Enriching Lives

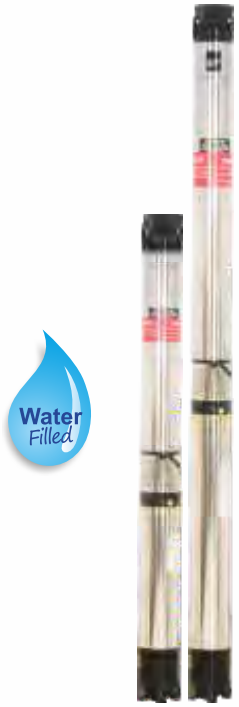
SUBMERSIBLE
PRODUCT RANGE

BOREWELL SUBMERSIBLE
3"& 4" WATER FILLED PUMPSET

Enriching Lives

KS3

3" BOREWELL SUBMERSIBLE PUMPS



FEATURES

Wide Voltage Design
The motor is designed to withstand wide voltage fluctuations from 160 to 240 volts and reduces motor burning in low voltage.

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.

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.

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.

Advanced Water Cooled Motors Designs
The motor is filled with potable water, protects from overheating and facilitates smoother and trouble free operation for the years.

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.

Easy Maintainable Designs
Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

TECHNICAL SPECIFICATION

Head Range	:	Upto 131 meters
Discharge Range	:	Upto 72 LPM / 4.3 m^3/h
Power Ratings	:	0.37 to 1.1 kW (0.5 to 1.5 HP)
Voltage Range	:	160 to 240 Volts (Single Phase)
Type of Cooling	:	Water Filled
Protection	:	IP 68
Insulation	:	B Class
Thrust Bearing	:	Carbon + Stainless Steel

MATERIAL OF CONSTRUCTION

Pump Housing	:	Stainless Steel
Pump Shaft	:	Stainless Steel
Motor Housing	:	Stainless Steel
Motor Shaft	:	Stainless Steel
Thrust Bearing	:	Carbon + Stainless Steel
Motor/Pump Bushes	:	Gun Metal
Impeller	:	Noryl
Diffuser	:	Noryl
NRV	:	Cast Iron
Suction	:	Cast Iron

APPLICATIONS

- Domestic and community water supply.
- Rural water supply.
- Gardening and small farm irrigation.
- Construction site.
- Water supplies for high rise building.

PERFORMANCE CHART FOR 75 MM (3") BOREWELL SUBMERSIBLE PUMPSETS - KS3 HIGH HEAD SERIES AT RATED VOLTAGE OF 220 VOLTS, SINGLE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	9	14	18	23	27	32	40
		kW	HP				m^3/h	0	0.5	0.8	1.1	1.4	1.6	1.9	2.4
1	KS3A-1024	0.75	1.00	24	32	7.8	Head in Meters	90	83	78	73	67	59	50	22
2	KS3A-1330	0.93	1.25	30	32	9.7		113	104	98	91	84	74	63	28
3	KS3A-1538	1.10	1.50	38	32	11.7		143	131	124	116	106	93	79	35

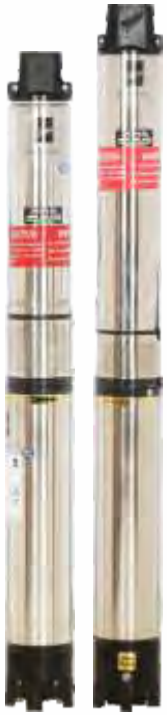
PERFORMANCE CHART FOR 75 MM (3") BOREWELL SUBMERSIBLE PUMPSETS - KS3D SERIES AT RATED VOLTAGE OF 220 VOLTS, SINGLE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	26	33	40	46	53	60	72
		kW	HP				m^3/h	0	1.6	2	2.4	2.8	3.2	3.6	4.3
1	KS3D-0507	0.37	0.50	07	32	4.4	Head in Meters	29	25	23	21	20	16	11	7
2	KS3D-0811	0.55	0.75	11	32	6.0		45	39	36	33	31	25	18	12
3	KS3D-1015	0.75	1.00	15	32	7.8		62	53	49	45	42	34	24	16
4	KS3D-1318	0.93	1.25	18	32	9.7		74	64	59	54	50	41	29	19
5	KS3B-1522	1.1	1.50	22	32	11.7		90	75	67	61	53	44	32	21

