



Model 18510-000X

“CENTRI PUPPY”

*Bronze Centrifugal DC Motor/Pump Unit
 With Lip Seal*

FEATURES

Body & Impellor	Bronze
Seal	Lip type, Viton®
Port Size	3/4" NPT Internal
Motor	Permanent Magnet, Fully Enclosed Ignition Protected
Shaft	Stainless Steel
Weight	5 lb, (2,3 kg) approx.

Motor meets USCG Electrical Standards (Title 33, Chapter I, Part 183; Subpart I) for IGNITION PROTECTION on gasoline powered vessels.

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Model 18510-000X

	<p>WARNING Explosion hazard. Do not pump gasoline, solvents, thinners or other flammable liquids. To do so can cause an explosion resulting in injury or death.</p>
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	<p>WARNING Explosion hazard. Do not operate with rivets removed from motor case. Explosion resulting in personal injury, death or property damage can occur. Case openings must be sealed to avoid explosion and maintain ignition protected rating.</p>
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VARIATION AVAILABLE

Model	Description
18510-0000	12Vdc
18510-0001	24Vdc

PERFORMANCE (Nominal 12 Vdc System)

Amps	Ft. of Water	GPM
8	2	20
6.7	6	14.5
5.4	10	7.5
4.5	12.5	Shutoff

APPLICATION

Suited for many general pumping applications where a flooded intake condition exists. This pump is NOT SELF_PRIMING. Typical uses include livewell filling and circulation, deisel fuel transfer (NOT GASOLINE), and other applications not requiring a self-priming pump.

INSTALLATION

The pump must be mounted in a dry location – the motor is not waterproof and must not be submerged. The unit can be mounted in any desired position. It is best to mount so that water dripping from loose port connections will not wet the motor. The pump head may be mounted vertically on a thru-hull and seacock for applications requiring overboard water to be pumped aboard. A seacock must be used between the hull inlet fitting and pump on below-waterline installations.

⚠ WARNING



Explosion hazard. If pump is operated in an area containing flammable vapors, wire leads must be joined by insulated mechanical locking connectors. Loose or inadequate wire connections can spark resulting in an explosion. Property damage, injury or death can occur.

ELECTRICAL CONNECTIONS

Connect black wire to negative (-) terminal of battery. The orange wire should run to a properly sized (see electrical specification) overload protected switch or circuit breaker, with a wire from switch or breaker to a positive (+) terminal of battery. Electrical circuit must be independent of all other accessories. To prolong motor life, install pump so normal motor rotation is clockwise. Use proper wire size as determined by wire table elsewhere on this sheet.

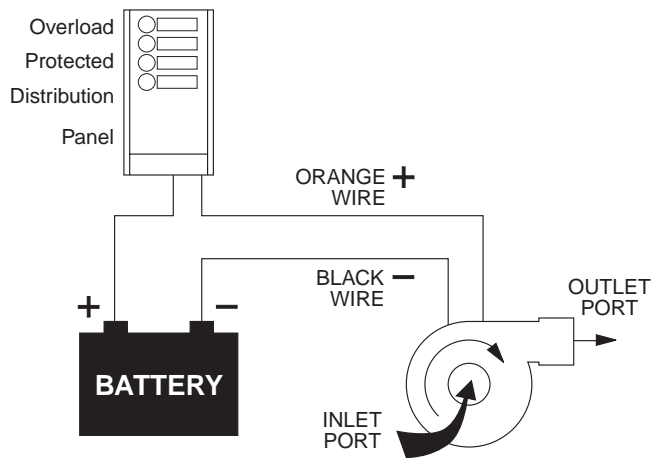
PLUMBING CONNECTIONS

The intake and outlet ports have internal 3/4" pipe threads. Brass or plastic pipe fittings may be used to suit the installation. Plastic fittings that may be subject to cracking due to vibration should not be used below the the waterline. PTFE pipe joint tape or compound should be used if brass fittings are installed in pump. Hose maybe used with common pipe adaptor installed in the pump ports.

MAINTENANCE

Check all electrical connections periodically, particularly in soft water areas. Corrosion can cause loss of performance or nonoperation in extreme cases. The motor should be protected with a corrosion inhibiting spray and any rust should be removed and the motor repainted.

WIRING DIAGRAM



WIRE SIZE TABLE

CONNECTION LENGTH BETWEEN BATTERY AND MOTOR	12V	24V
1-10 ft. (3m)	#12	#16
11-20 ft. (6m)	#10	#16
21-30 ft. (9m)	8	#12

ELECTRICAL SPECIFICATIONS

BETWEEN BATTERY	12V	24V
Amp Draw (Approx.)	8	4
Fuse Size	10	5

OPERATION

The pump may be run dry for short periods of time. Running without liquid allows heat to build up between seal and shaft, thus shortening seal life. The pump can run against a closed outlet such as encountered when using a garden hose type shut-off nozzle. Small particles of trash and debris will pass through the pump, though an intake strainer should be fitted K excessive problems are encountered with pump clogging.

⚠ WARNING



Motor runs hot; about 180° is normal temperature. Prolonged contact during operation can cause a burn.

For technical advice or service please take your pump into your local pump service center.
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