



Product Catalogue

KIRLOSKAR

KS 6/7/8 Submersible Pumps

Features

- Huge savings in electrical consumption
- Capability to withstand wide voltage fluctuations
- Operates equally well with Genset, great help during power cuts
- Non-overloading power characteristics protect the motor
- Water lubricated bearings for years of service
- Design of non-returnable valve reduces friction
- Minimum possible diameters for easier setting into the borewell
- Dynamically balanced rotating parts
- Nitril rubber bushes ensure long life of pump even in muddy water
- **CED coating cast iron components long life & rust free**



Material of Construction

Parts	KS 6"/7"/8"	KS 6"/7"/8"
Impeller	Bronze Gr LTB2 / 20% Glass Filled Noryl	Bronze Gr LTB2
Diffusers	20% Glass Filled Noryl	-
Pump Bowl	-	High Graded Cast Iron
Motor Casing	Stainless Steel	Stainless Steel
Pump Shaft	Stainless Steel	Stainless Steel
Motor Shaft	Stainless Steel	Stainless Steel

Applications

- Continuous water supply for farming application & irrigation projects
- Fire fighting application

Range

Head	: 5-306 metres
Discharge	: 2400-60 LPM
Motor Rating	: 2.2 kW- 33 kW (3.0 - 45.0 HP)
Borewell Size	: 150mm (6") 200mm (8")
Voltage Range	: 200 V - 440 V

Cable Selection Chart for 415 Volts, 50 Hz, 3 Phase Motors (Considering Ambient Temp. 50° & 3% Voltage Drop)

MOTOR RATING		FULL LOAD CURRENT (AMPS)	CABLE SIZE					
kW	HP		LENGTH OF CABLE IN METRES					
2.2	3.0	6.3	1.5	2.5	4.0	6.0	10.0	16.0
			87	145	230	-	-	-
3.7	5.0	9.3	63	100	160	238	-	-
4.5	6.0	11.8	47	78	125	185	300	-
5.5	7.5	14.5	41	68	107	158	262	-
7.5	10.0	18.0	-	51	80	120	200	297
9.3	12.5	22.5	-	-	65	97	160	253
11.0	15.0	26.0	-	-	56	84	137	216
12.9	17.5	32.5	-	-	-	-	110	175
15.0	20.0	36.5	-	-	-	-	98	155
18.5	25.0	39.0	-	-	-	-	93	150
22.0	30.0	45.0	-	-	-	-	81	130
25.7	35	52.0	-	-	-	-	70	112

Cable Size Selection for 3 Ø 150 MM Submersibles

Motor HP	Starting	Cable size recommended for upto 45 M Cable length	Cable size recommended for upto 70 M Cable length	Cable size recommended for upto 95 M Cable length
35.0	S/D	2x3x4mm ²	2x3x6mm ²	2x3x10mm ²
30.0	S/D	2x3x4mm ²	2x3x6mm ²	2x3x10mm ²
25.0	S/D	2x3x4mm ²	2x3x6mm ²	2x3x10mm ²
20.0	S/D	2x3x4mm ²	2x3x6mm ²	2x3x10mm ²
17.5	S/D	2x3x2.5mm ²	2x3x4mm ²	2x3x6mm ²
15.0	S/D	2x3x2.5mm ²	2x3x4mm ²	2x3x6mm ²
12.5	S/D	2x3x2.5mm ²	2x3x4mm ²	2x3x6mm ²
10.0	S/D	2x3x2.5mm ²	2x3x4mm ²	2x3x6mm ²
7.5	DOL	1x3x2.5mm ²	1x3x4mm ²	1x3x6mm ²
6.0	DOL	1x3x2.5mm ²	1x3x2.5mm ²	1x3x4mm ²
5.0	DOL	1x3x1.5mm ²	1x3x2.5mm ²	1x3x2.5mm ²
4.0	DOL	1x3x1.5mm ²	1x3x2.5mm ²	1x3x2.5mm ²
3.0	DOL	2x3x1.5mm ²	1x3x2.5mm ²	1x3x2.5mm ²