PERFORMANCE CHART FOR 75 MM (3") BOREWELL SUBMERSIBLE PUMPSETS - KS3E SERIES AT RATED VOLTAGE OF 220 VOLTS, SINGLE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	25	33	42	50	56	62	68
		kW	HP				m^3/h	0	1.5	2.0	2.5	3.0	3.4	3.7	4.1
1	KS3E-0505	0.37	0.50	05	32	4.4	Head in Meters	19	16	16	14	12	10	9	8
2	KS3E-0810	0.55	0.75	10	32	6.0		39	33	31	27	24	21	18	16
3	KS3E-1012	0.75	1.00	12	32	7.8		46	39	38	33	29	25	21	19
4	KS3E-1014	0.75	1.00	14	32	7.8		54	46	44	38	34	29	25	22
5	KS3E-1316	0.93	1.25	16	32	9.7		62	53	50	43	39	33	29	25

Enriching Lives

KS4

4" BOREWELL SUBMERSIBLE PUMPS



Water Filled

FEATURES

Wide Voltage Design
The motor is designed to withstand wide voltage fluctuations from 280 to 440 volts and reduces motor burning in low voltage.

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.

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.

Advanced Water Cooled Motors Designs
The motor is filled with potable water, protects from overheating and facilitates smoother and trouble free operation for the years.

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.

CED – Cathodic Electro Deposition
CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps coming in contact with the water are CED coated.

TECHNICAL SPECIFICATION

Head Range	:	Upto 351 meters
Discharge Range	:	Upto 420 LPM
Power Ratings	:	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)
Type of Cooling	:	Water Filled
Insulation	:	B Class
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

Pump Housing	:	Stainless Steel
Pump Shaft	:	Stainless Steel
Motor Housing	:	Stainless Steel
Motor Shaft	:	Stainless Steel
Thrust Bearing	:	Carbon +SS
Motor/Pump Bushes	:	Gun Metal
Impeller	:	Noryl
Diffuser	:	Noryl
NRV	:	Cast Iron
Suction	:	Cast Iron

APPLICATIONS

- Domestic and community water supply.
- Rural water supply.
- Gardening and small farm irrigation.
- Construction Site.
- Water supplies for high rise building.

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - AN SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	6	18	24	30	36	42	48
		kW	HP			1Ø	3Ø	m^3/h	0	0.4	1.1	1.4	1.8	2.2	2.5	2.9
1	KS4AN-0507	0.37	0.50	07	32	5.3	2.8	Head in Meters	49	46	44	42	39	35	30	25
2	KS4AN-0810	0.55	0.75	10	32	6.2	2.8		70	65	63	60	55	50	43	36
3	KS4AN-1014	0.75	1.00	14	32	7.5	3.0		98	91	88	84	77	70	60	50
4	KS4AN-1016	0.75	1.00	16	32	7.5	3.0		112	104	101	96	88	80	69	58
5	KS4AN-1518	1.10	1.50	18	32	10.5	4.0		126	117	113	108	99	90	77	65
6	KS4AN-1520	1.10	1.50	20	32	10.5	4.0		140	130	126	120	110	100	86	72
7	KS4AN-2025	1.50	2.00	25	32	13.8	4.8		175	163	158	150	138	125	108	90
8	KS4AN-2030	1.50	2.00	30	32	13.8	4.8		210	195	189	180	165	150	129	108
9	KS4AN-3034	2.20	3.00	34	32	19.8	6.9		238	221	214	204	187	170	146	122
10	KS4AN-3037	2.20	3.00	37	32	19.8	6.9		259	241	233	222	204	185	159	133
11	KS4AN-3040	2.20	3.00	40	32	19.8	6.9		280	260	252	240	220	200	172	144

