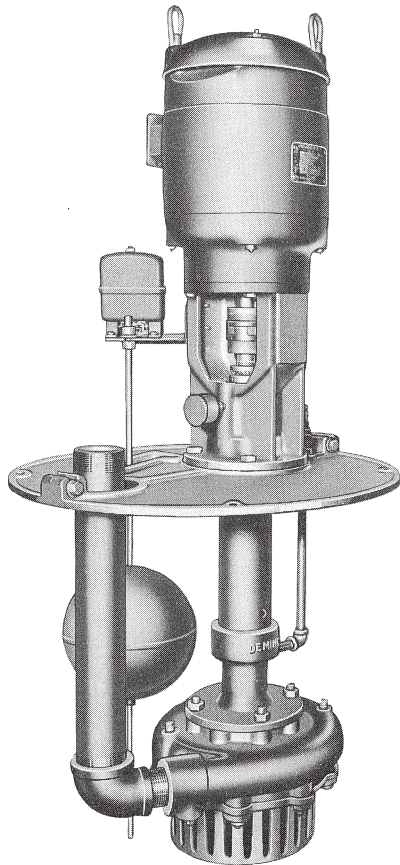


## Medium Sump or Drainage Pumps



**TYPE "A"**

**Fig. 4508 SUMP PUMPS** have been designed to fill the demand for a reliable, yet inexpensive unit, where a big industrial sump pump is larger than needed and a cellar drainer is too small.

Flexible coupling connects motor shaft and pump shaft. Pump shaft is grounded and polished and is supported by a heavy duty ball thrust bearing enclosed in a dust and water tight housing above the support plate. Impeller is semi-open cast iron.

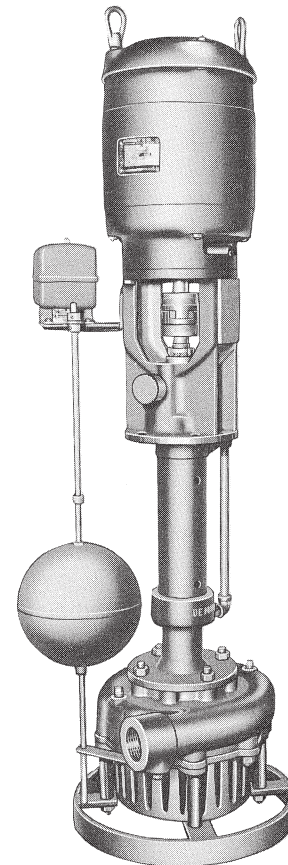
Type A is furnished with a split coverplate, complete with discharge pipe extending through the plate.

Type B can be easily converted to Type A by removing the base ring and adding the split coverplate and discharge piping. 20 or 28 inch cast iron split coverplate is made in half and bolted together to fit bell of an 18 or 24 inch sump.

Motors furnished regularly for 115/230 volts, single phase or 230/460 volts, 3 phase, 60 cycle, 1750 RPM, as required.

The float switch, furnished as regular equipment, will automatically start and stop the unit. Overload relay is provided in drip proof single phase motors through 1 HP only. Protection for other motors must be provided by magnetic across-the-line starter, furnished as optional equipment.

Furnished for sump depths up to 10 feet only. Duplex assemblies include two standard Type A pumps with 40 inch diameter pit cover, manhole and single alternator float control. Starters for overload protection of 3 phase and single phase 1-1/2 and 2HP drip proof motors are optional.



**TYPE "B"**

### TOTAL HEAD IN FEET WITH 1750 RPM, 60 CYCLE MOTORS

Capacity In GPM	Disch. Pipe Size Inches	10		15		20		25		30		35		40		45		50		55		60	
		Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP	Unit No.	HP
10	1½	2J	½	2J	½	2J	½	2J	½	3J	¾	5J	¾	5J	¾	6J	1	6J	1	7J	1½	7J	1½
15	1½	2J	½	2J	½	2J	½	2J	½	3J	¾	5J	¾	5J	¾	6J	1	6J	1	7J	1½	7J	1½
20	1½	2J	½	2J	½	2J	½	2J	½	3J	¾	5J	¾	5J	¾	6J	1	7J	1½	7J	1½	7J	1½
30	1½	2J	½	2J	½	2J	½	2J	½	5J	¾	5J	¾	5J	¾	6J	1	7J	1½	7J	1½	7J	1½
40	1½	2J	½	2J	½	2J	½	5J	¾	5J	¾	5J	¾	6J	1	6J	1	7J	1½	7J	1½	--	--
50	2	2K	½	2K	½	2K	½	5K	¾	6K	1	6K	1	6K	1	7K	1½	7K	1½	7K	1½	--	--
60	2	2K	½	2K	½	3K	¾	6K	1	6K	1	6K	1	7K	1½	7K	1½	7K	1½	--	--	--	--
75	2	2K	½	3K	¾	3K	¾	6K	1	7K	1½	7K	1½	7K	1½	--	--	--	--	--	--	--	--
100	2½	4L	1	4L	1	4L	1	11L	1½	12L	2	12L	2	--	--	--	--	--	--	--	--	--	--
125	3	10N	1	10N	1	11N	1½	11N	1½	12N	2	--	--	--	--	--	--	--	--	--	--	--	--
150	3	10N	1	10N	1	11N	1½	11N	1½	12N	2	--	--	--	--	--	--	--	--	--	--	--	--
175	3	11N	1½	11N	1½	11N	1½	12N	2	12N	2	--	--	--	--	--	--	--	--	--	--	--	--
200	3	11N	1½	11N	1½	12N	2	12N	2	12N	2	--	--	--	--	--	--	--	--	--	--	--	--
225	3	11N	1½	11N	1½	12N	2	12N	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--

When applying totally enclosed or explosion proof motors, it may be necessary to use cut diameter impeller or next larger motor. Refer to performance curves.