PERFORMANCE-150mm (6") Submersible

KS6 A Series PIPE SIZE: 50mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM				
	kW	HP	60	120	160	180	240
TOTAL HEAD IN METRES							
KS6A-0307	2.2	3.0	55	49	41	36	14
KS6A-0410	3.0	4.0	78	69	58	50	20
KS6A-0512	3.7	5.0	94	84	69	60	24
KS6A-0614	4.5	6.0	114	100	85	74	31
KS6A-0818	5.5	7.5	146	129	110	98	40
KS6A-1024	7.5	10.0	195	172	147	131	53

KS6 B Series PIPE SIZE: 50mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM					
	kW	HP	60	120	160	180	240	270
TOTAL HEAD IN METRES								
KS6B-0305	2.2	3.0	47	42	37	35	20	10
KS6B-0306	2.2	3.0	58	52	45	41	24	11
KS6B-0508	3.7	5.0	76	69	60	54	31	15
KS6B-0509	3.7	5.0	85	77	68	61	35	17
KS6B-0510	3.7	5.0	95	86	75	68	39	19
KS6B-0511	3.7	5.0	104	94	83	75	42	20
KS6B-0612	4.5	6.0	118	107	94	86	52	27
KS6B-0813	5.5	7.5	128	116	100	93	56	31
KS6B-0814	5.5	7.5	138	124	108	99	59	32
KS6B-0815	5.5	7.5	148	134	118	108	65	36
KS6B-1016	7.5	10.0	160	146	128	118	71	39
KS6B-1020	7.5	10.0	200	183	160	148	93	52
KS6B-1324	9.3	12.5	238	219	195	180	118	72
KS6B-1528	11.0	15.0	286	256	225	208	130	80
KS6B-1530	11.0	15.0	306	274	241	223	140	86
KS6B-0308N	2.2	3.0	76	69	60	54	31	15

KS6 C Series PIPE SIZE: 50mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM							
	kW	HP	120	180	240	300	360	420	480	510
TOTAL HEAD IN METRES										
KS6C-0404	3.0	4.0	39	37	34	31	26	20	13	9
KS6C-0504	3.7	5.0	39	37	34	31	26	20	13	9
KS6C-0505	3.7	5.0	49	46	43	38	32	25	17	12
KS6C-0606	4.5	6.0	61	58	53	48	41	33	23	17
KS6C-0807	5.5	7.5	72	68	63	56	49	39	27	20
KS6C-1009	7.5	10.0	94	89	82	74	63	50	35	26
KS6C-1010	7.5	10.0	104	98	91	83	73	60	43	32
KS6C-1312	9.3	12.5	126	119	110	100	87	70	49	38
KS6C-1515	11.0	15.0	157	148	137	122	105	86	60	46
KS6C-1817	13.0	17.5	178	169	155	139	120	97	68	53
KS6C-2020	15.0	20.0	210	198	182	164	142	114	80	61

KS6 D Series PIPE SIZE: 65mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM					
	kW	HP	120	240	360	480	600	650
TOTAL HEAD IN METRES								
KS6D-0303N	2.2	3.0	31	28.5	24	17.5	9	5
KS6D-0404N	3.0	4.0	42	38.5	33	24	13	9.5
KS6D-0606N	4.5	6.0	58.5	54	45.5	32.5	15.5	7.5

KS6 D Series PIPE SIZE: 65mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM						
	kW	HP	120	240	360	420	480	600	690
TOTAL HEAD IN METRES									
KS6D-0302	2.2	3.0	21	21	19	18	16	11	6
KS6D-0504	3.7	5.0	43	42	38	36	33	23	12
KS6D-0605	4.5	6.0	54	53	49	45	41	29	16
KS6D-0806	5.5	7.5	66	64	59	56	51	37	20
KS6D-1008	7.5	10.0	89	86	80	75	68	48	28
KS6D-1310	9.3	12.5	112	108	101	94	87	63	36
KS6D-1512	11.0	15.0	133	128	120	111	102	73	43
KS6D-1814	13.0	17.5	155	151	140	131	120	86	48
KS6D-2016	15.0	20.0	177	172	160	150	137	98	55