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - BN SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	15	24	30	36	45	60	66
		kW	HP			1Ø	3Ø	m^3/h	0	0.9	1.4	1.8	2.2	2.7	3.6	4.0
1	KS4BN-0506	0.37	0.50	06	32	5.3	2.8	Head in Meters	44	41	38	34	30	23	11	5
2	KS4BN-0809	0.55	0.75	09	32	6.2	2.8		67	62	57	51	45	34	16	7
3	KS4BN-1010	0.75	1.00	10	32	7.5	3.0		74	69	63	57	50	38	18	8
4	KS4BN-1012	0.75	1.00	12	32	7.5	3.0		89	83	76	68	60	46	22	10
5	KS4BN-1515	1.10	1.50	15	32	10.5	4.0		111	104	95	86	75	57	27	12
6	KS4BN-1516	1.10	1.50	16	32	10.5	4.0		118	110	101	91	80	61	29	13
7	KS4BN-1517	1.10	1.50	17	32	10.5	4.0		126	117	107	97	85	65	31	14
8	KS4BN-2020	1.50	2.00	20	32	13.8	4.8		148	138	126	114	100	76	36	16
9	KS4BN-2022	1.50	2.00	22	32	13.8	4.8		163	152	139	125	110	84	40	18
10	KS4BN-3030	2.20	3.00	30	32	19.8	6.9		222	207	189	171	150	114	54	24
11	KS4BN-3035	2.20	3.00	35	32	19.8	6.9		259	242	221	200	175	133	63	28
12	KS4BN-4045	3.00	4.00	45	32	23	9.0		333	311	284	257	225	171	81	36
13	KS4BN-5050	3.70	5.00	50	32	30	10.6		370	345	315	285	250	190	90	40

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - C SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY																
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	15	30	45	53	60	75	90
		kW	HP			1Ø	3Ø	m^3/h	0	0.9	1.8	2.7	3.2	3.6	4.5	5.4
1	KS4C-0806	0.55	0.75	06	38	6.2	2.8	Head in Meters	49	47	45	40	36	33	25	16
2	KS4C-1009	0.75	1.00	09	38	7.5	3.0		73	70	68	59	54	50	37	23
3	KS4C-1510	1.10	1.50	10	38	10.5	4.0		81	78	75	66	60	55	41	26
4	KS4C-1512	1.10	1.50	12	38	10.5	4.0		97	94	90	79	72	66	49	31
5	KS4C-2014	1.50	2.00	14	38	13.8	4.8		113	109	105	92	84	77	57	36
6	KS4C-2016	1.50	2.00	16	38	13.8	4.8		130	125	120	106	96	88	66	42
7	KS4C-3020	2.20	3.00	20	38	19.8	6.9		162	156	150	132	120	110	82	52
8	KS4C-3022	2.20	3.00	22	38	19.8	6.9		178	172	165	145	132	121	90	57
9	KS4C-4030	3.00	4.00	30	38	23	9.0		243	234	225	198	180	165	123	78
10	KS4C-5035	3.70	5.00	35	38	30	10.6		284	273	263	231	210	193	144	91
11	KS4C-5038	3.70	5.00	38	38	30	10.6		308	296	285	251	228	209	156	99
12	KS4C-6045	4.50	6.00	45	38	NA	12.6		365	351	338	297	270	248	185	117

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - D SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY																
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	30	45	60	69	75	90	105
		kW	HP			1Ø	3Ø	m^3/h	0	1.8	2.7	3.6	4.1	4.5	5.4	6.3
1	KS4D-1509	1.10	1.50	09	38	10.5	4.0	Head in Meters	72	66	58	47	41	34	22	9
2	KS4D-2010	1.50	2.00	10	38	13.8	4.8		80	73	64	52	45	38	24	10
3	KS4D-3015	2.20	3.00	15	38	19.8	6.9		120	110	96	78	68	57	36	15
4	KS4D-3017	2.20	3.00	17	38	19.8	6.9		136	124	109	88	77	65	41	17
5	KS4D-4021	3.00	4.00	21	38	23	9.0		168	153	134	109	95	80	50	21
6	KS4D-5025	3.70	5.00	25	38	30	10.6		200	183	160	130	113	95	60	25
7	KS4D-5027	3.70	5.00	27	38	30	10.6		216	197	173	140	122	103	65	27
8	KS4D-6032	4.50	6.00	32	38	NA	12.6		256	234	205	166	144	122	77	32
9	KS4D-8040	5.50	7.50	40	38	NA	15.5		320	292	256	208	180	152	96	40

