



Owner's Manual

High Capacity Transfer

Utility Pump



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Before you start

A pump is an electrical device designed to operate in inherently wet environments.

ALWAYS USE EXTREME CAUTION when installing or maintaining this product!

Need Help: Call 1-877-326-3561 for assistance;
Do Not Return to Store

GENERAL SAFETY

Important Safety Instructions
Carefully read and follow all safety instructions in this manual and on pump.
SAVE THESE INSTRUCTIONS – This manual contains important instructions that should be followed during installation, operation, and maintenance of the product. Save this manual for future reference.

Safety Labels

⚠ This is the safety alert symbol. When you see this symbol on your pump or in this manual, look for one of the following signal words and be alert to the potential for personal injury!

⚠ DANGER Indicates a hazard which, if not avoided, will result in death or serious injury.

⚠ WARNING Indicates a hazard which, if not avoided, could result in death or serious injury.

⚠ CAUTION Indicates a hazard which, if not avoided, could result in minor or moderate injury.

NOTICE indicates practices not related to personal injury.

Keep safety labels in good condition. Replace missing or damaged safety labels.

For parts or assistance, call ECO-FLO Customer Service at 1-877 326-3561

General Safety
⚠ CAUTION Risk of burns. Do not touch an operating motor. Motors are designed to operate at high temperatures. To avoid burns when servicing pump, allow it to cool for 20 minutes after shut-down before handling.

Do not allow pump or any system component to freeze. To do so will void warranty.

Pump water only with this pump.

Periodically inspect pump and system components.

Wear safety glasses at all times when working on pumps.

⚠ WARNING Risk of explosion. Pump body may explode if used as a booster pump.