KS6 E Series PIPE SIZE: 65mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM						
	kW	HP	120	180	240	300	360	420	480
TOTAL HEAD IN METRES									
KS6E-0504	3.7	5.0	44	41	38	34	29	21	9
KS6E-0505	3.7	5.0	55	52	40	43	36	26	11
KS6E-0606	4.5	6.0	68	64	59	54	45	32	13
KS6E-0807	5.5	7.5	80	75	70	63	54	42	21
KS6E-0808	5.5	7.5	91	86	80	72	62	46	21
KS6E-1010	7.5	10.0	117	110	102	92	78	58	30
KS6E-1313	9.3	12.5	154	145	134	121	104	79	42
KS6E-1515	11.0	15.0	178	168	156	142	121	91	47
KS6E-1818	13.0	17.5	212	201	186	169	143	106	58
KS6E-2020	15.0	20.0	236	221	205	187	158	122	64

KS6 F Series PIPE SIZE: 80mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM							
	kW	HP	240	360	480	600	720	840	960	1080
TOTAL HEAD IN METRES										
KS6F-0302	2.2	3.0	20	18	16	14	11	9	7	5
KS6F-0503	3.7	5.0	30	27	24	21	18	14	11	6
KS6F-0604	4.5	6.0	39	36	32	29	24	20	15	9
KS6F-0804	5.5	7.5	41	38	34	31	26	21	16	11
KS6F-1006	7.5	10.0	63	57	51	45	38	33	24	16
KS6F-1308	9.3	12.5	85	78	70	61	53	44	34	24
KS6F-1509	11.0	15.0	96	88	79	70	60	49	38	27
KS6F-1811	13.0	17.5	118	108	91	86	73	61	46	32
KS6F-2013	15.0	20.0	139	127	114	101	86	70	54	37

KS6 G Series PIPE SIZE: 100mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM					
	kW	HP	240	480	720	840	960	1200
TOTAL HEAD IN METRES								
KS6G-0502	3.7	5.0	22	19	17	15	13	7
KS6G-0603	4.5	6.0	35	31	26	24	21	12
KS6G-0804	5.5	7.5	47	4	35	32	28	16
KS6G-1005	7.5	10.0	60	52	45	41	36	21
KS6G-1306	9.3	12.5	72	63	54	49	43	25
KS6G-1507	11.0	15.0	85	74	64	58	51	30
KS6G-1808	13.0	17.5	96	84	72	66	58	35
KS6G-2009	15.0	20.0	108	95	82	74	65	38

Performance-175 mm (7") Submersible

KS7 A Series

PIPE SIZE: 100mm

PUMP MODEL	MODEL RATING		DISCHARGE IN LITRES PER MINUTE					
	kW	HP	360	600	840	1200	1440	1680
			TOTAL HEAD IN METRES					
KS7A-0401	4.0	3.0	15	13	12	10	8	5
KS7A-0802	7.5	5.5	30	26	24	20	16	10
KS7A-0803	7.5	5.5	40	35	32	27	21	13
KS7A-1003	10.0	7.5	45	39	36	30	24	15
KS7A-1304	12.5	9.3	56	49	45	38	30	19
KS7A-1505	15.0	11.1	71	61	56	47	38	24
KS7A-1806	17.5	12.5	85	73	65	56	45	28
KS7A-2007	20.0	15.0	99	86	79	66	53	33

Performance chart for KS 7P Pumps

PIPE SIZE: 100 mm

PUMP MODEL	POWER RATING		FULL LOAD CURRENT (AMPS)	RATED VOLTAGE (V)	DISCHARGE IN LITRES PER MINUTE							
	kW	HP			240	480	720	960	1200	1440	1680	1920
					TOTAL HEAD IN METRES							
KS7P-0602	4.5	6.0	11.8	415	25	23	19	18	16	13	7	3
KS7P-0802	5.5	7.5	14.5	415	28	26	24	22	18	15	13	3
KS7P-0803	5.5	7.5	14.5	415	31	27	25	23	19	16	8	3
KS7P-1003	7.5	10.0	18.0	415	40	37	34	30	25	21	15	3
KS7P-1004	7.5	10.0	18.0	415	40	36	34	31	27	23	13	3

