



Enriching Lives



KS6

6" BOREWELL
SUBMERSIBLE PUMPS



KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

KS6

6" BOREWELL SUBMERSIBLE PUMPS

Performance Chart for 150 MM (6") Borewell Submersible Pumpsets - KS6B SERIES at rated voltage of 415 Volts - Three Phase 50 Hz, AC supply

S. No.	Model	Power Rating		No. of Stages	Outlet Size (mm)	Rated Current (ampere)	LPM	0	60	120	160	180	240	270	300
		kW	HP			3Ø									
						M ³ /h									
1	KS6B-0305	2.2	3.0	5	50	6.3	Head in Meters	48	46	44	41	38	26	20	7
2	KS6B-0306	2.2	3.0	6	50	6.3		57	55	53	49	45	31	24	8
3	KS6B-0508	3.7	5.0	8	50	9.3		76	74	70	66	60	42	32	11
4	KS6B-0509	3.7	5.0	9	50	9.3		86	83	79	74	68	47	36	12
5	KS6B-0510	3.7	5.0	10	50	9.3		95	92	88	82	75	52	40	13
6	KS6B-0511	3.7	5.0	11	50	9.3		105	101	97	90	83	57	44	15
7	KS6B-0612	4.5	6.0	12	50	11.8		114	110	106	98	90	62	48	16
8	KS6B-0813	5.5	7.5	13	50	14.5		124	120	114	107	98	68	52	17
9	KS6B-0814	5.5	7.5	14	50	14.5		133	129	123	115	105	73	56	19
10	KS6B-0815	5.5	7.5	15	50	14.5		143	138	132	123	113	78	60	20
11	KS6B-1016	7.5	10.0	16	50	18.0		153	147	141	131	120	83	64	21
12	KS6B-1020	7.5	10.0	20	50	18.0		191	184	176	164	150	104	80	27
13	KS6B-1324	9.3	12.5	24	50	22.5		229	221	211	197	180	125	96	32
14	KS6B-1530	11.0	15.0	30	50	26.0		286	276	264	246	225	156	120	40

Performance Chart of 6" Borewell Submersible Pumpsets (Radial Flow) KS6C Series at rated voltage 415 Volts, Three Phase 50Hz Frequency, AC Supply

S. No.	Model	Power Rating		No. of Stages	Outlet Size (mm)	Rated Current (ampere)	LPM	0	100	200	250	300	350	400	450
		kW	HP			3Ø									
						M ³ /h									
1	KS6C-0302	2.2	3	2	50	6.3	Head in Meters	0.0	6	12	15	18	21	24	27
2	KS6C-0505	3.7	5.0	5	50	9.3		24	23	21	20	18	16	13	10
3	KS6C-0606	4.5	6.0	6	50	11.8		60	59	53	50	45	40	34	26
4	KS6C-0807	5.5	7.5	7	50	14.5		71	70	63	59	54	47	40	31
5	KS6C-0808	5.5	7.5	8	50	14.5		83	82	74	69	63	55	47	36
6	KS6C-0810	5.5	7.5	10	50	14.5		95	94	84	79	72	63	54	42
7	KS6C-1009	7.5	10.0	9	50	18.0		119	117	105	99	90	79	67	52
8	KS6C-1010	7.5	10.0	10	50	18.0		107	105	95	89	81	71	60	47
9	KS6C-1311	9.3	12.5	11	50	22.5		119	117	105	99	90	79	67	52
10	KS6C-1312	9.3	12.5	12	50	22.5		131	129	116	109	99	87	74	57
11	KS6C-1515	11.0	15.0	15	50	26.0		143	140	126	119	108	95	80	62
12	KS6C-1817	13.0	17.5	17	50	32.5		179	176	158	149	135	119	101	78
13	KS6C-2018	15.0	20.0	18	50	36.5		202	199	179	168	153	134	114	88
14	KS6C-2020	15.0	20.0	20	50	36.5		214	211	189	178	162	142	121	94
							238	234	210	198	180	158	134	104	

Performance Chart for 150 MM (6") Borewell Submersible Pumpsets - KS6D SERIES at rated voltage of 415 Volts - Three Phase 50 Hz, AC supply

