



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'0')
- · 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

Direction of Rotation

SP3L+, SP4L+ & SP4LA+: Clock wise

SP4L+ 10.5 14.0 100 100 292 SP6LA 16.5 22.0 150 150 296

Other models: Anti-clockwise when viewed from suction side

Material of Construction

Standard Supply

Impeller : Cast Iron
Delivery Casing : Cast Iron
Shaft : Carbon Steel

Shaft Sleeve : Bronze

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

Range

41.2 39.1 38.0 36.5 33.9 32.0 30.5 26.4 21.5 18.5 16.0 9.9

68.0 66.1 63.0 62.0 59.0 53.5 51.7 48.0 41.0 32.8 28.4 22.5 77.5 75.0 72.0 71.0 68.0 63.0 62.0 57.0 51.0 42.5 38.8 32.5

Head : 6 - 34 metres
Capacity : 77.5 - 0.6 LPS

Power Rating

For Motor Drive : 0.75 kW - 18.7 kW

(1.0 HP - 25.0 HP) For Engine Drive : 4.0 kW - 19.5 kW

(6.0 HP - 26.0 HP)

PUMP MODEL	POW RAT		PII SIZ (m	PE ZE m)	IMPE- LLER DIA.							TOT	AL HI	EAD I	N MI	TRE	S							SOLID	RATEI
	kW	HP	SUC.		(mm)	6	8	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32	34	HAN- DLING SIZE	SPEED
Motor C	Motor Coupled DISCHARGE IN LITRES PER SECOND																SIZE (mm)	(RPM)							
SP '0'	0.75	1.0	40	40	116	4.6	4.1	3.6	2.7	1.5	0.6													7.0	2760
SPIH	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
SP2H	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
SP3A	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
SP3	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
SP3L+	3.7	5.0	80	80	224			18.0	16.4	13.6	11.6	10.0	5.5											15.5	1450
SP4LA+	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
SP4L+	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
SP6LA	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
SP6L	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 (Couple	ed																							
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
SP3L+	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
SP4LA+	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



Features

- · Can withstand wide voltage fluctuations From 180 to 240 Volts for single phase From 300 to 440 Volts for three phase
- . 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
- · Models are with class 'B' insulation and IP- 44 protection. Models in three phase A.C. power supply can be supplied with IP-55 protection on
- · Repairs possible without disturbing the pipe connections due to back pull out design (except SP '0'M)
- · No need for foot valve
- · Long life- Due to replaceable wearing parts
- · Dynamically balanced rotating parts ensure minimum vibrations
- · Easy maintenance and spares availability

Direction of Rotation

SP'0' M. SP 1 HM & SP 2 HM: Anti clockwise

Sp 3LM+: Clockwise when viewed from suction side

Material of Construction

Standard Supply

Impeller : Cast Iron

Motor Body : Cast Iron Shaft : Carbon Steel

Shaft Sleeve · Bronze

Applications

- · Marine: Pumping water from docks, ports, vessels
- · Industrial: Pumping 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

Range

Head : 6 - 24 metres

Capacity : 17.4 - 1.1 LPS

: 0.75 kW - 3.7 kW Power Rating

(1.0 HP - 5.0 HP)

PUMP MODEL		POWER RATING		SIZE im)		RATED VOLTAGE (VOLTS)				SOLID HANDLING SIZE (mm)	RATE SPEED (RPM)							
	kW	HP	SUC	DEL			6	8	10	12	14	16	18	20	22	24		
	DISCHARGE IN LITRES PER SECOND																	
SP'0' M*	0.75	1.0	40	40	6.5	210	4.45	3.95	3.25	2.3	1.5						7.0	2700
SP I HM	1.5	2.0	40	40	3.9	415			5.75	5.13	4.25	3.13	1.5				8.5	2700
SP 2 HM	2.2	3.0	50	50	4.7	415			8.75	8.2	7.48	6.55	5.5	4.3	3.0	1.1	10.5	2800
SP 3LM+	3.7	5.0	80	80	8	400			17.4	15.4	12.5	8.1	3.5				15.5	1420

