



Enriching Lives



Energy Efficient SP Coupled Pumpset with IE4 Motor



Premium Efficiency IE4 Motor

STRENGTHENED BY 99.9% PURE EC GRADE COPPER WINDING WIRES

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

ALWAYS BUY PUMPS WITH



and



LOGOS ON PACKAGING

SP Coupled Pumpset

Energy Efficient Pumpset With IE4 Motor

FEATURES

Premium efficiency

Lower life cycle cost with lower operating cost.

High grade F-Class insulation with Temperature rise limited to B-Class

Robust design to withstand higher temperatures reducing the chances of motor burning and ensures the reliability, safety and enhanced life.

High efficiencies achieved with AC induction motor design

Rugged and most suited to work under varied field conditions. Easy to operate, maintain and service at local levels as there is no use of permanent magnets/added accessories/control equipment.

Higher Specific Discharge (discharge rate per unit power)

Up to 14% less energy consumption for pumping same amount of fluid.

CED Coated Impeller

Resistance to corrosion leading to longer life.

Optimum fan and fan cover design

Designed for optimum cooling with minimum power consumption and quiet operation.

Self-priming

No need of foot valve and priming pump set every time resulting into quicker start up time.

Non-clog Impeller

Non-clog impeller to handle suspended soft solids up to 34 mm in size making it suitable for waste water, sewage and dewatering applications.

Dynamically Balanced Rotating Parts

Minimize vibrations to protect components from damages during the operations, thus ensuring consistent performance and longer life.

TECHNICAL SPECIFICATION

Head Range	-	Upto 36 Metres
Discharge Range	-	Upto 66.5 LPS
Power Rating	-	0.75 to 15 kW (1 to 20 HP)
Voltage range	-	415±10%
Insulation	-	F Class
Protection	-	IP55

MATERIAL OF CONSTRUCTION

Impeller	-	Cast Iron / Stainless Steel / Bronze
Delivery Casing	-	Cast Iron
Motor Body	-	Cast Iron
Pump Shaft	-	Carbon Steel / Stainless Steel
Shaft sleeve	-	Stainless Steel
Sealing	-	Gland Packed / Mechanical Seal with HNBR which can withstand fluid temperature up to 120°C

APPLICATIONS

- Handling light chemicals, effluents, sewage, etc.
- Flood / Rain water handling
- Draining foundations, trenches and pits
- Pumping water from docks, ports, vessels
- Draining accumulated water from Basements, Highways, Parking lots, etc.
- Cooling water for marine engines, shovels and piling equipment.

PERFORMANCE CHART FOR 'SP SERIES', SELF PRIMING COUPLED SET WITH ENERGY EFFICIENT IE4 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	-	-	-	-
										20	22	23	24	26	28	30	32	34	36	38	40	42	43	44	-	-	-
8	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	-	-	-	-	-	-	-	-	-	-
9	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	-	-	-	-	-	-	-	-

Note:

Performance under standard test conditions and may vary on site conditions.
Performance applicable to liquid of specific gravity 1 and viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

Established 1888

A Kirloskar Group Company



We are now on WhatsApp to assist you better

9922710710

Toll Free Number: 1800 123 4443

www.kirloskarpumps.com

Registered Office & Global Headquarters: "Yamuna", Survey No. 98/(3 to7), Plot No. 3, Baner, Pune - 411 045, Maharashtra, India

Email: marketing@kbl.co.in, Website: www.kirloskarpumps.com CIN No.: L29113PN1920PLC000670