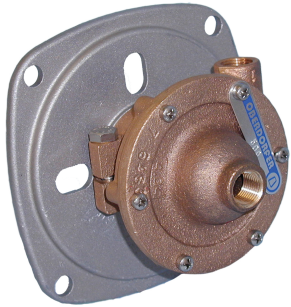


BRONZE CLOSE COUPLED CENTRIFUGAL PUMP

CENTRIFUGAL PUMPS SERIES 500



FEATURES

- All Bronze Pump Castings
- Stainless Steel Motor Shaft
- Mechanical Seal- Nitrile
- Extremely Quiet
- Will handle difficult solvents with proper seals - Fluoroelastomer (S10) or Polytetrafluoroethylene (PTFE) (S11)
- Long Life
- Does Not Require Relief Valves
- Will Handle Contaminated Liquids

DRIVE

This close coupled pump uses a standard NEMA C Flange Jet Pump Motor with weld-on base and threaded shaft end to accept the pump impeller. Single phase motors are non-reversible and are wired for the proper pump rotation which is counter-clockwise looking at the inlet end of the pump. Three phase motors must be checked out for proper rotation when pump is installed. Interchanging of any 2 wires in a 3-phase system will reverse motor rotation.

LIQUIDS AND TEMPERATURE

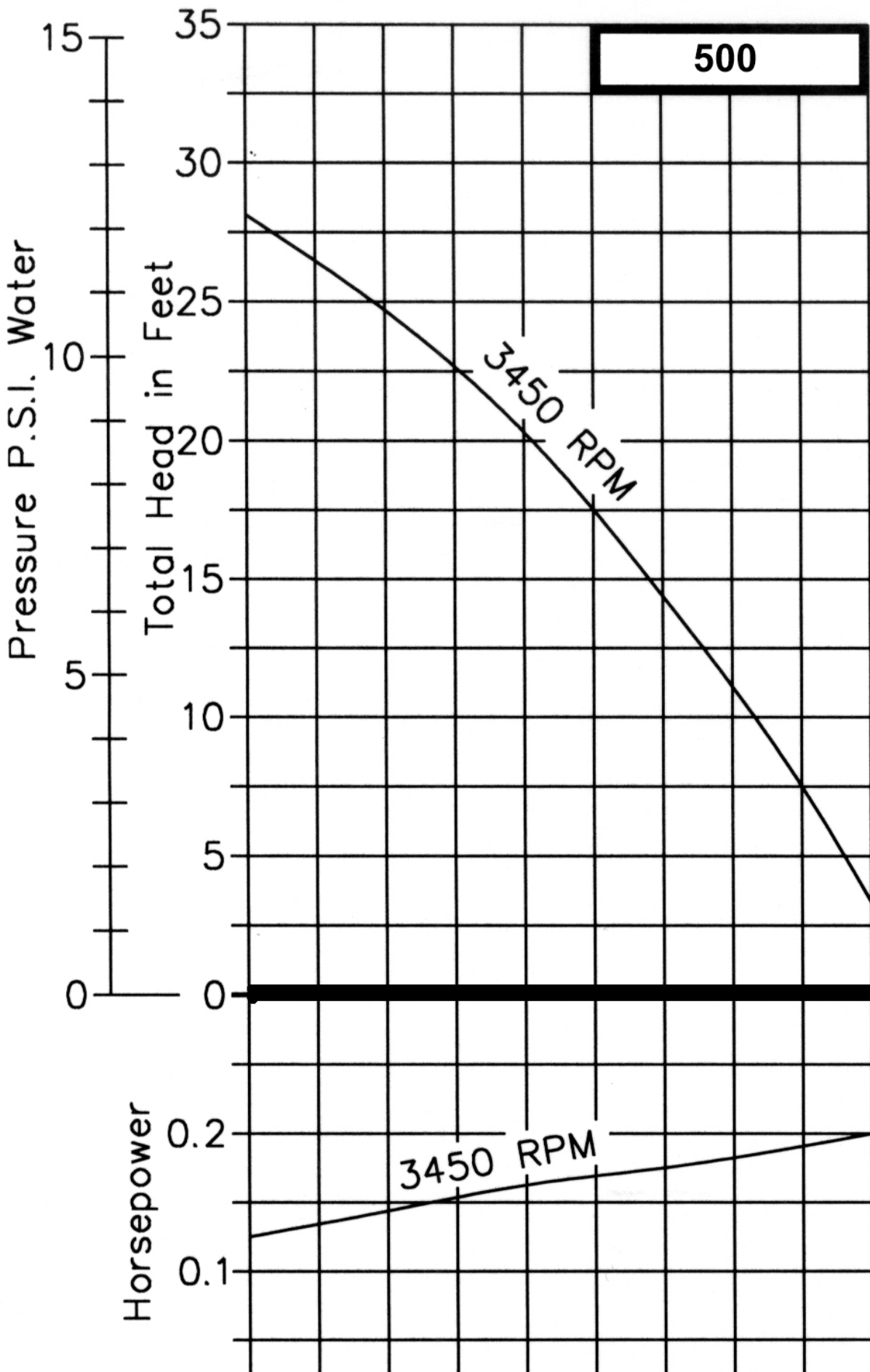
The special pump alloys used provide corrosion resistance to many liquids including water, water solutions, and a wide range of commercial chemicals. Questions as to the chemical compatibility of special liquids should be referred to the factory.