*SP'O'M is supplied for 210 V single phase A.C. power supply and has mechanical seal arrangement. However, it can also be supplied in three phase A.C. power against the requirement. All other pumpsets are supplied for three phase A.C. power supply and with struffing box arrangement for gland pack or mechanical seal as per the





Features

- . Motor withstands wide voltage fluctuations: Votage range: 200-240 Volts for single phase. 350-440 Volts for three phase
- · Motors are with class 'F' insulation and IP-55 protection
- · Replaceable wearing parts and hence longer life
- · Dynamically balanced rotating parts
- · Quick automatic Self Priming action
- · Grease lubricated deep groove ball bearings
- · Repairs possible without disturbing the pipe connections due to back pull out design (except SP'0')
- * Non-clogging impeller to handle suspended solids
- · No need for foot valve
- · High Efficiency, hence low electricity consumption

Material of Construction

Impeller

: Cast Iron

Delivery Casing Wear Plate

: Cast Iron : Cast Iron

Shaft

: Carbon Steel

Applications

- · Marine: Pumping water from docks, ports, vessels
- · Industrial: Pumping petroleum products, chemicals, effluents, ash-water etc
- · Civil construction: Dewatering foundations, trenches and pits
- · Mobile Machinery: Cooling water for marine engines and shovels
- · Public utilities: Sewage pumping

Range

Head : 6 - 32 metres

Capacity : 75 - 0.8 LPS

Power Rating : 0.75 kW - 18.5 kW (1.0 HP - 25.0 HP)

Approximate performance

PUMP MODEL	POWER RATING		PIPE SIZE IMPELLER DIA. (mm)								T	OTA	L HE	AD	IN M	ETR	ES							SOLID HANDLING SIZE (mm)	
	kW	HP	SUC	DEL		6	8	10	12	14	15	16	17	18	19	20	22	23	24	25	26	28	30	32	
													DIS	SCHAI	RGE I	N LIT	RES P	ER SE	CONI	,					
SP V	0.75	1.0	40	40	116	4.75	4.3	3.8	3.0	1.9	1.2														7.0
SP 1H	1.5	2.0	40	40	134			6.0	5.3	44	4.0	3.5	2.8	1.9	0.9										8.5
SP 2H	2.2	3.0	50	50	145			9.0	8.5	7.8	7.3	6.9	6.5	6.0	5.4	4.8	3.4	2.65	1.8	0.8					10.5
SP 3A	3.7	5.0	80	80	174										9.9	9.6	8.6	3.0	7.3	6.6	5.8	4.3	2.4		7.0
SP 3	5.5	7.5	80	80	174											16.2	15.9	15.5	15.0	14.2	13.4	11.7	9.4	7.1	14.5
SP 3L+	3.7	5.0	80	80	224			17.3	15.4	12.2	10.4	8.4	6.0												15.5
SP 4LA+	7.5	10.0	100	100	292			35.5	33.5	30.8	29.5	28.0	26.5	25.0	23.3	21.7	17.0	14.0							18.5
SP 4L+	9.3	12.5	100	100	292			41.0	39.0	36.0	34.7	33.0	31.5	29.8	27.5	25.5	21.0	18.6	16.0	12.5					23.0
SP 6LA	15.0	20.0	150	150	296			66.3	63.4	59.8	57.5	55.0	52.0	48.8	45.5	42.5	34.2	29.5	23.8						34.0
SP 6L+	18.5	25.00	150	150	296			75.0	72.0	68.0	66.0	64.0	61.0	58.0	55.0	52.0	45.00	40.0	34.0	27.0					34.0

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

SP '0', SP 1H, SP 2H, SP 3A, SP 3 are with 2 pole motor and SP 3L, SP 4LA+, SP 4L, SP 6LA, SP 6L+ are with 4 pole motor.