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - E SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	30	45	60	80	90	105	120
		kW	HP			1Ø	3Ø	m^3/h	0	1.8	2.7	3.6	4.5	5.4	6.3	7.2
1	KS4E-1004	0.75	1.00	04	38	7.5	3.0	Head in Meters	33	31	30	29	24	22	21	18
2	KS4E-1506	1.10	1.50	06	38	10.5	4.0		49	46	45	43	36	33	32	26
3	KS4E-2008	1.50	2.00	08	38	13.8	4.8		65	62	60	57	48	44	42	35
4	KS4E-3012	2.20	3.00	12	38	19.8	6.9		98	92	89	86	71	66	63	53
5	KS4E-4016	3.00	4.00	16	38	23	9.0		130	123	119	114	95	88	84	70
6	KS4E-5020	3.70	5.00	20	38	30	10.6		163	154	149	143	119	110	105	88
7	KS4E-5021	3.70	5.00	21	38	30	10.6		171	162	156	150	125	116	110	92
8	KS4E-6025	4.50	6.00	25	38	NA	12.6		203	193	186	179	149	138	131	110
9	KS4E-8030	5.50	7.50	30	38	NA	15.5		244	231	224	215	179	165	158	132

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - F SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	30	60	75	90	105	120	150
		kW	HP			1Ø	3Ø	m^3/h	0.0	1.8	3.6	4.5	5.4	6.3	7.2	9.0
1	KS4F-2007	1.50	2.00	07	50	13.8	4.8	Head in Meters	55	53	48	43	41	35	31	18
2	KS4F-3010	2.20	3.00	10	50	19.8	6.9		78	76	68	62	58	50	44	25
3	KS4F-4014	3.00	4.00	14	50	23	9.0		110	106	95	87	82	70	62	35
4	KS4F-5018	3.70	5.00	18	50	30	10.6		141	137	122	112	105	90	79	45
5	KS4F-6021	4.50	6.00	21	50	NA	12.6		165	160	143	130	123	105	92	53
6	KS4F-8025	5.50	7.50	25	50	NA	15.5		196	190	170	155	146	125	110	63

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - G SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	60	90	120	150	170	180	240
		kW	HP			1Ø	3Ø	m^3/h	0	3.6	5.4	7.2	9.0	10.2	10.8	14.4
1	KS4G-2008	1.50	2.00	08	50	13.8	4.8	Head in Meters	54	52	48	42	36	31	29	14
2	KS4G-3011	2.20	3.00	11	50	19.8	6.9		74	71	65	58	50	42	40	19
3	KS4G-4015	3.00	4.00	15	50	23	9.0		101	97	89	80	68	57	55	26
4	KS4G-5017	3.70	5.00	17	50	30	10.6		115	110	101	90	77	65	62	29

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - H SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	60	120	180	240	300	360	420
		kW	HP			1Ø	3Ø	m^3/h	0	3.6	7.2	10.8	14.4	18.0	21.6	25.2
1	KS4H-2006	1.50	2.00	06	50/65	13.8	4.8	Head in Meters	32	30	27	24	21	17	12	6
2	KS4H-3007	2.20	3.00	07	50/65	19.8	6.9		38	35	32	28	24	20	14	7
3	KS4H-3008	2.20	3.00	08	50/65	19.8	6.9		43	40	36	32	28	22	16	8
4	KS4H-3009	2.20	3.00	09	50/65	19.8	6.9		48	45	41	36	31	25	18	9
5	KS4H-4010	3.00	4.00	10	50/65	23	9.0		54	50	46	40	35	28	20	10
6	KS4H-4011	3.00	4.00	11	50/65	23	9.0		59	55	50	44	38	31	22	11
7	KS4H-5012	3.70	5.00	12	50/65	30	10.6		64	60	55	48	41	34	24	12
8	KS4H-5014	3.70	5.00	14	50/65	30	10.6		75	70	64	56	48	39	28	14
9	KS4H-6015	4.50	6.00	15	50/65	NA	12.6		80	75	68	60	52	42	30	15
10	KS4H-8020	5.50	7.50	20	50/65	NA	15.5		107	100	91	80	69	56	40	20