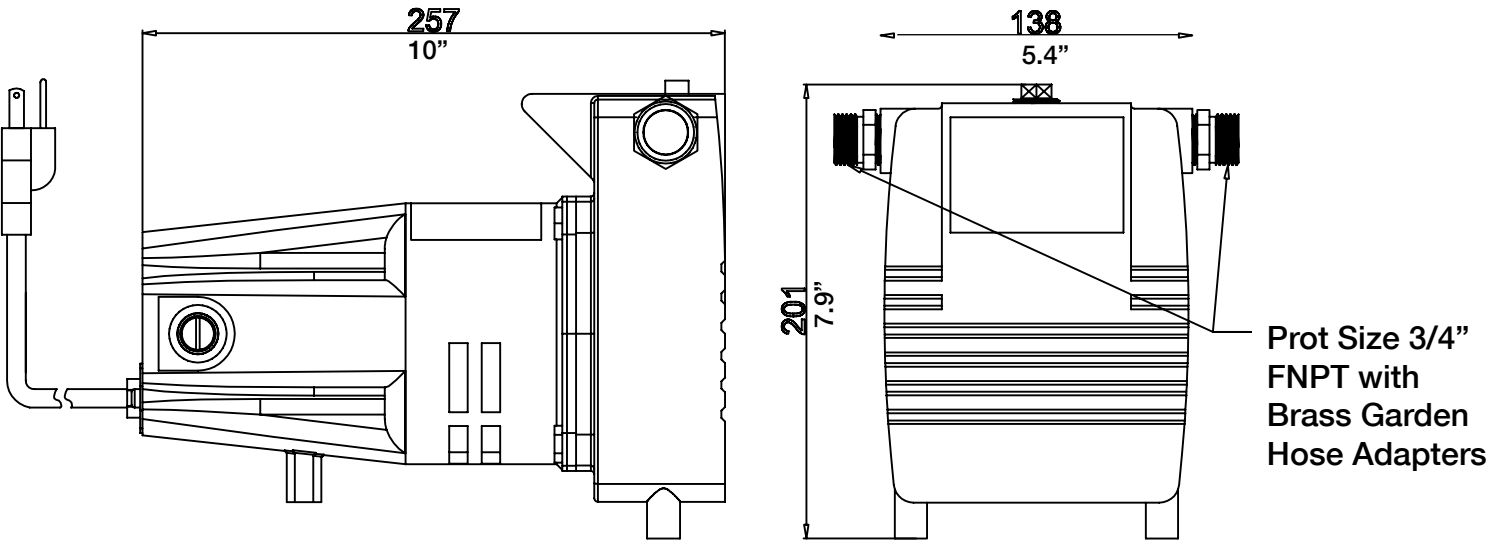
APPLICATIONS

For water transfer jobs when pumping water from pools, spas, lakes or ponds

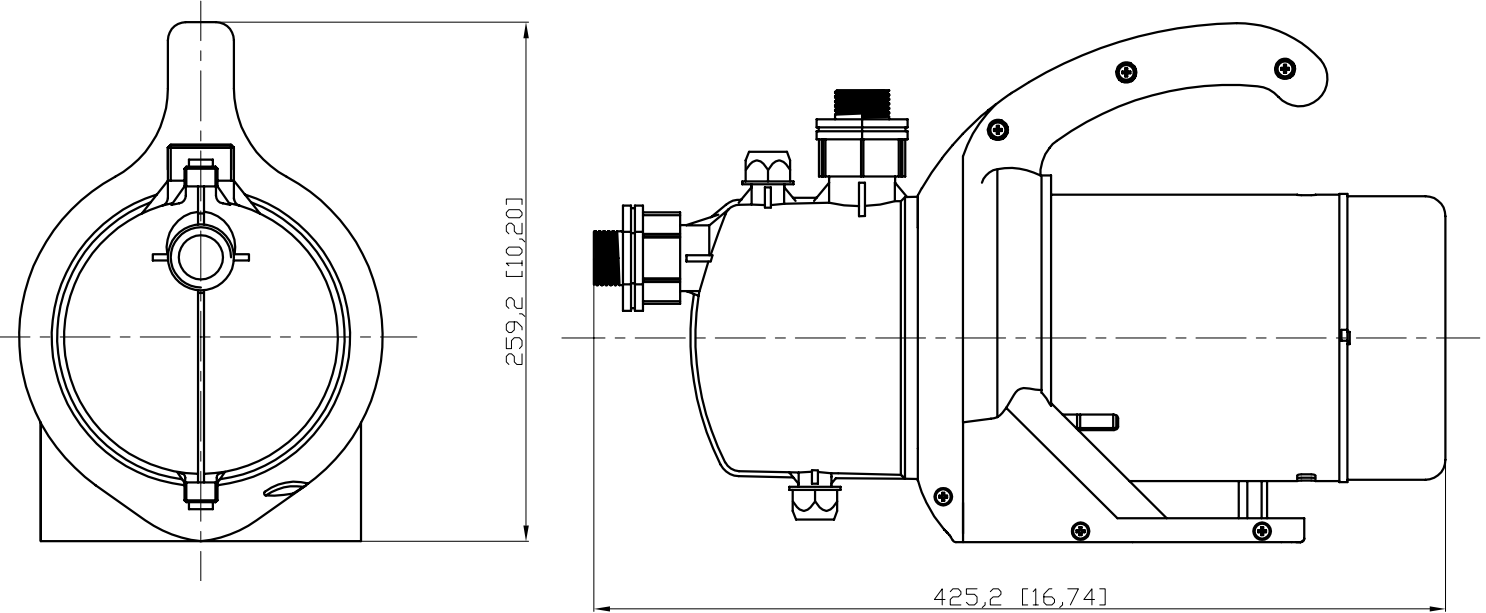
SPECIFICATIONS & PERFORMANCE

Model	HP	Volt	Ph	Amps	Capacity (GPH at 0')	Max Head	Construction	Impeller	Cord Length	Solids Pumped
PUP57	1/2	115	1	8.0	1500	101'	Cast Iron	Thermoplastic	10'	-
PUP60	1/2	115	1	6.5	618	134	Thermoplastic	Thermoplastic	10'	-

PUP57



PUP60



INSTALLATION

Do not work on pump until power is unplugged.
Do not cut off ground pin or use an adapter fitting.
Do not use an extension cord.

The pump power cord should be connected to a separately fused, grounded line with a minimum capacity of 15 amps.

- 1. Before installing or servicing this pump, be certain pump source is disconnected.
- 2. Installation and electrical wiring must adhere to state and local codes and must be completed before priming pump. Check appropriate community agencies, or contact local electrical and pump professionals.
- 3. Call an electrician when in doubt. Pump should be connected to a separate 15 amp circuit breaker or 15 amp fuse block.
Note that plugging into existing outlets may cause low voltage at motor. This could cause blown fuses, tripping of motor overload or burned out motor.
- 4. For maximum safety, connect pump to a circuit equipped with a fault interrupter device when positioning the pump's grounding wire.
- 5. Voltage of power supply must match the voltage of the pump.
- 6. Before installing pump, clear of any water, debris or sediment.
- 7. The following may cause severe damage to pump and will void the warranty.
 - (a) Using an extension cord.
 - (b) Cutting off the ground pin or using an adapter fitting.
 - (c) Working on pump or switch while plugged in.
 - (d) Removing motor housing, unscrewing impeller, or otherwise removing impeller seal.
 - (e) Running the pump continuously.
 - (f) Pumping chemicals or corrosive liquids, other than motor oil.
 - (g) Pumping gasoline or other flammable liquids

- (h) All piping must be clean and free of all foreign matter to prevent clogging.
- (i) Pump will be inadequate if suspension liquids contain solid particles larger than 1/4"

ELECTRICAL WIRE CONNECTION

⚠WARNING Verify that the voltage and frequency of the pump shown on the nameplate corresponds to those available on the mains. The installer must make sure that the electric system is grounded in accordance with code.

- For outdoor use it is necessary to use cable with a length of at least 8'. The plug and connection should be protected from water splashes. Before using the pump, always inspect it visually (especially power cable and plug)
- Do not use pump if it is damaged
- If the pump is damaged, have it inspected by an authorized service center.
- Make sure that electric connections are protected from flooding. Protect the plug and the power cable from heat or sharp edges.