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 rate increases.

Liquids heavier than water require additional horsepower in direct proportion to the increase in specific gravity.

Liquids contaminated with small solids or abrasives can be handled, but a reduction in mechanical seal life must be expected.

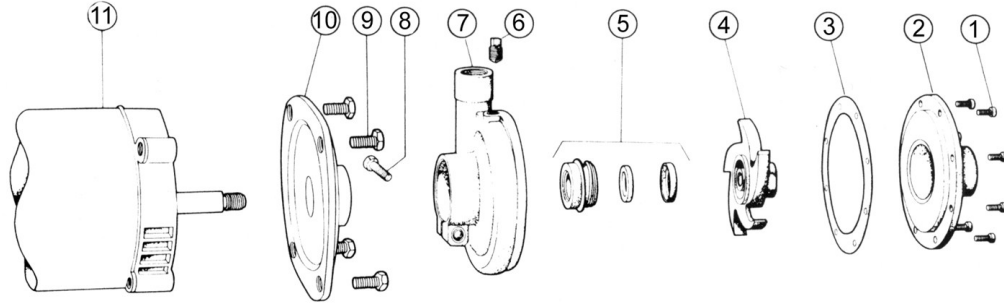
PERFORMANCE



SUCTION LIFT

These centrifugal 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 at 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 a non-leaking foot valve for starting capability.

EXPLODED VIEW AND PARTS LIST



Pump No.	1	2	3 ¹	4 ¹	5 ¹	6	7	8	9	10	11	12 ^{*1}	Repair Kit
	Screw	Cover	Gasket	Impeller	Seal Assy.	Plug	Body	Screw	Screw	Adapter	Motor	Set Screw	
	6 Reqd	1 Reqd	1 Reqd	1 Reqd	1 Reqd	1 Reqd	1 Reqd	1 Reqd	4 Reqd	1 Reqd	1 Reqd	1 Reqd	
500	5385	6483	6502	6476	32154	6052	6475	5595	5411	7611	---	---	10694 (Single Phase)
500P	5385	6483	6502	7351	32154	6052	6475	5595	5411	7611	---	9849	11062 (Three Phase)

¹ Repair kits include items 3, 4, 5 & 12.

* Not shown - Impeller set screw for Three Phase Motors only.

Pump No.	Electric Motor	Motor Shaft	Part #
500-F13	1/3 HP, 3450 RPM, 115 v, single phase, ODP	stainless	5859
500-F20	1/3 HP, 3450 RPM, 115/230 v, single phase, TEFC	stainless	7986
500-F21	1/3 HP, 3450, 115/230 v, single phase, XP	stainless	8214
500-J19	1/2 HP, 3450 RPM, 115/230 v, single phase, ODP	stainless	5860
500-J20	1/2 HP, 3450 RPM, 115/230 v, single phase, TEFC	stainless	7976
500P-F57	1/3 HP, 3450 RPM, 220/440 v, three phase, ODP	stainless	6996
500P-F68	1/3 HP, 2850 RPM, 220/380 v, three phase, TEFC	stainless	8654
500P-J58	1/2 HP, 3450 RPM, 220/440 v, three phase, TEFC	stainless	9214

500 P F65

Basic Pump No. first 3 digits

Motor Code No. last three digits

The letter P for polyphase (3-phase motor version)

DIMENSIONS

