



Enriching Lives

KS7

BOREWELL WATERFILLED SUBMERSIBLE

With a capacity of pumping up to 2,100 litres per minute, Kirloskar KS7 submersible pumps suitably fulfill the need for high volumes of water in agricultural applications. The pumps combine the best in design and built quality so as to provide high operational efficiency, performance and durability. Available from Kirloskar Brothers, one of the leading brands in pump manufacturing and design, you are assured of high performance and durability for years.

PRODUCT SNAPSHOT

Range and Technical Specification

Head	: 5 to 113 Meters
Discharge	: 300 to 2100 LPM
Motor Rating	: 7.5 to 25 HP
Borewell Size	: 200mm
Voltage Range	: 350 to 440 V

MATERIAL OF CONSTRUCTION

Parts	Material	Grade
Pump bowl, Suction & Delivery	Cast Iron	C.I.FG-200
Motor & Pump Bushes	Lead Tin Bronze	LTB-2/LTB-4
Motor & Pump Shaft	Stainless Steel	SS-410
Impeller	Noryl / Stainless Steel	20% Glass Filled / Cast Steel (SS 410)
Finish Rotor	Copper + Steel	EC grade + M47
Thrust Bearing	Carbon + SS	Graphite Carbon + SS 420
Pump Bushes	Engg. Rubber	NRB-Nitrile Butadiene Rubber
Sleeves Plating	Stainless Steel	SS 410 with Hard Chrome
Motor Body	Stainless Steel	AISI-304

Pump



High Efficiency: Innovations in pump design offer advantages of low power consumption and optimum efficiency, which translates into significant savings for customers.



Wide voltage range: The pump performs optimally during voltage fluctuations, due to its ability to adapt to a wide input voltage range.



High quality sleeves and bearings: Super-finished, water lubricated bush bearings, Nitrile rubber bushes, SS chrome-plated shaft sleeves reduce friction and enhance efficiency and durability.



Non-return valve (NRV): An in-built sand flushing system combined with a specially designed NRV increases pump life, and prevents reverse water thrust into the motor.



Dynamically balanced rotating parts: All rotating parts are dynamically balanced resulting in minimum vibration and trouble-free operations.



CED coated components: All cast-iron components are CED-coated – providing 5 times more protection from corrosion compared to painted pumps.

Motor



Less speed drop: The motor has been specially designed to run optimally during low voltages with minimum speed drops.



Teflon bearing: Carbon thrust Teflon bearings enhance the life of the motor, and provides superior surface finish for minimum friction loss.



Sand guard: An innovative sand guard system offers double-layer protection from sand ingress in the motor – leading to longer motor life.



Glycol-mixed water: Glycol-mixed water in the motor improves anti-friction properties and prevents corrosion.

APPLICATIONS

Water use in

- Continuous water supply for farming and irrigation
- Fire fighting



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OUR COMPANIES



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KIRLOSKAR BROTHERS LIMITED
A Kirloskar Group Company

PERFORMANCE CHART OF 7 "SUBMERSIBLE (MIX FLOW) PUMP SERIES-1 AT 50Hz FREQUENCY & RATED VOLTAGE

SR. NO.	PUMP MODEL	POWER RATING		NO. OF STAGE	IMPELLER DIAMETER IN (mm)	DEL. PIPE SIZE (mm)	RATED VOLTAGE (v)	VOLTAGE RANGE IN (v)	SHUT OFF HEAD (mtrs.)	HEAD IN METERS					
		HP	KW							LPM	LPS	M ³ /Hr			
1	KS7P-0803	7.5	5.5	3	112.0	100	415	350 - 440	41	600	900	1080	1200	1500	1680
2	KS7P-1004	10.0	7.5	4	112.0	100	415	350 - 440	55	45	39	33	30	20	10
3	KS7P-1305	12.5	9.3	5	112.0	100	415	350 - 440	69	56	49	41	38	25	13
4	KS7P-1506	15.0	11.0	6	112.0	100	415	350 - 440	83	68	59	50	45	30	15
5	KS7P-1807	17.5	13.0	7	112.0	100	415	350 - 440	96	79	68	58	53	35	18
6	KS7P-2008	20.0	15.0	8	112.0	100	415	350 - 440	138	113	98	83	75	50	25

