

# THE FACTOR

- integrated TECHNOLOGY
- improved PERFORMANCE
- infinite BENEFITS







5 Star Rated Pump



45% (Approx.) Higher Specific Discharge (SD)



50% Higher Power to Weight Ratio (PWR)



Daily need of 1000 Liter water in 1 Rs 60 Paise



Annual Power Saving Apx. 350 – 1400 Units which results in saving from INR. 2450 – 10000 (apx)





## KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company Established 1888

#### KIRLOSKAR PUMPS



#### **KOSi Features**

- · High efficiency and energy saving design
- · Lightweight and Compact design
- Wide Voltage Range
- Dynamically balanced rotating parts
- Replaceable Wearing Parts
- Easy maintainable designs
- CED Cathode Electro Deposition Coating
- Advanced Water Cooled Motors Designs

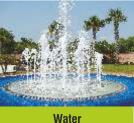
# **KOSi Applications**







community water supply

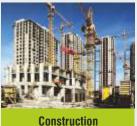


**fountains** 



TECHNICAL SPECIFICATION								
Head Range	Up to 42 Meters							
Discharge Range	Up to 9.7 I/s							
Power Ratings	0.37 to 1.5 kW (0.5 to 2 HP)							
Voltage Range	160 to 240 Volts (Single Phase)							
Insulation	B-Class							
Protection	IP68							

MATERIAL OF CONSTRUCTION								
Impeller	Cast Iron/ Noryl							
Delivery Casing	Cast Iron							
Motor Body	Cast iron/ Stainless Steel							
Shaft	Stainless Steel							





Water supply to overhead tanks

PE	PERFORMANCE OF 'KOSI' SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMPS, AT RATED SPEED, 50Hz, SINGLE PHASE A.C. POWER SUPPY															PY									
S.	PUMP	POWER		PIPE SIZE		RATED	RATED	TOTAL HEAD IN METERS																	
NO	MODEL RATING (mm)			VOLTAGE	SPEED	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42		
		kW	HP	SUC. DEL. (VOLTS) (RPM) DISCHARGE IN LITRES PER SECOND																					
1	KOSi-0520	0.37	0.5	25	25	210	2740	-	-	1.7	1.5	1.0	0.5	-	-	-	-	-	-	-	-	-	-	-	-
2	KOSi-123	0.75	1.0	50	40	210	2800	-	4.3	3.7	3.3	3.0	2.3	1.6	-	-	-	-	-	-	-	-	-	-	-
3	KOSi-135	0.75	1.0	25	25	210	2800	-	-	-	-	-	2.2	2.0	1.7	1.6	1.4	1.0	0.8	0.3	-	-	-	-	-
4	KOSi-1.522	1.1	1.5	50	40	210	2800	6.3	5.8	5.5	5.0	4.5	3.7	3.0	12.5	-	-	-	-	-	-	-	-	-	-
5	K0Si-1.540	1.1	1.5	32	25	210	2800	-	-	-	-	-	-	-	-	2.8	2.6	2.3	2.0	1.6	1.2	0.7	-	-	-
6	KOSi-216	1.5	2.0	65	50	210	2840	-	9.7	8.2	7.0	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	K0Si-225	1.5	2.0	50	40	210	2840	-	-	-	5.7	5.0	4.4	4.0	3.2	2.3	-	-	-	-	-	-	-	-	-
8	KOSN-245/ KOSi-245	1.5	2.0	32	25	210	2800	-	-	-	4.2	4.1	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.5	2.2	1.9	1.6	1.2	0.4

NOTE: ALL PUMPS ARE FIVE STAR RATED.

PERFORMANCE APPLICABLE TO LIQUID OF SPECIFIC GRAVITY 1 AND VISCOSITY AS OF WATER.

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### KIRLOSKAR BROTHERS LIMITED

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Registered Office: Udyog Bhavan, Tilak Road, Pune 411002. Tel: +91(20) 24440770 Global Headquarters: "Yamuna", Survey No. 98/(3-7), Baner, Pune 411045. Tel: +91(20)27214444, Email: marketing@kbl.co.in

TOLL-FREE NO. 1800 103 4443

www.kirloskarpumps.com