



Enriching Lives



**ENERGY
EFFICIENT
PUMPSET
WITH
IE5 MOTOR**



Ultra Premium Efficiency IE5 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 IE5 Motor

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 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.

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.

TECHNICAL SPECIFICATION

Head Range	- Upto 32 Metres
Discharge Range	- Upto 10 LPS
Power Rating	- 0.75 to 3.7 kW (1 to 5 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, 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.

PERFORMANCE CHART FOR 'SP SERIES', SELF PRIMING COUPLED SET WITH ENERGY EFFICIENT IE5 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	
										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	-
										20	22	23	24	26	28	30	32	34	36	38	40	42	43	
4	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	-	-	-	-	-	-	-

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



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