

KS4

100 MM (4") Submersible Pump

The Kirloskar KS4 series offers customers the power to select from over a hundred variants of 100 mm submersibles, suitable for both domestic and agricultural applications. Made primarily of stainless steel and cast iron, the KS4 pumps provide high resistance to abrasives and corrosive agents in the pumped water, leading to longer life of the pump. Innovations employed in the Kirloskar KS4 submersible pumps offer unique advantages of low power consumption and optimum efficiency, which translates into low operational costs and significant savings for customers. Wide voltage range operations, dynamically balanced rotating parts, and world-class electrical components altogether provide high durability and trouble-free operation at all times.

PRODUCT SNAPSHOT

Range and Technical Specification

Head	: 6 to 351 metres
Capacity	: 6 to 420 litres per minute
Power Rating	: 0.37 to 5.5 kW 0.5 to 7.5 HP
Voltage Range	: 160 to 240 Volts (Single phase) 280 to 440 Volts (Three phase)
Motor	: Water-filled

Construction Material

Pump Housing	: Stainless Steel
NRV	: Cast Iron
Suction Housing	: Cast Iron
Impeller	: Noryl
Diffuser	: Noryl
Strainer	: Stainless Steel



Efficient and durable motor design



Replaceable wearing parts



Wide voltage range



Dynamically balanced rotating parts



Wide voltage range - to offset fluctuations

The motor is also designed to perform optimally within a wide input voltage range of 160 to 240 volts (single phase) and 280 to 440 volts (three phase) to offset voltage fluctuations.



Efficient and durable motor design

Anti-corrosive stainless steel body, world-class electrical components, and thermal resistant insulation ensure smooth operation and longer life of the motor.



Wide range of sizes for various usage

The KS4 series comprises a wide range of submersible pumps to fit virtually any application, with Power rating HP/kW = 0.5/0.37 to 7.5/5.5 & Head - 9 to 351 Mtrs.



State-of-the-art technology and high efficiency

Innovations employed in the pumps offer unique advantages of low power consumption and optimum efficiency, which translates into low operational costs and significant savings for customers.



Anti-corrosive materials and robust construction

Stainless steel and cast iron construction provides high resistance to abrasives and corrosive agents in the pumped water, leading to longer life of the pump.



Dynamically balanced rotating parts

All rotating parts are dynamically balanced to ensure minimum vibration and protect components from damage during the pump's operation.



Replaceable wearing parts for extended life

All wearing parts within the pump are easily accessible and replaceable, and the motor can be easily rewound - thereby extending the life of the pump.

APPLICATIONS

Water use in

- Domestic and industrial water supply
- Moderate-sized fire-fighting systems
- Sprinkler and drip irrigation systems
- Water boosting for high-rise buildings



Enriching Lives



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OUR COMPANIES



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KIRLOSKAR BROTHERS LIMITED
A Kirloskar Group Company

**PERFORMANCE CHART FOR KS4 - 100MM (4") WATER FILLED SUBMERSIBLES PUMPS
AT 220 VOLTS - SINGLE PHASE & 415 VOLTS - THREE PHASE AT 50HZ.**

Sr. No.	PUMP MODEL	Power Rating (kW/HP)	Outlet Size (mm)	STG	Full Load Current		GPM	1.6	3.2	4.8	6.3	7.9	9.5	11.1								
															LPM	6	12	18	24	30	36	42
					1 Ø	3 Ø																
				M ³ /Hr	0.36	0.72	1.08	1.44	1.8	2.16	2.52											
1	KS4AN-0507	0.37/0.5	32	7	4.5	2.8	46	44	42	39	35	30	25									
2	KS4AN-0810	0.55/0.75	32	10	6.0	2.8	65	63	60	55	50	43	36									
3	KS4AN-1014	0.75/1	32	14	8.0	3.0	91	88	84	77	70	60	50									
4	KS4AN-1016	0.75/1	32	16	8.0	3.0	104	101	96	88	80	69	58									
5	KS4AN-1520	1.1/1.5	32	20	11	3.5	130	126	120	110	100	86	72									
6	KS4AN-2025	1.5/2	32	25	14	4.5	163	158	150	138	125	108	90									
7	KS4AN-3034	2.2/3	32	34	19	6.5	221	214	204	187	170	146	122									
8	KS4AN-3040	2.2/3	32	40	19	6.5	260	252	240	220	200	172	144									

