



Enriching Lives

KOS

THREE PHASE OPENWELL PUMP



STRENGTHENED BY
99.9%
PURE EC GRADE
COPPER WINDING WIRES

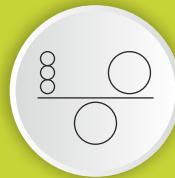
**BUY ELECTRIC PUMPS
WITH PURE COPPER
WINDING WIRES ONLY.
ENQUIRE BEFORE BUYING.**



Highly-efficient,
Energy-saving
Design



Wide
Voltage
Range



Dynamically
Balanced
Rotating Parts



Easy
Maintainable
Designs

ALWAYS BUY PUMPS WITH



Enriching Lives

and



LOGOS ON PACKAGING

KOS

THREE PHASE OPEN-WELL PUMP

TECHNICAL SPECIFICATION

Head Range	- Up to 76 Metres
Discharge Range	- Up to 38 LPS
Power Rating	- 2.2 to 11 kW (3 to 15 HP)
Voltage Range	- 200 to 440 Volts
Insulation	- PP
Protection	- IP68

MATERIAL OF CONSTRUCTION

Impeller	- Cast Iron
Delivery Casing	- Cast Iron
Motor Body	- Cast Iron
Pump Shaft	- Stainless Steel

APPLICATIONS

- Industrial service water supply schemes
- Domestic and community water supply
- Construction site
- Irrigation in horticulture & agriculture
- Water supplies for high rise building

FEATURES

Wide Voltage Design

The motor is designed to withstand wide voltage variation from 200 to 440 volts and reduces motor burning in case of low/high voltage.

Flatter Efficiency Curve

Minimum variations in efficiency during entire operating range increases the utility of pumpset for variable conditions.

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 the pump can be serviced even at remote locations by semi-skilled technicians.

CED – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating. It provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps coming in contact with the water are CED coated.

High Efficiency and Energy Saving Design

Innovative design manufactured at state-of-the-art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

Advanced Water Cooled Motors Designs

The motor is filled with potable water which protects it from overheating and facilitates smoother and trouble free operation for years.

PERFORMANCE CHART FOR KOS SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES																		
		kW	HP	SUC.	DEL.		8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40		
							DISCHARGE IN LITRES PER SECOND																		
1	KOS - 314	2.2	3	80	80	380	16.0	15.2	13.6	10.8	5.0	-	-	-	-	-	-	-	-	-	-	-	-		
2	KOS - 318	2.2	3	65	50	380	12.8	12.2	11.4	10.4	9.2	7.7	4.8	-	-	-	-	-	-	-	-	-	-		
3	KOS - 325	2.2	3	65	50	380	-	-	8.8	8.4	7.9	7.5	6.9	6.3	5.6	4.7	3.1	-	-	-	-	-	-		
4	KOS - 335	2.2	3	50	40	380	-	-	-	-	-	6.5	6.4	6.2	6.0	5.7	5.1	4.6	4.0	3.0	2.2	-	-		
5	KOS - 520	3.7	5	80	80	380	22.6	21.5	20.0	18.7	17.3	15.5	13.2	10.0	-	-	-	-	-	-	-	-	-		
6	KOS - 527	3.7	5	80	65	380	16.2	15.7	15.0	14.4	13.6	12.8	12.0	10.8	9.6	8.4	6.0	-	-	-	-	-	-		
7	KOS - 822	5.5	7.5	100	100	380	-	-	27.0	25.6	24.0	22.0	20.0	17.5	14.0	-	-	-	-	-	-	-	-		
8	KOS - 830	5.5	7.5	80	65	380	-	-	-	18.7	17.9	17.0	16.0	15.0	13.8	12.4	10.5	7.0	-	-	-	-	-		
9	KOS - 1030	7.5	10	100	100	380	-	-	32.0	31.0	29.8	28.2	27.0	25.0	23.5	21.0	18.0	13.5	-	-	-	-	-		
10	KOS - 1040	7.5	10	80	65	380	-	-	-	20.6	20.3	19.9	19.4	18.9	18.3	17.7	17.0	16.4	15.5	14.5	13.5	12.0	9.5		
11	KOS - 1331	9.3	12.5	100	100	380	-	-	-	-	-	-	38.0	37.0	36.0	33.0	30.0	28.0	25.0	20.0	-	-	-		
12	KOS - 1537	11	15	100	100	380	-	-	-	-	38.0	37.2	36.8	36.0	34.5	33.0	30.5	28.0	25.0	21.0	15.0	-	-		
							22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54		
13	KOS - 538	3.7	5	65	50	380	8.8	8.3	7.8	7.2	6.6	6.0	5.0	4.0	-	-	-	-	-	-	-	-	-		
14	KOS - 550	3.7	5	50	40	380	-	-	-	-	-	-	4.5	4.3	4.1	3.8	3.5	3.2	2.7	2.2	1.0	-	-		
15	KOS - 844	5.5	7.5	65	65	380	-	10.7	10.3	10.1	9.7	9.2	8.7	8.0	7.3	6.5	5.3	3.0	-	-	-	-	-		
16	KOS - 852	5.5	7.5	65	50	380	-	-	-	-	8.4	8.2	7.9	7.7	7.3	6.9	6.5	5.5	4.7	4.0	-	-	-		
17	KOS - 1050	7.5	10	65	65	380	-	12.8	12.6	12.4	12.2	12.0	11.7	11.3	10.9	10.5	10.0	9.4	8.7	8.0	7.0	6.0	4.0		
18	KOS - 1348	9.3	12.5	80	65	380	-	-	-	22.0	20.5	20.0	19.0	18.0	17.0	16.0	15.0	13.5	12.5	11.0	-	-	-		
19	KOS - 1555	11	15	80	65	380	-	22.7	22.5	22.1	22.0	21.5	21.0	20.5	19.8	18.5	17.5	16.5	15.2	14.0	13.0	11.5	7.5		
							42	44	46	48	50	52	56	60	64	68	72	76	-	-	-	-	-		
20	KOS - 1065	7.5	10	65	50	380	7.1	7.0	6.8	6.6	6.4	6.2	5.7	5.1	4.2	2.8	-	-	-	-	-	-	-		
21	KOS - 1575	11	15	65	50	380	-	-	-	-	-	7.4	7.0	6.5	6.0	5.4	4.8	3.5	-	-	-	-	-		

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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FOR SERVICE OF PUMPS

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