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2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



KOS
THREE PHASE
OPEN-WELL PUMPS



KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

KIRLOSKAR PUMPS

FEATURES

Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 350 to 440 volts and reduces motor burning in case of low 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 vibrations protect components from damages during the operations, 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.

TECHNICAL SPECIFICATION

Head Range	:	Upto 76 metres
Discharge Range	:	Upto 38 lps
Power Ratings	:	2.2 to 11.2 kW (3 to 15 HP)
Voltage Range	:	200 to 440 Volts
Insulation	:	B Class
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Motor Body	:	Cast Iron
Delivery Casing	:	Cast Iron
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

PERFORMANCE CHART FOR 'KOS+' SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMPS, 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 METERS																
		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	14.7	13.2	10.4	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	-	-	-	-	-	4.6	4.5	4.3	4.2	4.0	3.8	3.5	3.2	2.7	2.0	-	-
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	-	-	-	15.0	14.2	13.4	12.5	11.5	10.4	9.0	6.5	-	-	-	-	-	-
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	26.4	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	-	-	-	-	35.5	35.1	34.9	34.1	33.5	32.1	30.5	28.0	24.0	16.0	7.0	-	-
							24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56
13	KOS-538+*	3.7	5	65	50	380	-	-	8.0	7.4	6.8	6.2	5.5	4.8	3.8	-	-	-	-	-	-	-	-
14	KOS-550+*	3.7	5	50	40	380	-	-	-	-	-	-	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	6.0	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	19.5	19.4	19.1	18.8	18.5	18.2	17.8	17.4	16.8	16.1	15.5	14.5	13.5	12.0	10.0	7.5	4.0
							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	-	-	-	-	-	-	7.7	7.4	7.0	6.5	5.8	5.0	3.5	-	-	-	-

Note: * Marked pumps are ISI certified and ** Marked pumps are star rated. Performance applicable to liquid of specific gravity 1 and Viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

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Established 1888

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