Sr. No.	PUMP MODEL	Power Rating (kW/HP)	Outlet Size (mm)	STG	Full Load Current		GPM	4.0	6.	8.	10.	12.	16.	17.4								
															LPM	15	24	30	36	45	60	66
					1 Ø	3 Ø																
				M ³ /Hr	0.36	0.72	1.08	1.44	1.8	2.16	2.52											
1	KS4BN-0506	0.37 /0.5	32	6	4.5	2.8	41	38	34	30	23	11	5									
2	KS4BN-0809	0.55 / 0.75	32	9	6.0	2.8	62	57	51	45	34	16	7									
3	KS4BN-1010	0.75 / 1	32	10	8.0	3.0	69	63	57	50	38	18	8									
4	KS4BN-1012	0.75 / 1	32	12	8.0	3.0	83	76	68	60	46	22	10									
5	KS4BN-1515	1.1 /1.5	32	15	11	3.5	104	95	86	75	57	27	12									
6	KS4BN-1516	1.1 / 1.5	32	16	11	3.5	110	101	91	80	61	29	13									
7	KS4BN-1517	1.1 / 1.5	32	17	11	3.5	117	107	97	85	65	31	14									
8	KS4BN-2020	1.5 / 2	32	20	14	4.5	138	126	114	100	76	36	16									
9	KS4BN-2022	1.5 / 2	32	22	14	4.5	152	139	125	110	84	40	18									
10	KS4BN-3030	2.2 / 3	32	30	19	6.5	207	189	171	150	114	54	24									
11	KS4BN-3035	2.2 / 3	32	35	19	6.5	242	221	200	175	133	63	28									
12	KS4BN-4045	3 / 4	32	45	23	8.5	311	284	257	225	171	81	36									
13	KS4BN-5050	3.7 / 5	32	50	30	10.0	345	315	285	250	190	90	40									

Sr. No.	PUMP MODEL	Power Rating (kW/HP)	Outlet Size (mm)	STG	Full Load Current		GPM	4.0	7.8	11.9	14.0	15.9	19.8	23.8								
															LPM	15	30	45	53	60	75	90
					1 Ø	3 Ø																
				M ³ /Hr	0.9	1.8	2.7	3.2	3.6	4.5	5.4											
1	KS4C-0806	0.55 / 0.75	38	6	6.0	2.8	47	45	40	36	33	25	16									
2	KS4C-1009	0.75 / 1	38	9	8.0	3.0	70	68	59	54	50	37	23									
3	KS4C-1510	1.1 / 1.5	38	10	11	3.5	78	75	66	60	55	41	26									
4	KS4C-1512	1.1 / 1.5	38	12	11	3.5	94	90	79	72	66	49	31									
5	KS4C-2014	1.5 / 2	38	14	14	4.5	109	105	92	84	77	57	36									
6	KS4C-2016	1.5 / 2	38	16	14	4.5	125	120	106	96	88	66	42									
7	KS4C-3020	2.2 / 3	38	20	19	6.5	156	150	132	120	110	82	52									
8	KS4C-3022	2.2 / 3	38	22	19	6.5	172	165	145	132	121	90	57									
9	KS4C-4030	3 / 4	38	30	23	10.0	234	225	198	180	165	123	78									
10	KS4C-5035	3.7/5	38	35	30	10.0	273	263	231	210	193	144	91									
11	KS4C-5038	3.7 / 5	38	38	30	10.0	296	285	251	228	209	156	99									
12	KS4C-6045	4.5 / 6	38	45	NA	12.0	351	338	297	270	248	185	117									

Sr. No.	PUMP MODEL	Power Rating (kW/HP)	Outlet Size (mm)	STG	Full Load Current		GPM	7.9	11.9	15.9	17.8	19.8	23.8	27.7								
															LPM	30	45	60	68	75	90	105
					1 Ø	3 Ø																
				M ³ /Hr	1.8	2.7	3.6	4.1	4.5	5.4	6.3											
1	KS4D-1509	1.1 / 1.5	38	9	11	3.5	66	58	47	41	34	22	9									
2	KS4D-2010	1.5 / 2	38	10	14	4.5	73	64	52	45	38	24	10									
3	KS4D-3015	2.2 / 3	38	15	19	6.5	110	96	78	68	57	36	15									
4	KS4D-3017	2.2 / 3	38	17	19	6.5	124	109	88	77	65	41	17									
5	KS4D-4021	3 / 4	38	21	23	8.5	153	134	109	95	80	50	21									
6	KS4D-5025	3.7 / 5	38	25	30	10.0	183	160	130	113	95	60	25									
7	KS4D-5027	3.7 / 5	38	27	30	10.0	197	173	140	122	103	65	27									
8	KS4D-6032	4.5 / 6	38	32	NA	12.0	234	205	166	144	122	77	32									
9	KS4D-8040	5.5 / 7.5	38	40	NA	14.5	292	256	208	180	152	96	40									