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - HF SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	60	90	120	150	180	210	240
		kW	HP			1Ø	3Ø	m^3/h	0	3.6	5.4	7.2	9.0	10.8	12.6	14.4
1	KS4HF-2010	1.50	2.00	10	50	13.8	4.8	Head in Meters	64	60	55	50	42	32	24	12
2	KS4HF-3015	2.20	3.00	15	50	29.8	6.9		96	90	83	75	63	48	36	18

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - HF SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	20	40	60	90	120	150	170
		kW	HP			1Ø	3Ø	m^3/h	0	1.2	2.4	3.6	5.4	7.2	9.0	10.2
1	KS4HF-5025	3.70	5.00	25	50	30.0	10.6	Head in Meters	192	188	178	166	140	105	60	23

PERFORMANCE CHART OF 100 MM (4") WATER FILLED SUBMERSIBLE PUMP AN SERIES AT 50Hz FREQUENCY , 200 VOLTS RATED VOLTAGE FOR SINGLE PHASE & 415 VOLTS RATED VOLTAGE FOR THREE PHASE														
S. No.	Model	Power Rating (kW/HP)	Pipe Size (mm)	No of Stages	Full Load Current - 1Ø (Amp)	Full Load Current - 1Ø (Amp)	lpm	0	6	18	24	30	36	42
							l/s	0	0.1	0.3	0.4	0.5	0.6	0.7
							m^3/Hr	0	0.4	1.1	1.4	1.8	2.2	2.5
1	KS4HH - 1020	0.75 / 1.0	32	20	9.0	3.0	Head in Meters	138	130	126	105	95	80	56
2	KS4HH - 1525	1.1 / 1.5	32	25	12.6	4.0		174	163	158	131	119	100	70

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - BIGFLOW SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE VOLTS - 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Del. Size (mm)	Rated Current (Ampere) 1PH	LPM	0	15.0	30.0	45.0	60.0	75.0	90.0	105.0
		kW	HP				m^3/h	0	0.9	1.8	2.7	3.2	4.5	5.4	6.3
1	BIGFLOW 1008	0.75	1.0	08	38	8.0	Head in Meters	64	61	58	52	43	32	18	6
2	BIGFLOW 1010	0.75	1.0	10	38	8.0		80	76	72	65	54	40	23	8

Enriching Lives

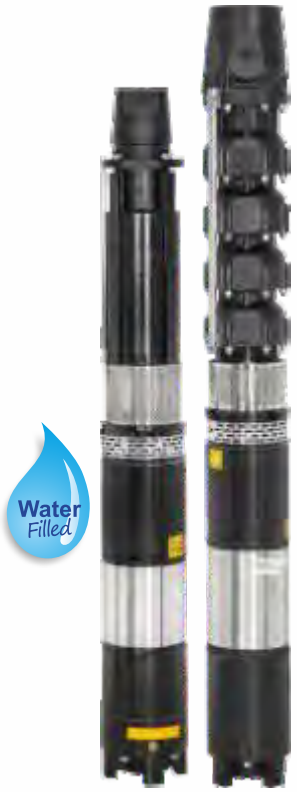
SUBMERSIBLE
PRODUCT RANGE

BOREWELL SUBMERSIBLE PUMP
(6", 7", 8" and 9")

Enriching Lives

KS6

6" BOREWELL SUBMERSIBLE PUMPS



FEATURES

Wide Voltage Motor Designs with Copper Rotor
Motors are designed with extra overload capacities, more water spaces and engineered with 99.9% 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 % electro Grade Cooper 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 – Cathodic Electro Deposition
CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps coming in contact with the water are CED coated.