PERFORMANCE CHART OF 7 "SUBMERSIBLE (MIX FLOW) PUMP SERIES-2 AT 50Hz FREQUENCY & RATED VOLTAGE

SR. NO.	PUMP MODEL	POWER RATING		NO. OF STAGE	IMPELLER DIAMETER IN (mm)	DEL. PIPE SIZE (mm)	RATED VOLTAGE (v)	VOLTAGE RANGE IN (v)	SHUT OFF HEAD (mtrs.)	HEAD IN METERS					
		HP	KW							LPM	LPS	M ³ /Hr			
1	KS7P-1003	10.0	7.5	3	116.5	100	415	350 - 440	44	40	36	32	26	19	8
2	KS7P-1304	12.5	9.3	4	116.5	100	415	350 - 440	58	53	48	43	35	25	10
3	KS7P-1505	15.0	11.0	5	116.5	100	415	350 - 440	73	66	60	54	44	31	13
4	KS7P-1806	17.5	13.0	6	116.5	100	415	350 - 440	87	80	72	65	53	38	15
5	KS7P-2007	20.0	15.0	7	116.5	100	415	350 - 440	102	93	84	75	61	44	18

PERFORMANCE CHART OF 7 "SUBMERSIBLE (MIX FLOW) PUMP SERIES-3 AT 50Hz FREQUENCY & RATED VOLTAGE

SR. NO.	PUMP MODEL	POWER RATING		NO. OF STAGE	IMPELLER DIAMETER IN (mm)	DEL. PIPE SIZE (mm)	RATED VOLTAGE (v)	VOLTAGE RANGE IN (v)	SHUT OFF HEAD (mtrs.)	HEAD IN METERS					
		HP	KW							LPM	LPS	M ³ /Hr			
1	KS7B-0802	7.5	5.5	2	122.0	100	415	350 - 440	32	29	27	23	20	13	5
2	KS7P-1303	12.5	9.3	3	122.0	100	415	350 - 440	48	43	40	35	30	20	8
3	KS7P-1504	15.0	11.0	4	122.0	100	415	350 - 440	64	57	53	47	40	27	11
4	KS7P-2005	20.0	15.0	5	122.0	100	415	350 - 440	80	72	67	58	50	33	13
5	KS7B-2506	25.0	18.5	6	122.0	100	415	350 - 440	96	86	80	70	60	40	16

PERFORMANCE CHART OF 7 "SUBMERSIBLE (MIX FLOW) PUMP SERIES-4 AT 50Hz FREQUENCY & RATED VOLTAGE

SR. NO.	PUMP MODEL	POWER RATING		NO. OF STAGE	IMPELLER DIAMETER IN (mm)	DEL. PIPE SIZE (mm)	RATED VOLTAGE (v)	VOLTAGE RANGE IN (v)	SHUT OFF HEAD (mtrs.)	HEAD IN METERS					
		HP	KW							LPM	LPS	M ³ /Hr			
1	KS7C-1002	12.5	9.3	2	130.0	100	415	350 - 440	35	30	27	25	21	18	12
2	KS7C-1503	15.0	11.0	3	130.0	100	415	350 - 440	53	45	41	38	31	27	18
3	KS7C-2004	20.0	15.0	4	130.0	100	415	350 - 440	70	60	55	50	41	36	24
4	KS7C-2505	25.0	18.5	5	130.0	100	415	350 - 440	88	75	69	63	51	45	30

PERFORMANCE CHART OF 7 "SUBMERSIBLE (MIX FLOW) PUMP SERIES-5 AT 50Hz FREQUENCY & RATED VOLTAGE

SR. NO.	PUMP MODEL	POWER RATING		NO. OF STAGE	IMPELLER DIAMETER IN (mm)	DEL. PIPE SIZE (mm)	RATED VOLTAGE (v)	VOLTAGE RANGE IN (v)	SHUT OFF HEAD (mtrs.)	HEAD IN METERS					
		HP	KW							LPM	LPS	M ³ /Hr			
1	KS7B-1302	12.5	9.3	2	126.0	100	415	350 - 440	37	30	27	23	21	19	13
2	KS7B-1803	17.5	13.0	3	126.0	100	415	350 - 440	55	45	40	35	32	28	19
3	KS7B-2504	25.0	18.5	4	126.0	100	415	350 - 440	73	60	53	47	43	37	25