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2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



JOS

Openwell - Submersible
Pumpset



KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

JOS

Openwell - Submersible Pumpset

TECHNICAL SPECIFICATION

Head Range	:	Upto 64 meters
Discharge Range	:	Upto 48.5 lps
Power Ratings	:	2.2 to 15 kW (3 to 20 HP)
Voltage Range	:	200 to 440 Volts (Three Phase)*
Insulation	:	B Class
Protection	:	IP 68

*Under ideal condition with suitable cable size.

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

- Irrigation in horticulture & agriculture.
- Sprinkler and drip irrigation.
- Water supplies for high rise building.
- Rural water supply.
- Domestic and community water supply.

FEATURES

Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 200 to 440 volts and reduces motor burning in low voltage.

Design To Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

High Efficiency And Energy Saving Design

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

Dynamically Balanced Rotating Parts

Minimum vibrations protect components from damages during the operations, consistent performance as concentricity is maintained.

Advanced Water Cooled Motors Designs

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

Wide Voltage Motor Designs

Motors are designed with extra overload capacities, more water spaces and engineered with 99.9% Electro Grade Copper performs well in low voltage with minimum discharge drops and suitable for wide voltage applications.

Easy Maintainable Designs

Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

High Head Applications

The pump has been designed to deliver large volumes of water for high head applications, helping customers to achieve high turnaround time and productivity.

PERFORMANCE CHART FOR 'JOS' SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMPS, AT RATED SPEED, 50 Hz FREQUENCY
THREE PHASE A.C. POWER SUPPLY

S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	Rated Speed (RPM)	TOTAL HEAD IN METERS																			
		kW	HP	SUC.	DEL			10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40				
		DISCHARGE IN LITERS PER SECOND																									
1	JOS-326**	2.2	3	65	65	380	2800	-	13.2	12.4	11.6	10.4	8.8	7.2	4.4	-	-	-	-	-	-	-	-	-	-	-	
2	JOS-330**	2.2	3	65	50	380	2800	11.8	11.2	10.4	10.2	9.7	9.1	8.0	6.6	4.8	2.0	-	-	-	-	-	-	-	-	-	
3	JOS-335	2.2	3	50	40	380	2800	-	-	-	-	-	-	-	5.8	5.2	4.8	4.2	3.2	2.2	-	-	-	-	-	-	
4	JOS-531**	3.7	5	65	65	380	2800	-	-	-	15.8	14.6	13.9	12.6	11.2	10.0	8.0	4.8	-	-	-	-	-	-	-	-	
5	JOS-540**	3.7	5	65	50	380	2800	-	-	-	-	-	-	-	10.2	9.2	8.2	6.8	5.2	3.2	-	-	-	-	-	-	
6	JOS-835	5.5	7.5	80	65	380	2800	-	-	-	-	-	-	19.2	18.5	17.2	15.6	14.0	12.2	9.5	-	-	-	-	-	-	
								20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50				
7	JOS-550	3.7	5	50	40	380	2800	-	-	-	-	-	5.5	5.4	5.2	5.1	4.8	4.6	4.2	3.8	3.4	2.8	2.2	-	-	-	-
8	JOS-846	5.5	7.5	65	50	380	2800	-	-	-	-	15.5	14.8	14.0	13.2	12.2	11.2	10.0	8.5	6.5	-	-	-	-	-	-	-
9	JOS-854	5.5	7.5	65	50	380	2800	-	-	-	-	-	-	-	-	13.5	12.5	11.5	10.5	9.3	7.0	-	-	-	-	-	
10	JOS-1040	7.5	10.0	80	65	380	2940	-	-	-	-	-	20.0	19.3	18.5	17.7	16.6	15.6	14.5	13.0	12.0	10.0	-	-	-	-	
11	JOS-1050	7.5	10.0	65	65	380	2940	-	-	-	-	-	-	-	11.5	11.0	10.5	10.0	9.5	8.8	8.0	7.0	6.0	-	-	-	-
12	JOS-2040	15	20	100	100	380	2850	-	-	-	-	-	-	48.5	46.5	44.5	42.0	39.8	37.0	34.0	30.5	26.0	21.0	12.0	-	-	-
								28	30	32	34	36	38	40	42	44	46	48	50	52	56	60	64				
13	JOS-1065	7.5	10.0	65	50	380	2940	-	-	-	-	-	-	-	-	7.4	7.2	7.0	6.6	6.2	5.6	4.7	3.6	-	-	-	-

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

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Service Toll-Free No.

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