



Enriching Lives

Kirloskar 'SP' Series Bare Shaft Non-Clog Pumps

Single Stage, Horizontal, Centrifugal, Self Priming, End Suction Coupled Pump.

Range

Head : 6- 34 metres
 Capacity : 77.5-0.6 litres per second
 Power Rating
 for motor drive : 0.75 kW to 18.7 kW
 (1.0 HP to 25.0 HP)
 for engine drive : 4.0kW to 19.5kW.
 (6.0HP to 26.0HP)

Material of Construction

Standard Supply

Impeller : Cast Iron.
 Delivery Casing : Cast Iron.
 Shaft : Carbon Steel.
 Shaft Sleeve : Bronze.

Optional Supply

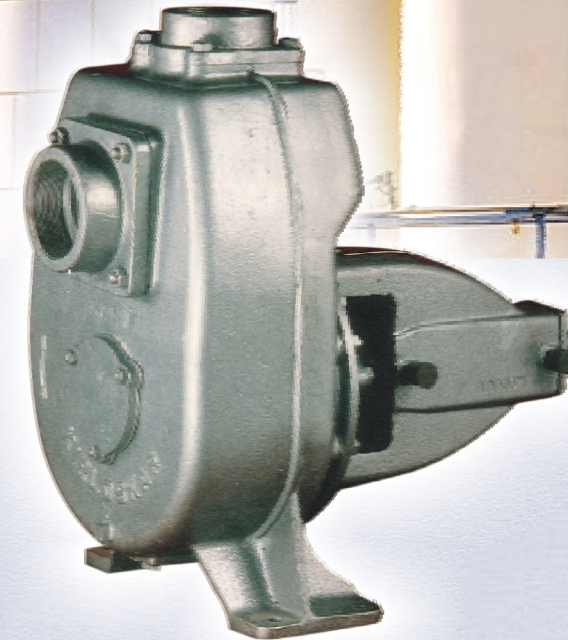
Impeller : Bronze.
 Shaft : Stainless Steel.
 Shaft Sleeve : Chrome Steel.

Direction of Rotation

SP3L+, SP4L+, & SP4LA+ : Clock wise.
 Other models : Anti-clockwise when viewed from suction side.



SP Self Priming Pump



Approximate performance of 'SP' Series, Self Priming, Coupled Pumps, at rated speed :

PUMP MODEL	POWER RATING		PIPE SIZE (mm)	IMPELLER DIA. (mm)	TOTAL HEAD IN METRES																SOLID HANDLING SIZE (mm)	RATED SPEED (RPM)			
	kW	HP			SUC.	DEL.	6	8	10	12	14	15	16	18	19	20	22	24	25	26			28	30	32
Motor Coupled																									
CAPACITY IN LITRES PER SECOND																									
SP 'O'	0.75	1.0	40	40	116	4.6	4.1	3.6	2.7	1.5	0.6												7.0	2760	
SP 1H	1.5	2.0	40	40	134			6.3	5.6	4.9	4.4	4.0	2.8	1.9	0.9								8.5	2900	
SP 2H	2.2	3.0	50	50	145			9.3	8.8	8.1	7.8	7.3	6.5	6.0	5.4	4.1	2.7	1.8	0.8			10.5	2900		
SP 3A	3.7	5.0	80	80	174										10.1	9.3	8.2	7.5	6.8	5.2	3.8	1.8	7.0	2900	
SP 3	5.5	7.5	80	80	174										16.4	16.2	15.5	14.8	14.0	12.5	10.2	8.0	5.5	14.5	2900
SP 3L+	3.7	5.0	80	80	224			18.0	16.4	13.6	11.6	10.0	5.5										15.5	1450	
SP 4LA+	7.5	10.0	100	100	292			36.0	33.9	31.2	30.0	28.6	25.5	23.9	22.5	18.0	12.0						18.5	1450	
SP 4L+	9.3	12.5	100	100	292			41.5	39.5	36.6	35.3	33.6	30.5	28.3	26.2	22.0	17.0	14.0	10.0				23.0	1450	
SP 6LA	15.0	20.0	150	150	296			66.3	63.4	59.8	57.5	55.0	48.8	45.5	42.5	34.2	23.8						34.0	1450	
SP 6L	18.7	25.0	150	150	296			75.0	72.5	68.7	66.2	64.0	58.5	55.5	52.0	45.0	34.0	27.5	20.0				40.0	1450	
Engine Coupled																									
SP3L+	4.0	6.0	80	80	224					17.7	15.6	14.0	12.5	8.5	6.0	3.5							15.5	1500	
SP 3L+	9.0	12.0	80	80	224					22.5	22.0	20.7	19.9	19.0	16.7	13.7	12.0	10.1	6.0				15.5	1800	
SP 4LA+	9.0	12.0	100	100	292					36.3	33.9	32.5	31.2	28.2	26.6	25.0	21.5	17.1	14.5	11.5			18.5	1500	
SP 4L+	10.5	14.0	100	100	292					41.2	39.1	38.0	36.5	33.9	32.0	30.5	26.4	21.5	18.5	16.0	9.9		23.0	1500	
SP 6LA	16.5	22.0	150	150	296					68.0	66.1	63.0	62.0	59.0	53.5	51.7	48.0	41.0	32.8	28.4	22.5		34.0	1500	
SP 6L	19.5	26.0	150	150	296					77.5	75.0	72.0	71.0	68.0	63.0	62.0	57.0	51.0	42.5	38.8	32.5		40.0	1500	

NOTE: Performance applicable to liquid of specific gravity 1 and viscosity as of water.

Features

- Efficiency at par with internationally available pumps.
- Quick automatic self-priming action. Designed for automatic air release during priming.
- Non-clogging impeller to handle suspended solids.
- Repairs possible without disturbing the pipe connection due to back pull out design (except SP'O').
- Portable, when fitted on trolley/trailer.
- Suitable for engine / motor.
- No need for foot value.
- Long life - Due to replaceable wearing parts.
- Dynamically balanced rotating parts ensure minimum vibrations.
- Easy maintenance and spares availability.

Applications

- Marine-Pumping water from docks, ports, vessels.
- Industrial : Petroleum products, chemicals, effluents, sewage, ash-water etc.
- Civil construction : Dewatering foundation, trenches and pits.
- Mobile Machinery : Cooling water for marine engines and shovels.
- public utilities : Sewage pumping.