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.

TECHNICAL SPECIFICATION

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

*Under ideal condition with suitable cable size.

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.

Enriching Lives

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - KS6B SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump 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	0.0	3.6	7.2	9.6	10.8	14.4	16.2	18.0
1	KS6B-0305	2.2	3.0	5	50	6.5	Head in Meters	48	46	44	41	38	26	20	7
2	KS6B-0306	2.2	3.0	6	50	6.5		57	55	53	49	45	31	24	8
3	KS6B-0508	3.7	5.0	8	50	10.0		76	74	70	66	60	42	32	11
4	KS6B-0509	3.7	5.0	9	50	10.0		86	83	79	74	68	47	36	12
5	KS6B-0510	3.7	5.0	10	50	10.0		95	92	88	82	75	52	40	13
6	KS6B-0511	3.7	5.0	11	50	10.0		105	101	97	90	83	57	44	15
7	KS6B-0612	4.5	6.0	12	50	12.0		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	19.5		153	147	141	131	120	83	64	21
12	KS6B-1020	7.5	10.0	20	50	19.5		191	184	176	164	150	104	80	27
13	KS6B-1324	9.3	12.5	24	50	25.0		229	221	211	197	180	125	96	32
14	KS6B-1530	11.0	15.0	30	50	29.0		286	276	264	246	225	156	120	40

RADIAL FLOW PUMPS

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - KS6C' SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	60	120	180	240	300	360	420
		kW	HP			3Ø	m^3/h	0.0	3.6	7.2	10.8	14.4	18.0	21.6	25.2
1	KS6C'-0303	2.2	3.0	3	50	6.5	Head in Meters	34	33	32	30	27	21	17	8
2	KS6C'-0405	3.0	4.0	5	50	8.5		57	55	53	50	44	35	28	14
3	KS6C'-0506	3.7	5.0	6	50	10.0		68	66	63	60	53	42	33	17
4	KS6C'-0607	4.5	6.0	7	50	12.0		79	77	74	70	62	49	39	19
5	KS6C'-0808	5.5	7.5	8	50	14.5		91	88	84	80	71	56	44	22
6	KS6C'-0809	5.5	7.5	9	50	14.5		102	100	95	90	80	63	50	25
7	KS6C'-0810	5.5	7.5	10	50	14.5		113	111	106	100	89	69	56	28
8	KS6C'-1011	7.5	10.0	11	50	19.5		125	122	116	110	98	76	61	31
9	KS6C'-1012	7.5	10.0	12	50	19.5		136	133	127	120	107	83	67	33
10	KS6C'-1313	9.3	12.5	13	50	25.0		147	144	137	130	116	90	72	36
11	KS6C'-1315	9.3	12.5	15	50	25.0		170	166	158	150	133	104	83	42
12	KS6C'-1516	11.0	15.0	16	50	29.0		181	177	169	160	142	111	89	44
13	KS6C'-1518	11.0	15.0	18	50	29.0		204	199	190	180	160	125	100	50
14	KS6C'-1820	13.0	17.5	20	50	34.0		227	221	211	200	178	139	111	56
15	KS6C'-2024	15.0	20.0	24	50	39.0		272	265	253	240	213	167	133	67

