



Enriching Lives

SP BS SELF PRIMING SEWAGE / DEWATERING PUMPS

FEATURES



Designed to Prevent Overloading



CED Coating



Replaceable Wearing Parts



Dynamically Balanced Rotating Parts

**B/F CLASS
Insulation**



**STRENGTHENED BY
99.9%
PURE EC GRADE
COPPER
WINDING WIRES**

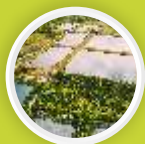
APPLICATIONS



Handling light chemicals, effluents, sewage, ashwater, etc.



Flood / Rain water handling



Draining foundations, trenches and pits



Pumping water from docks, ports, vessels



Draining accumulated water from basements, Road, highways, parking lots, etc.



Cooling water for marine engines, shovels and piling equipment.

**BUY ELECTRIC PUMPS WITH PURE COPPER WINDING WIRES ONLY.
ENQUIRE BEFORE BUYING.**

ALWAYS BUY PUMPS WITH



and



LOGOS ON PACKAGING

SP BS

SELF PRIMING SEWAGE / DEWATERING PUMPS

Applications

- Handling chemicals, effluents, sewage, ash-water
- Flood water handling
- Dewatering from basements, multi-storeys, shopping malls, godowns
- Dewatering foundation, trenches and pits
- Pumping water from docks, ports, vessels
- Cooling water for marine engines and shovels

Features

- **Self Priming**
No need of foot valve and priming pumpset every time for quicker operations.
- **Non Clog Impeller**
Non clog impeller to handle suspended soft solids upto 60 MM in size made it suitable for sewage and dewatering applications.
- **Flatter Efficiency Curve**
Minimum variations in efficiency during entire operating range increases the utility of pumpset for variable conditions.
- **Designed to Prevent Overloading**
Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost saving due to low maintenance and breakdown.
- **Dynamically Balanced Rotating Parts**
Minimum vibration protects the components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.
- **Replaceable Wearing Parts**
All wearing parts within the pumps are easily accessible and replaceable which facilitates ease of maintenance thereby extending the life of the pump.
- **Easy Maintainable Designs**
Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.
- **CED Coated Impeller**
Resistance to corrosion leading to longer life.

Technical Specifications

Head Range	Up to 44 Metres
Discharge Range	Up to 80 LPS
Power Rating	0.75 to 18.7 kW (1 to 25 HP)
Voltage Range	415 ± 10%
Class of Insulation	F Class
Protection	IP55

Material of Construction

Impeller	Cast Iron / Stainless Steel/ Bronze
Delivery Casing	Cast Iron
Motor Body	Cast Iron
Shaft	Carbon Steel / Stainless Steel
Shaft Sleeve	Stainless Steel
Sealing	Gland Packed / Mechanical Seal

PERFORMANCE CHART FOR SP SERIES, SELF PRIMING, BARE /COUPLED SET WITH ENERGY EFFICIENT IE2 MOTORS AT RATED RPM, THREE PHASE A.C. POWER SUPPLY

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	Impeller Dia. (mm)	Solid Handling Size (mm)	Rated Speed (RPM)	TOTAL HEAD IN METRES																	
		kW	HP	SUC.	DEL.					6	8	10	12	14	15	16	17	18	19	20	22	24	25	26			
										DISCHARGE IN LITRES PER SECOND																	
1	SP-0	0.75	1.0	40	40	415	116	7.0	2760	4.6	4.1	3.5	2.6	1.5	0.7	-	-	-	-	-	-	-	-	-	-	-	-
2	SP-1H	1.5	2.0	40	40	415	134	8.5	2900	-	-	6.3	5.6	4.8	4.5	3.9	3.4	2.7	1.9	-	-	-	-	-	-	-	-
3	SP-2H	2.2	3.0	50	50	415	145	10.5	2900	-	-	9.2	8.7	8.1	7.8	7.3	6.9	6.5	6.0	5.4	4.2	2.6	1.8	-	-	-	-
4	SP-3L++	3.7	5.0	80	80	415	224	15.5	1450	-	-	18.0	16.4	13.5	11.5	9.8	7.8	5.5	2.7	-	-	-	-	-	-	-	-
5	SP-4LA+	7.5	10	100	100	415	292	18.5	1450	-	-	36.0	33.6	31.3	30.0	28.5	27.0	25.5	24.0	22.0	18.0	12.0	7.0	-	-	-	-
6	SP-4L+	9.3	12.5	100	100	415	292	23.0	1450	-	-	41.0	39.0	36.5	35.0	33.5	32.0	30.0	28.0	26.1	22.0	16.8	13.7	10.0	-	-	-
7	SP-6LA	15.0	20.0	150	150	415	296	34.0	1450	-	-	66.5	63.4	60.0	57.5	55.0	52.5	49.0	45.0	42.0	34.3	24.0	16.0	-	-	-	-
8	SP-6L	18.7	25.0	150	150	415	296	40.0	1450	-	-	75.0	72.5	68.7	66.2	64.0	61.3	58.5	55.0	52.0	44.5	34.0	27.5	20.0	-	-	-
9	SP-8LA	11.0	15.0	200	200	415	240	60.0	1450	-	80.0	72.0	60.0	32.0	20.0	-	-	-	-	-	-	-	-	-	-	-	-
										20	22	23	24	26	28	30	32	34	36	38	40	42	43	44	44		
10	SP-3A	3.7	5.0	80	80	415	174	7.0	2900	10.1	9.1	8.7	8.0	6.8	5.2	3.7	1.9	-	-	-	-	-	-	-	-	-	-
11	SP-3	5.5	7.5	80	80	415	174	14.5	2900	16.4	16.2	15.9	15.4	14.0	12.4	10.5	8.0	5.5	3.0	-	-	-	-	-	-	-	-
12	SP-3HH	9.3	11.0	80	80	415	194	14.5	2900	-	-	-	19.0	18.6	18.0	17.3	16.5	15.0	12.8	10.6	8.6	6.8	6.0	4.9	-	-	-

Note:

- SP-8LA, SP-3HH Pump is supplied with Bare Shaft Arrangement Only.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

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