S. No.	Model	Power Rating		No. of Stages	Outlet Size (mm)	Rated Current (ampere)	LPM	0	200	300	350	400	450	500	600
		kW	HP			3Ø									
						M ³ /h									
1	KS6D-0504	3.7	5.0	4	65	9.3	Head in Meters	0.0	12.0	18.0	21.0	24.0	27.0	30.0	36.0
2	KS6D-0505	3.7	5.0	5	65	9.3		51	48	45	43	39	36	31	19
3	KS6D-0806	5.5	7.5	6	65	14.5		64	59	56	53	49	45	39	23
4	KS6D-1008	7.5	10.0	8	65	18.0		77	71	68	64	59	54	47	28
5	KS6D-1310	9.3	12.5	10	65	22.5		103	95	90	85	79	72	63	38
6	KS6D-1512	11.0	15.0	12	65	26.0		128	119	113	106	98	89	78	47
7	KS6D-1814	13.0	17.5	14	65	32.5		154	143	135	128	118	107	94	56
8	KS6D-2016	15.0	20.0	16	65	36.5		180	166	158	149	137	125	109	66
							206	190	180	170	157	143	125	75	

Performance Chart for 150 MM (6") Borewell Submersible Pumpsets - KS6EA SERIES at rated voltage of 415 Volts - Three Phase 50 Hz, AC supply															
S. No.	Model	Power Rating		No. of Stages	Outlet Size (mm)	Rated Current (ampere)	LPM	0	240	360	480	600	720	840	900
		kW	HP					3Ø	M ³ /h	0.0	14.4	21.6	28.8	36.0	43.2
1	KS6EA-0808	5.5	7.5	8	80	14.5	Head in Meters	66	58	51	43	33	23	12	7
2	KS6EA-1010	7.5	10.0	10	80	19.5		83	72	64	54	41	29	15	9
3	KS6EA-1312	9.3	12.5	12	80	25		100	86	77	65	49	35	18	11
4	KS6EA-1515	11.0	15.0	15	80	29		125	108	96	81	62	44	23	13
5	KS6EA-1817	13.0	17.5	17	80	34		141	122	109	92	70	49	26	15
6	KS6EA-2020	15.0	20.0	20	80	39		166	144	128	108	82	58	30	18

Performance Chart for 150 MM (6") Borewell Submersible Pumpsets - KS6F SERIES at rated voltage of 415 Volts - Three Phase 50 Hz, AC supply															
S. No.	Model	Power Rating		No. of Stages	Outlet Size (mm)	Rated Current (ampere)	LPM	0	400	500	600	700	800	900	1000
		kW	HP					3Ø	M ³ /h	0.0	24.0	30.0	36.0	42.0	48.0
1	KS6F-0503	3.7	5	3	80	9.3	Head in Meters	39	29	26	23	21	18	15	10
2	KS6F-0604	4.5	6	4	80	11.8		51	39	35	31	27	23	19	13
3	KS6F-0805	5.5	7.5	5	80	14.5		64	48	43	38	33	29	24	17
4	KS6F-1006	7.5	10	6	80	18		77	58	52	46	40	35	29	20
5	KS6F-1308	9.3	12.5	8	80	22.5		103	77	69	61	53	47	39	27
6	KS6F-1509	11	15	9	80	26		116	87	78	69	60	53	44	30
7	KS6F-1811	13	17.5	11	80	32.5		141	106	95	84	73	64	53	37
8	KS6F-2013	15	20	13	80	36.5		167	126	113	100	87	76	63	43