⚠WARNING The power cable must be replaced by qualified personnel only. Grounding: The plug of the power cable has a double grounding contact, so that grounding can be performed by simply inserting the plug.

OVERLOAD PROTECTION

This pump series has a built in thermal protection switch. The pump stops if an overload condition occurs. The motor restarts automatically after it has cooled down.

TROUBLESHOOTING CHECKLIST (Caution: shut off power to pump)

PROBLEMS	POSSIBLE CAUSES/SOLUTIONS
PUMP DOES NOT RUN AND MAKES HUMMING SOUND	• Line circuit breaker is off, or fuse is blown or loose • Pump cord is not making contact in receptacle. • If all of the above are OK, then the motor could be malfunctioning.
PUMP RUNS BUT DOES NOT DELIVER WATER	• Impeller or volute openings are fully or partially clogged. Remove pump and clean. • Pump is air-locked. Start and stop several times by plugging and unplugging cord. Check for clogged vent hole in pump case. • Inlet holes in pump base are clogged. Remove pump and clean the openings. • Vertical pumping distance is too high. Reduce distance or change the discharge fittings of the pump.
PUMP RUNS BUT ONLY DELIVERS A SMALL AMOUNT OF WATER	• Pump is air-locked. Start and stop several times by plugging in and unplugging cord. • Vertical pumping distance is too high. Reduce distance or change the discharge fitting of the pump. Remove pump and clean the strainer and openings. • Impeller or volute openings are fully or partially clogged. Remove pump and clean. • Pump impeller is partially clogged with tar or paint, causing motor to run slow and overload. Remove pump and clean.
FUSE BLOWS OR CIRCUIT BREAKER TRIPS WHEN PUMP STARTS	• Pump impeller is partially clogged causing motor to run slow and overload. Remove pump and clean. • Motor stator may be defective. • Fuse size or circuit breaker may be too small. (must be 15 amps). • Impeller or volute opening are fully or partially clogged. Remove pump and clean .
MOTOR RUNS FOR A SHORT TIME, THEN STOPS	• Inlet holes in pump base are clogged. Remove pump and clean the openings. • Pump impeller is partially clogged causing motor to run slow and overload. Remove pump and clean. • Motor stator may be defective. • Impeller or volute openings are fully or partially clogged. Remove pump and clean. Also clean the strainer if one is installed.

ELECTRICAL PRECAUTIONS

⚠WARNING Before servicing a pump, always shut off the main power breaker and then unplug the pump. Make sure you are not standing in water and are wearing insulated protective sole shoes, under flooded conditions. Contact your local electric company or a qualified licensed electrician for disconnecting electrical service prior to pump removal

WARRANTY

Retain Original Purchase Receipt for Warranty Eligibility

Limited Warranty

Manufacturer warrants to the original consumer purchaser ("Purchaser" or "You") that its products are free from defects in material and workmanship for a period of twenty-four (24) months from the date of the original consumer purchase. If, within twenty-four (24) months from the original consumer purchase, any such product shall prove to be defective, it shall be repaired or replaced at manufacturer's option, subject to the terms and conditions set forth herein. Note that this limited warranty applies to manufacturing defects only and not to ordinary wear and tear. All mechanical devices need periodic parts and service to perform well. This limited warranty does not cover repair when normal use has exhausted the life of a part or the equipment.

The original purchase receipt and product warranty information label are required to determine warranty eligibility. Eligibility is based on purchase date or original product – not the date of replacement under warranty. The warranty is limited to repair or replacement of original purchased product only, not replacement product (i.e. one warranty replacement allowed per purchase).

Purchaser pays all removal, installation, labor, shipping, and incidental charges.

Claims made under this warranty shall be made by returning the product to the retail outlet where it was purchased or to the factory immediately after the discovery or any alleged defect. Manufacturer will subsequently take corrective action as promptly as reasonably possible. No requests for service will be accepted if received more than 30 days after the warranty expires. Warranty is not transferable and does not apply to products used in commercial/rental applications.

General Terms and Conditions; Limitations of Remedies

You must pay all labor and shipping charges necessary to replace product covered by this warranty. This warranty does not apply to the following: (1) acts of God; (2) products which, in manufacturer's sole judgment, have been subject to negligence, abuse, accident, misapplication, tampering, or alteration; (3) failures due to improper installation, operation, maintenance or storage; (4) atypical or unapproved application, use or service; (5) failures caused by corrosion, rust or other foreign materials in the system, or operation at pressures in excess of recommended maximums.

This warranty sets forth manufacturer's sole obligation and purchaser's exclusive remedy for defective products.

MANUFACTURER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, OR CONTINGENT DAMAGES WHATSOEVER. THE FOREGOING LIMITED WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE FOREGOING LIMITED WARRANTIES SHALL NOT EXTEND BEYOND THE DURATION PROVIDED HEREIN.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions 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.



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