Performance chart for KS8 A Pumps

PIPE SIZE: 100 mm

PUMP MODEL	MODEL RATING		DISCHARGE IN LITRES PER MINUTE							
	kW	HP	300	600	900	1200	1350	1500	1650	1800
			TOTAL HEAD IN METRES							
KS8A-0602	4.5	6.0	24	22	20	17	147	11	-	-
KS8A-0801	5.5	7.5	23	22	21	19	18	16	14	11
KS8A-1002	7.5	10.0	35	33	30	26	24	21	18	14
KS8A-1003	7.5	10.0	36	34	30	25	22	17	10	-
KS8A-1302	9.3	12.5	41	39	36	32	29	26	22	16
KS8A-1502	11.0	15.0	46	44	42	38	35	31	26	21
KS8A-1803	13.0	17.5	53	50	46	40	36	31	25	18
KS8A-2003	15.0	20.0	59	57	53	47	43	38	31	24
KS8A-2004	15.0	20.0	70	66	60	52	48	42	36	28
* Above models can be made available with both 8" and 6" Motors.										
KS8A-2504	18.5	25.0	83	79	71	61	55	46	36	26
KS8A-3004	22.0	30.0	94	88	82	72	65	58	48	37
KS8A-3505	25.7	35.0	118	110	102	90	82	73	61	48
* Above models can be made available with 8" Motors only.										

Performance chart for KS8B Pumps

PIPE SIZE: 125mm

PUMP MODEL	MODEL RATING		DISCHARGE IN LITRES PER MINUTE							
	kW	HP	300	600	900	1200	1500	1800	2100	2400
			TOTAL HEAD IN METRES							
KS8B-1002	7.5	10.0	30	27	24	21	18	14	9	-
KS8B-1302	9.3	12.5	38	36	33	29	25	21	17	12
KS8B-1502	11.0	15.0	40	38	36	34	31	28	24	19
KS8B-1802	13.0	17.5	42	41	38	35	32	29	26	23
KS8B-2003	15.0	20.0	57	54	49	44	38	31.5	25	17
* Above models can be made available with both 8" and 6" Motors.										
KS8B-2502	18.5	25.0	53	51	48	45	42	39	35	30
KS8B-3503	25.7	35.0	76	74	71	66	61	56	51	45
KS8B-4504	33.0	45.0	99	97	93	86	80	73	67	59
KS8B-4505	33.0	45.0	105	101	95	88	80	73	65	56
* Above models can be made available with 8" Motors only.										

Performance chart for KS8P Pumps

PIPE SIZE: 100 mm

PUMP MODEL	POWER RATING		FULL LOAD CURRENT (AMPS)	RATED VOLTAGE (V)	DISCHARGE IN LITRES PER MINUTE								
	kW	HP			240	480	720	960	1200	1440	1680	1920	2160
					TOTAL HEAD IN METRES								
KS8P-0601	4.5	6.0	11.8	415	19	19	17	17	15	13	11	9	5
KS8P-0801	5.5	7.5	14.5	415	20	19	19	18	17	16	13	11	7
KS8P-0802	5.5	7.5	14.5	415	28	26	24	22	19	16	11	7	-
KS8P-1002	7.5	10.0	19.5	415	37	34	32	30	26	23	18	13	6
KS8P-1003	7.5	10.0	19.5	415	42	39	36	32	29	24	17	11	-
KS8P-1302	9.3	12.5	25.0	415	38	37	34	33	30	26	22	18	9
KS8P-1303	9.3	12.5	25.0	415	42	39	37	34	31	23	15	10	4
KS8P-1304	9.3	12.5	25.0	415	55	50	46	42	37	30	22	12	-
KS8P-1502	11.0	15.0	26.0	415	40	39	37	35	34	31	26	21	13
KS8P-1503	11.0	15.0	26.0	415	51	49	47	46	41	36	30	20	10
KS8P-1504	11.0	15.0	26.0	415	56	52	48	43	38	32	22	14	-
KS8P-1803	13.0	17.5	32.5	415	57	56	51	50	45	39	33	27	14
KS8P-1804	13.0	17.5	32.5	415	68	63	59	53	48	42	33	22	8
KS8P-2003	15.0	20.0	36.0	415	62	59	56	53	50	45	40	32	20
KS8P-2004	15.0	20.0	36.5	415	74	68	63	59	52	46	36	26	12
KS8P-2503	18.5	25.0	39.0	415	64	61	59	56	53	49	43	35	24
KS8P-2504	18.5	25.0	39.0	415	76	74	68	66	60	52	44	36	18
KS8P-2505	18.5	25.0	39.0	415	93	85	79	74	65	58	45	33	15

Note: Performance applicable to liquid of specific gravity 1 and viscosity as of water.