Performance Chart for 150 MM (6") Borewell Submersible Pumpsets - KS6G SERIES at rated voltage of 415 Volts - Three Phase 50 Hz, AC supply															
S. No.	Model	Power Rating		No. of Stages	Outlet Size (mm)	Rated Current (ampere)	LPM	0	140	240	480	720	840	960	1200
		kW	HP					3Ø	M ³ /h	0.0	8.4	14.4	28.8	43.2	50.4
1	KS6G-0502R	3.7	5	2	100	9.3	Head in Meters	25	24	22	20	16	15	12	7
2	KS6G-0603R	4.5	6.0	3	100	11.8		38	36	33	30	24	22	18	10
3	KS6G-0804R	5.5	7.5	4	100	14.5		51	48	44	41	33	29	24	13
4	KS6G-1005R	7.5	10.0	5	100	18.0		64	60	56	51	41	36	30	16
5	KS6G-1306R	9.3	12.5	6	100	22.5		76	72	67	61	49	44	36	20
6	KS6G-1507R	11.0	15.0	7	100	26.0		89	84	78	71	57	51	42	23
7	KS6G-1808R	13.0	17.5	8	100	32.5		102	96	89	81	65	58	48	26
8	KS6G-2010R	15.0	20.0	10	100	36.5		127	120	111	101	81	73	60	33

Performance Chart for 150 MM (6") Borewell Submersible Pumpsets - KS6J SERIES at rated voltage of 415 Volts - Three Phase 50 Hz, AC supply															
S. No.	Model	Power Rating		No. of Stages	Outlet Size (mm)	Rated Current (ampere)	LPM	0	340	540	740	940	1140	1340	1540
		kW	HP					3Ø	M ³ /h	0.0	20.4	32.4	44.4	56.4	68.4
1	KS6J-0803	5.5	7.5	3	100	14.5	Head in Meters	36	34	31	28	24	20	16	11
2	KS6J-1004	7.5	10.0	4	100	18.0		48	45	41	37	32	27	21	14
3	KS6J-1305	9.3	12.5	5	100	22.5		61	56	52	47	40	34	27	18
4	KS6J-1506	11.0	15.0	6	100	26.0		73	67	62	56	48	40	32	21
5	KS6J-1807	13.0	17.5	7	100	32.5		85	78	72	65	56	47	37	25
6	KS6J-2008	15.0	20.0	8	100	36.5		97	90	82	74	64	54	42	28
7	KS6J-2510	18.3	25.0	10	100	45.0		121	112	103	93	80	67	53	35

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6" BOREWELL SUBMERSIBLE PUMPS

TECHNICAL SPECIFICATION

Head Range	Upto 276 meters
Capacity	Upto 1540 LPM
Power Ratings	2.2 to 18.3 kW / 3 to 25 HP
Voltage Range	160 to 240 Volts (Single Phase) 280 to 440 Volts (Three Phase)
Insulation	PP Class
Type of Cooling	Water Filled
Protection	IP 68

MATERIAL OF CONSTRUCTION

Impeller	Stainless Steel / Noryl
Diffuser	Cast Iron / Noryl
Bowl/Stage casing	Cast Iron
Pump Shaft	Stainless steel
Motor Housing	Stainless steel
Motor Shaft	Stainless steel
Finished Rotor	Copper
NRV	Cast Iron
Suction	Cast Iron
Pump / Motor Bushes	NBR / LTB
Thrust Bearing	Carbon + SS

APPLICATIONS

- Irrigation in horticulture & agriculture
- Domestic and community water supply
- Sprinkler and drip irrigation
- Rural water supply
- Ground Water supply to water works

FEATURES

Wide voltage motor designs with 100% copper rotor

Motors are designed with extra overload capacities, more water spaces and engineered with 100% pure Electro Grade Copper performs well in low voltage with minimum discharge drops and suitable for wide voltage applications.

Sand Fighter Designs

Innovative Sand Fighter Designs restricts the entry of sand in motors, protects the pump and motor bushes to perform well in sandy borewells and increase the pumpset life.

Dynamically balanced rotating parts

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

Longer and trouble free life

High grade engineering materials like Graded Cast Iron Components, Stainless Steel Shaft, Noryl Impellers, Bronze Bushes, Heavy duty Carbon + SS Thrust Plate, 99.9 % pure Copper Rotor and Winding Wires for longer and trouble free life

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.

CED – Cathode Electro Deposition Coating

CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life

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.

Glycol-mixed water

Motors filled with specially developed Glycol mixed water to improve the anti-freezing properties of motor and prevent corrosion.

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KIRLOSKAR BROTHERS LIMITED
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Established 1888

Toll-Free No.

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