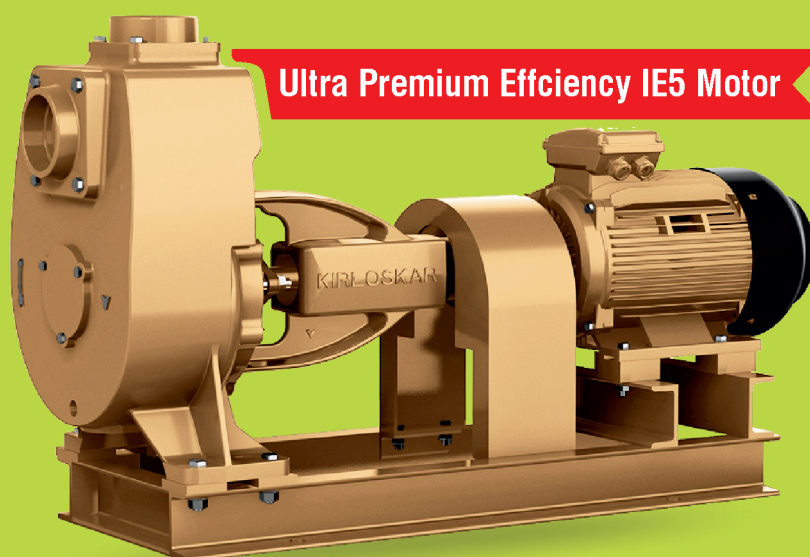




Enriching Lives



**Energy
Efficient
SP Coupled
Pumpset with
IE5 Motor**



Ultra Premium Efficiency IE5 Motor

ALWAYS BUY PUMPS WITH



Enriching Lives

and



LOGOS ON PACKING

SP Coupled Pumpset

Ultra Premium Efficiency IE5 Motor

TECHNICAL SPECIFICATIONS

Head Range	: Upto 32 metres
Discharge Range	: Upto 10 LPS
Power Rating	: 0.75 – 3.7 kW / (1 - 5 HP)
RPM	: 2900
Voltage range	: 415±10%
Insulation	: High Grade F Class Insulation with Temperature rise restricted to B Class
Protection	: IP 55

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.

MATERIAL OF CONSTRUCTION

Impeller	: Cast Iron / Stainless Steel/ Bronze
Motor Body	: Cast Iron
Delivery Casing	: 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

FEATURES

Ultra Premium Efficiency

Lower life cycle cost with lower operating cost.

Higher Specific Discharge (discharge rate per unit power)

Up to 16.5% less energy consumption for pumping same amount of fluid.

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

Robust design to withstand extreme power fluctuation which ensures the reliability, safety of the equipment and enhances 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 use of permanent magnets/added accessories/control equipment.

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 10.5 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.

PERFORMANCE OF 'SP' SERIES, SELF PRIMING, IE5 MOTOR COUPLED PUMPS, AT RATED SPEED

Sr. No	PUMP MODEL	POWER RATING		PIPE SIZE(mm)		RATED VOLTAGE	IMPELLER DIA. (mm)	SOLID HANDLING SIZE (mm)	RATED SPEED (RPM)	TOTAL HEAD IN METERS												
										6	8	10	12	14	15	17	19	22	23	25	28	30
		kW	HP	SUC.	DEL.					DISCHARGE IN LITRES PER SECOND												
1	SP0'	0.75	1	40	40	415	116	7.0	2760	4.6	4.1	3.6	2.7	1.5	0.8	-	-	-	-	-	-	-
2	SP 1H	1.5	2	40	40	415	134	8.5	2900	-	-	6.3	5.6	4.8	4.5	3.4	2.0	-	-	-	-	-
3	SP 2H	2.2	3	50	50	415	145	10.5	2900	-	-	9.2	8.7	8.1	7.8	7.0	6.0	4.2	3.5	1.8	-	-
										20	22	23	25	28	30	32	-	-	-	-	-	-
4	SP 3A	3.7	5	80	80	415	174	7.0	2900	10.0	9.2	8.7	7.5	5.20	3.7	1.9	-	-	-	-	-	-

Note: All pump sets are supplied with 3-phase AC power supply. Performance applicable to liquid of specific gravity 1 and viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

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