This Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

Safety Warnings and Precautions

WARNING: When using pump, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this product!

1. **Avoid working alone.** If an accident happens, an assistant can bring help.
2. **Avoid electrical shock.** Prevent body contact with grounded surfaces such as pipes, radiators, ranges, and cabinet enclosures when testing voltages.
3. **Keep work area clean.** Cluttered areas invite injuries.
4. **Observe work area conditions.** Keep work area well lighted.
5. **Keep children away.** Children must never be allowed in the work area. Do not let them handle Pump or extension cords.
6. **Store idle equipment.** When not in use, Pump must be stored in a dry location to inhibit damage. Always lock up Pump and keep out of reach of children.
7. **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically nonconductive clothes and nonskid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
8. **Use eye and ear protection.** Always wear ANSI approved impact safety goggles.

9. **Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across electrical cables.
10. **Maintain Pump with care.** Inspect tool cords periodically and, if damaged, have them repaired by an authorized technician.
11. **Use the right Pump for the job.** Do not attempt to force a small Pump or attachment to the work of a larger industrial Pump. There are certain applications for which this Pump was designed. Do not modify this Pump and do not use this Pump for a purpose for which it was not intended.
12. **Stay alert.** Watch what you are doing, use common sense. Do not operate any Pump when you are tired.
13. **Check for damaged parts.** Before using any Pump, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts; any broken parts or mounting fixtures; and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician. Do not use the Pump if any switch does not turn On and Off properly.
14. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this Pump. Approved accessories are available from Harbor Freight Tools.
15. **Do not operate Pump if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the Pump.
16. **Use proper size and type extension cord.** If an extension cord is required it must be of the proper size and type to supply the correct current to the Pump without heating up. Otherwise, the extension cord could melt and catch fire, or cause electrical damage to the Pump. This Pump requires use of an extension cord of to 10 amps capability (up to 50 feet), with wire size rated at 18 AWG. Longer extension cords require larger size wire. If you are using the Pump outdoors, use an extension cord rated for outdoor use. (Signified by "WA" on the jacket).
17. **Maintenance.** For your safety, maintenance should be performed regularly by a qualified technician.

Note: Performance of this Pump (if powered by line voltage) may vary depending on variations in local line voltage. Extension cord usage may also affect Pump performance.

Warning! Do not use in or around a swimming pool.

Warning! This pump is intended for use in clear water fountains only.

Warning: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Unpacking

When unpacking, check to make sure the parts listed on page 6 are included. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual.

Operation

Note: The National Electric Code requires that a ground fault interruptor (GFCI) be used in the circuit supplying power to this Pump. Consult an electrician for installation.

Note: This Pump is designed to be used in fountains no larger than 5 feet in diameter.

Note: For proper cooling, only operate Pump completely submerged. Maximum submerged depth is 3 feet.

Warning! Do not let this pump ever run dry.

Warning! Do not use this pump with hot water. Operate in fresh, clean water only.

Warning! Always disconnect Pump from power outlet before putting your hands in the fountain water or handling the Pump.

Warning! Do not use Pump if the cord is damaged.

1. Place the **Connector Tube (G)** well below the top level of the fresh water to be Pumped
2. Set the Pump on a level spot in the fountain. The **Suction Capc (H)** must be in contact with the fountain floor. Make sure Pump is adequately supported. If you use an additional hose and in-line filter (not included), do not use it or the **Connector Tube (G)** to support the pump.
3. Make sure the Pump is fully submerged. Adjust the flow rate by shifting the **Regulator(E)**. Making sure the pump is **not** plugged in, turn the grey switch on the front of the pump to the on position. Remove your hands from the water and the pump. Plug in pump to begin operation.

Operation (continued)

If the Pump fails to properly function unplug it from the power source and:

1. Check that it is properly connected and turned on.
2. Check that there is sufficient water in the reservoir.
3. Make sure the **Regulator (E)** is not turned all the way down.
4. Make sure **Connector Tube (G)** is fully submerged. If the intake screen is on the floor of a fountain where some dirt has accumulated, raise it up an inch or so off the floor.
5. If you are using a filter (not included) make sure it is unclogged.
6. Make sure you haven't exceeded the 3 foot maximum suction depth.
7. If the liquid is not clear, add a filter.

If the pump sounds abnormal, unplug it, turn it off, and check the **Impeller (A)** assembly by:

1. Remove the **Front Cover (C)** and the **Plate (D)**.
2. Gently pull out the **Impeller (A)** assembly from the pump body.
3. Rinse the **Impeller (A)** assembly with clean water and an old toothbrush to remove any debris. If you find the part broken or damaged, consult Harbor Freight Tools for replacement parts.
4. Re- assemble by reversing the steps above.

Maintenance

Warning! Always unplug from power outlet before attempting any maintenance.

The motor is sealed and lubricated and does not require maintenance.

1. Regularly clean the **Impeller (A)** assembly by following the instructions above.
2. Check the **Connector Tube (G)** for obstructions.
3. If the Cord is damaged it cannot be repaired, it must be replaced.

Note: To add to the pumps life, make sure the cord loops below the electrical outlet to keep water from running down the cord to the outlet.

Parts List

| Part No. | Description |
|----------|----------------|
| A | Impeller |
| B | Main Body |
| C | Front Cover |
| D | Plate |
| E | Regulator |
| F | Back Cover |
| G | Connector Tube |
| H | Suction Caps |

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

NOTE: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

Assembly Drawing

