BRONZE CLOSE COUPLED CENTRIFUGAL PUMP

CENTRIFUGAL PUMPS SERIES 172B

FEATURES

- Rugged corrosion resistant bronze construction
- Compact and light
- Mechanical Seals - Type 6A
- Nitrile Standard
- Fluoroelastomer Options
- TEFC Motors with corrosion resistant passivated 316 SS Shafts
- 1/10 HP permanent Magnet 12V, 24V, 32V DC Motors
- Insulated leads
- Rubber base grommets for vibration dampening
- 1/13 HP Permanent Magnet 12V DC Motor
- 172L threaded shaft style
- 1/8 HP Capacitor Start 50/60 HZ, 115V & 220V AC Motors
- Ignition protection
- Thermal overload protection
- Power cord with plug

Ideal for:

- Marine Air Conditioning
- Engine Block Temperature Control
- Radiator and Heat Exchanger Circulation
- Baitwell Circulation

DRIVE

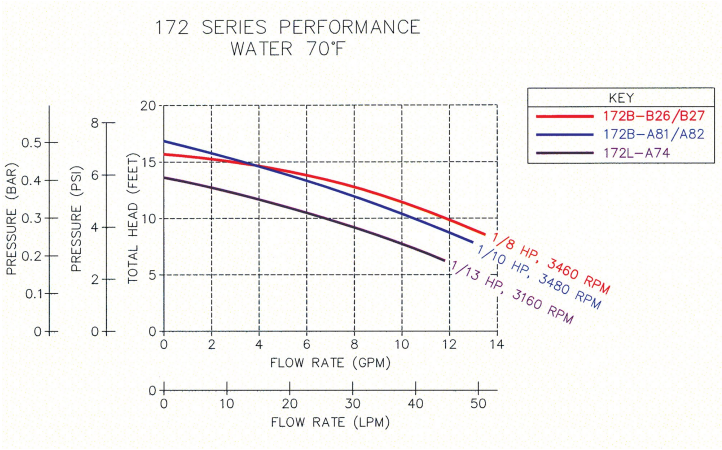
One of the outstanding features of this pump and motor unit is its compact size. Although small, adequate motor power is available. A.C and D.C. motors are available.

LIQUIDS AND TEMPERATURE

This pump is more than capable of pumping water, water solutions, and a wide range of commercial chemicals.

Viscous liquids with a maximum viscosity of 2000 Saybolt Seconds Universal can be pumped. However, when pumping viscous liquids (as compared with water) a reduction in flow and pressure occurs and the required horsepower increases. Liquids heavier than water require additional horsepower in direct proportion to the increase in specific gravity. Questions about the chemical compatibility of special liquids should be referred to the factory. The pump uses a mechanical type shaft seal with a Nitrile rubber element. It is suitable for water, oils, and some mild solvents and is limited to 212o F, fluoroelastomer is available for up to 400o F.

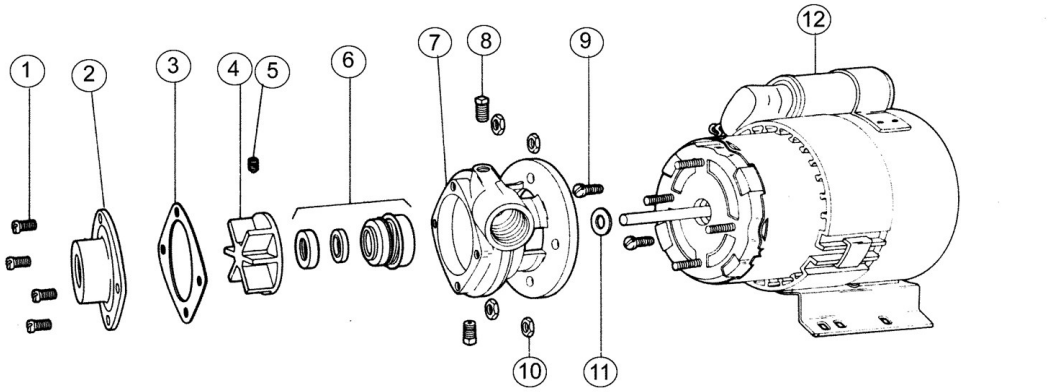
PERFORMANCE



SUCTION LIFT

These pumps are not self-priming. They must be installed below the liquid level so that the liquid flows to the pump by gravity (flooded suction). However, if a foot valve is used in the beginning of the suction line, and all air is bled from the pump by manual priming, the pump will lift on the suction side up to 15 feet. Such a system relies entirely on the non-leaking foot valve for starting capability.