**PERFORMANCE CHART FOR KS4 - 100MM (4") WATER FILLED SUBMERSIBLES PUMPS
AT 220 VOLTS - SINGLE PHASE & 415 VOLTS - THREE PHASE AT 50HZ.**

Sr. No.	PUMP MODEL	Power Rating (kW/HP)	Outlet Size (mm)	STG	Full Load Current		GPM	7.9	11.9	15.9	19.8	23.8	27.7	31.7								
															LPM	30	45	60	75	90	105	120
					1 Ø	3 Ø																
				M ³ /Hr	1.8	2.7	3.6	4.5	5.4	6.3	7.2											
1	KS4E-1004	0.75 / 1	38	4	8.0	3.0	31	30	29	27	24	21	18									
2	KS4E-1506	1.1 / 1.5	38	6	11	3.5	46	45	43	40	36	32	26									
3	KS4E-2008	1.5 / 2	38	8	14	4.5	62	60	57	53	48	42	35									
4	KS4E-3012	2.2 / 3	38	12	19	6.5	92	89	86	80	71	63	53									
5	KS4E-4016	3 / 4	38	16	23	8.5	123	119	114	106	95	84	70									
6	KS4E-5020	3.7 / 5	38	20	30	10.0	154	149	143	133	119	105	88									
7	KS4E-5021	3.7 / 5	38	21	30	10.0	162	156	150	140	125	110	92									
8	KS4E-6025	4.5 / 6	38	25	NA	12.0	193	186	179	166	149	131	110									
9	KS4E-8030	5.5 / 7.5	38	30	NA	14.5	231	224	215	200	179	158	132									

Sr. No.	PUMP MODEL	Power Rating (kW/HP)	Outlet Size (mm)	STG	Full Load Current		GPM	7.9	15.9	19.8	23.8	27.7	31.7	39.6								
															LPM	30	60	75	90	105	120	150
					1 Ø	3 Ø																
				M ³ /Hr	1.8	3.6	4.5	5.4	6.3	7.2	9.0											
1	KS4F-2007	1.5 / 2	50	7	14	4.5	44	41	38	35	31	27	18									
2	KS4F-3010	2.2 / 3	50	10	19	6.5	63	59	55	50	44	39	25									
3	KS4F-4014	3 / 4	50	14	23	8.5	88	83	76	69	62	55	35									
4	KS4F-5018	3.7 / 5	50	18	30	10.0	113	106	98	89	79	70	45									
5	KS4F-6021	4.5/6	50	21	NA	12.0	132	124	114	104	92	82	53									
6	KS4F-8025	5.5 / 7.5	50	25	NA	14.5	158	148	136	124	110	98	63									

Sr. No.	PUMP MODEL	Power Rating (kW/HP)	Outlet Size (mm)	STG	Full Load Current		GPM	15.9	23.8	31.7	35.7	39.6	47.6	63.4								
															LPM	60	90	120	135	150	180	240
					1 Ø	3 Ø																
				M ³ /Hr	3.6	5.4	7.2	8.1	9.0	10.8	14.4											
1	KS4G-2008	1.5 / 2	50	8	14	4.5	52	48	42	39	36	29	14									
2	KS4G-3011	2.2 / 3	50	11	19	6.5	71	65	58	53	50	40	19									
3	KS4G-4015	3 / 4	50	15	23	8.5	97	89	80	73	68	55	26									
4	KS4G-5017	3.7 / 5	50	17	30	10.0	110	101	90	82	77	62	29									

Sr. No.	PUMP MODEL	Power Rating (kW/HP)	Outlet Size (mm)	STG	Full Load Current		GPM	15.9	31.7	47.6	63.4	79.3	95.1	111.0								
															LPM	60	120	180	240	300	360	420
					1 Ø	3 Ø																
				M ³ /Hr	3.6	7.2	10.8	14.4	18.0	21.6	25.2											
1	KS4H-2006	1.5 / 2	65	6	14	4.5	30	27	24	21	17	12	6									
2	KS4H-3007	2.2 / 3	65	7	19	6.5	35	32	28	24	20	14	7									
3	KS4H-3008	2.2 / 3	65	8	19	6.5	40	36	32	28	22	16	8									
4	KS4H-3009	2.2 / 3	65	9	19	6.5	45	41	36	31	25	18	9									
5	KS4H-4010	3 / 4																				