Kirloskar
Enriching Lives

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS (RADIAL FLOW) KS6C SERIES AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump 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	0.0	6	12	15	18	21	24	27
1	KS6C-0302	2.2	3	2	50	6.5	Head in Meters	24	23	21	20	18	16	13	10
2	KS6C-0505	3.7	5.0	5	50	10.0		60	59	53	50	45	40	34	26
3	KS6C-0606	4.5	6.0	6	50	12.0		71	70	63	59	54	47	40	31
4	KS6C-0807	5.5	7.5	7	50	14.5		83	82	74	69	63	55	47	36
5	KS6C-0808	5.5	7.5	8	50	14.5		95	94	84	79	72	63	54	42
6	KS6C-0810	5.5	7.5	10	50	14.5		119	117	105	99	90	79	67	52
7	KS6C-1009	7.5	10.0	9	50	19.5		107	105	95	89	81	71	60	47
8	KS6C-1010	7.5	10.0	10	50	19.5		119	117	105	99	90	79	67	52
9	KS6C-1311	9.3	12.5	11	50	25.0		131	129	116	109	99	87	74	57
10	KS6C-1312	9.3	12.5	12	50	25.0		143	140	126	119	108	95	80	62
11	KS6C-1515	11.0	15.0	15	50	29.0		179	176	158	149	135	119	101	78
12	KS6C-1817	13.0	17.5	17	50	34.0		202	199	179	168	153	134	114	88
13	KS6C-2018	15.0	20.0	18	50	39.0		214	211	189	178	162	142	121	94
14	KS6C-2020	15.0	20.0	20	50	39.0		238	234	210	198	180	158	134	104

MIX FLOW PUMPS

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - KS6DN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump 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	0.0	12.0	18.0	21.0	24.0	27.0	30.0	36.0
1	KS6DN-0504	3.7	5.0	4	65	9.3	Head in Meters	51	48	45	43	39	36	31	19
2	KS6DN-0505	3.7	5.0	5	65	9.3		64	59	56	53	49	45	39	23
3	KS6DN-0806	5.5	7.5	6	65	14.5		77	71	68	64	59	54	47	28
4	KS6DN-1008	7.5	10.0	8	65	18.0		103	95	90	85	79	72	63	38
5	KS6DN-1310	9.3	12.5	10	65	22.5		128	119	113	106	98	89	78	47
6	KS6DN-1512	11.0	15.0	12	65	26.0		154	143	135	128	118	107	94	56
7	KS6DN-1814	13.0	17.5	14	65	32.5		180	166	158	149	137	125	109	66
8	KS6DN-2016	15.0	20.0	16	65	36.5		206	190	180	170	157	143	125	75

MIX FLOW PUMPS

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - KS6EA SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump 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	50.4	54.0
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

MIX FLOW PUMPS

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - KS6F SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump 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	54.0	60.0
1	KS6F-0503	3.7	5	3	80	10	Head in Meters	39	29	26	23	21	18	15	10
2	KS6F-0604	4.5	6	4	80	12		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	19.5		77	58	52	46	40	35	29	20
5	KS6F-1308	9.3	12.5	8	80	25		103	77	69	61	53	47	39	27
6	KS6F-1509	11	15	9	80	29		116	87	78	69	60	53	44	30
7	KS6F-1811	13	17.5	11	80	34		141	106	95	84	73	64	53	37
8	KS6F-2013	15	20	13	80	39		167	126	113	100	87	76	63	43

MIX FLOW PUMPS

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - KS6G SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump 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	57.6	72.0
1	KS6G-0502R	3.7	5	2	100	10.0	Head in Meters	25	24	22	20	16	15	12	7
2	KS6G-0603R	4.5	6.0	3	100	12.0		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	19.5		64	60	56	51	41	36	30	16
5	KS6G-1306R	9.3	12.5	6	100	25.0		76	72	67	61	49	44	36	20
6	KS6G-1507R	11.0	15.0	7	100	29.0		89	84	78	71	57	51	42	23
7	KS6G-1808R	13.0	17.5	8	100	34.0		102	96	89	81	65	58	48	26
8	KS6G-2010R	15.0	20.0	10	100	39.0		127	120	111	101	81	73	60	33