EXPLODED VIEW AND PARTS LIST



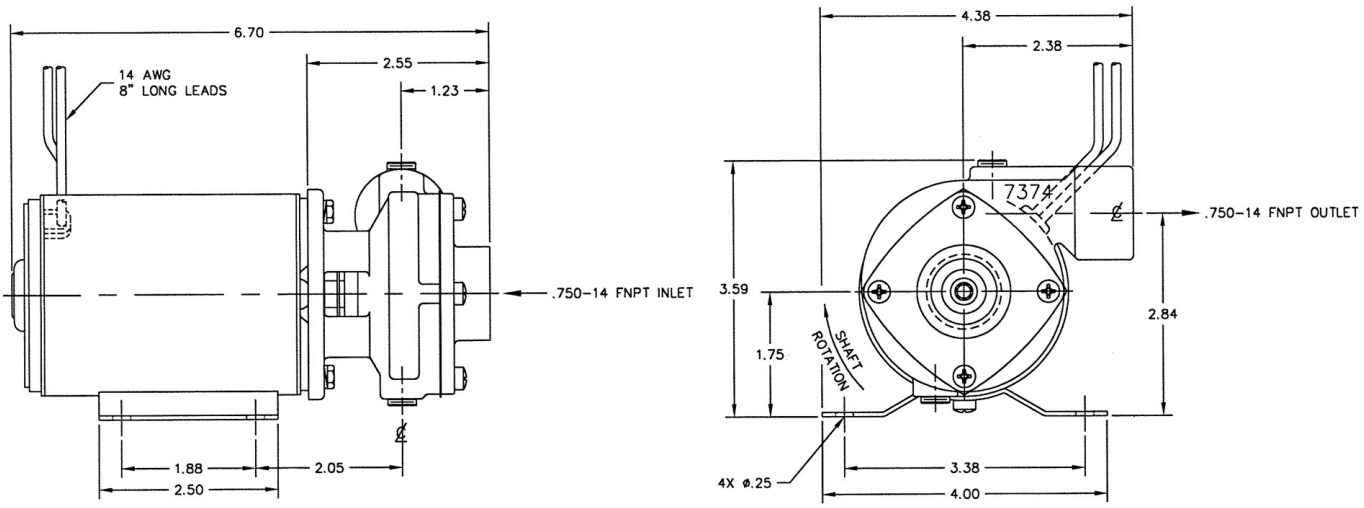
Pump No.	1	2	3[1]	4[1]	5	6[1]	7	8	9	10	11	12	
	Screw	Cover	Gasket	Impeller	Set Screw	Seal Assy.	Body	Plug	Screw	Hex. Nut	Slinger	Motor	Repair Kit[1]
	4 Reqd	1 Reqd	1 Reqd	1 Reqd	1 Reqd	1 Reqd	1 Reqd	2 Reqd	2 Reqd	4 Reqd	1 Reqd	1 Reqd	
172B	5385	7375	7020	7678	6079	32458	7456	5395	7424	7686	6651	---	11071

[1] Repair kit contains items 3, 4 & 6.

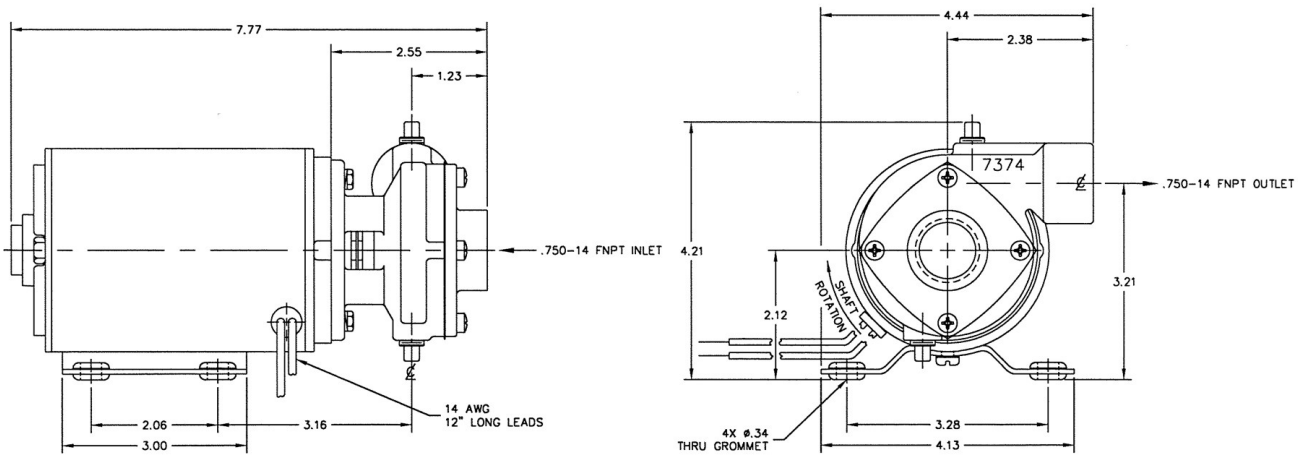
Pump No.	Electric Motor	Part #
172B-A81	1/10 HP, 3700 RPM, 12v, Single Phase, TEFC	9950
172B-A82	1/10 HP, 3700 RPM, 24v, Single Phase, TEFC	9949
172B-A85	1/8 HP, 3700 RPM, 12v DC, TEFC	8101
172B-A86	1/8 HP, 3700 RPM, 24v DC, TEFC	8102
172B-A87	1/8 HP, 3700 RPM, 32v DC, TEFC	8103
172B-B26	1/8 HP, 3450 RPM, 115v, Single Phase, TEFC	8281
172B-B27	1/8 HP, 3450 RPM, 220v, Single Phase, TEFC	8282

DIMENSIONS

DIMENSIONS
172L's WITH A74 MOTOR



DIMENSIONS
172B's WITH A81 OR A82 MOTOR



DIMENSIONS
172B's WITH B26 OR B27 MOTOR