



Enriching Lives



Energy efficient submersible for bore well applications

Kirloskar KSB Series

0.5 – 1.25 HP, 75mm Submersible Pump



Drinking Water



Sprinkler Irrigation



Booster Systems



KIRLOSKAR BROTHERS LIMITED
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Kirloskar KS3 Series



0.5 – 1.25 HP, 75mm Submersible Pump

The Kirloskar KS3 suitably fulfils the needs of customers who primarily rely on water from bore wells to serve their domestic requirements, especially in areas with limited water supply from utility. The pumps are designed for optimum efficiency and energy use – translating into low operational costs and significant savings for customers.

The KS3 features a water-cooled motor that protects it from overheating. The pump construction includes a chrome steel shaft, cast iron body, bronze bushes, and copper rotor – all together enhancing the pump's reliability and providing greater resistance to corrosion while submerged in water.

The pump's lightweight and compact design facilitates easy installation inside bore wells with at least 80 mm diameter, and combined with its high head feature, the KS3 efficiently complements wide ranging applications such as water supply, booster systems, and sprinkler or drip irrigation in farmhouses, nurseries and gardens.



High grade materials for a robust construction

Long-lasting, cast iron NRV body, chrome steel shaft and high-tensile Noryl impeller, bronze bushes and copper rotor – altogether present a robust construction for high performance and durability.



Lightweight for ease of use and installation

Kirloskar KS3 is constructed with special materials to keep it lightweight for easy handling. It's compact size and weight enables you to install the pump easily, in 80 mm bore wells.



Water cooled motor for smoother operation

The motor is filled with potable and hygienic grade water, protecting it from over-heating and facilitating smoother operations and trouble-free pump life.



Designed for high efficiency and energy use

The pump employs innovations in design and construction to enhance operational efficiency and reduce energy use, resulting in significant cost savings.



Designed for bore well applications

The pump requires minimum 1 metre submergence in non-corrosive water and can withstand ingress of suspended solid particles of less than 50 ppm.

APPLICATIONS



- domestic and industrial use
- sprinkler and drip irrigation
- booster systems
- farmhouses, nurseries and gardens

PRODUCT SNAPSHOT:

Range and Technical Specification

Head	: 8 to 59 metres
Capacity	: 68 to 8 LPM
Power Rating	: 0.37 to 0.93 kW / 0.5 to 1.25 HP
Voltage Range	: 160 to 240 volts

Construction Material

Shaft	: Chrome Steel
Impeller	: Noryl
Diffuser	: Noryl
NRV Body	: Cast Iron
Bushes	: Bronze
Rotor	: Copper

PERFORMANCE CHART OF 80 MM (3") WATER FILLED SUBMERSIBLE PUMP KS3 SERIES AT 50Hz FREQUENCY, 220 VOLTS RATED VOLTAGE FOR 1PH

Sr. No.	MODEL	Pipe Size (mm)	Power Rating (kW/HP)	STG	Rated Current	HEAD IN METERS							
						GPM	5.3	6.9	8.7	10.6	12.2	14.0	15.9
					1Ø	LPM	20.0	26.0	33.0	40.0	46.0	53.0	60.0
						LPS	0.3	0.4	0.6	0.7	0.8	0.9	1.0
						M ³ /Hr	1.2	1.6	2.0	2.4	2.8	3.2	3.6
1	KS3D-0507	32	0.37/0.5	7	4.4		23	22	20	19	17	15	13
2	KS3D-0811	32	0.55/0.75	11	6		36	35	31	30	27	24	20
3	KS3D-1015	32	0.75/1.0	15	7.8		49	47	43	41	36	32	28
4	KS3D-1318	32	0.93/1.25	18	9.75		59	57	51	49	44	39	33
Sr. No.	MODEL	Pipe Size (mm)	Power Rating (kW/HP)	STG	Rated Current	HEAD IN METERS							
						GPM	6.6	8.7	11.1	13.2	14.8	16.4	18.0
					1Ø	LPM	25.0	33.0	42.0	50.0	56.0	62.0	68.0
						LPS	0.4	0.6	0.7	0.8	0.9	1.0	1.1
						M ³ /Hr	1.5	2.0	2.5	3.0	3.4	3.7	4.1
5	KS3E-0505	32	0.37/0.5	5	4.4		14	13	12	11	10	9	8
6	KS3E-0810	32	0.55/0.75	10	6		28	26	24	22	20	18	16
7	KS3E-1012	32	0.75/1.0	12	7.8		34	31	29	26	24	22	19
8	KS3E-1014	32	0.75/1.0	14	7.8		40	36	34	31	28	25	22
9	KS3E-1316	32	0.93/1.25	16	11.7		45	42	38	35	32	29	26

Note : Performance applicable in cases of liquid with specific gravity 1 and viscosity as of water.

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