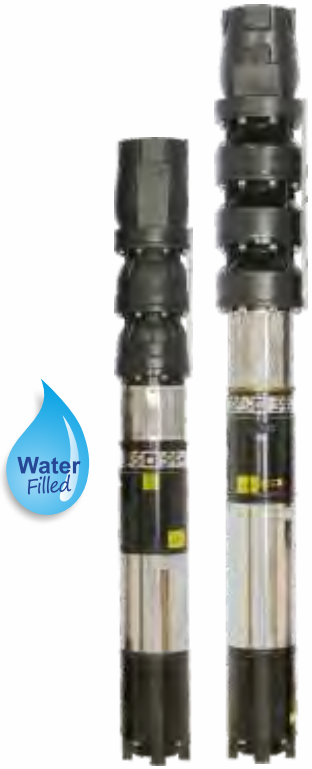
MIX FLOW PUMPS

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - KS6J SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump 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	80.4	92.4
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	19.5		48	45	41	37	32	27	21	14
3	KS6J-1305	9.3	12.5	5	100	25.0		61	56	52	47	40	34	27	18
4	KS6J-1506	11.0	15.0	6	100	29.0		73	67	62	56	48	40	32	21
5	KS6J-1807	13.0	17.5	7	100	34.0		85	78	72	65	56	47	37	25
6	KS6J-2008	15.0	20.0	8	100	39.0		97	90	82	74	64	54	42	28
7	KS6J-2510	18.3	25.0	10	100	48.0		121	112	103	93	80	67	53	35

Enriching Lives

KS7

7" BOREWELL SUBMERSIBLE PUMPS



FEATURES

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

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

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Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

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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.

TECHNICAL SPECIFICATION

Head Range	:	Upto 81 meters
Discharge Range	:	Upto 2100 LPM
Power Rating	:	4.5 to 18.5 kW (6 to 25 HP)
Voltage Range	:	280 to 440 Volts (Three Phase)
Insulation	:	B Class
Type of Cooling	:	Water Filled
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

Impeller	:	Stainless Steel
Bowl / Stage Casing	:	Cast Iron
Pump Shaft	:	Stainless Steel
Motor Body	:	Stainless Steel
Motor Shaft	:	Stainless Steel
Finished Rotor	:	Copper
NRV	:	Cast Iron
Suction	:	Cast Iron
Pump / Motor Bushes	:	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.

PERFORMANCE CHART FOR 175 MM (7") BOREWELL SUBMERSIBLE PUMPSETS - KS7P-'A' SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY																
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	900	1000	1100	1200	1300	1400	1500	1600
		kW	HP			3Ø	m^3/h	0	54	60	66	72	78	84	90	96
1	KS7P-0602A	4.5	6.0	2	100	12.0	HEAD IN METERS	26	19	18	16	15	14	11	9	6
2	KS7P-0803A	5.5	7.5	3	100	14.5		39	28	26	25	23	20	17	14	9
3	KS7P-1004A	7.5	10.0	4	100	19.5		52	38	35	33	30	27	22	18	12
4	KS7P-1305A	9.3	12.5	5	100	25.0		65	47	44	41	38	34	28	23	15
5	KS7P-1506A	11.0	15.0	6	100	29.0		78	56	53	49	46	41	34	28	18
6	KS7P-1807A	13.0	17.5	7	100	34.0		91	66	62	57	53	48	39	32	21
7	KS7P-2008A	15.0	20.0	8	100	39.0		104	75	70	66	61	54	45	37	24

PERFORMANCE CHART FOR 175 MM (7") BOREWELL SUBMERSIBLE PUMPSETS - KS7P-'B' SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY																
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	800	900	1000	1200	1400	1500	1600	1700
		kW	HP			3Ø	m^3/h	0	48	54	60	72	84	90	96	102
1	KS7P-1003B	7.5	10.0	3	100	19.5	HEAD IN METERS	45	32	31	29	26	20	17	14	11
2	KS7P-1304B	9.3	12.5	4	100	25.0		60	43	41	39	34	27	23	19	14
3	KS7P-1505B	11.0	15.0	5	100	29.0		75	54	51	49	43	34	29	24	18
4	KS7P-1806B	13.0	17.5	6	100	34.0		89	65	62	59	51	41	35	29	21
5	KS7P-2007B	15.0	20.0	7	100	39.0		104	75	72	68	60	47	40	33	25

PERFORMANCE CHART FOR 175 MM (7") BOREWELL SUBMERSIBLE PUMPSETS - KS7P-'C' SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY																
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	600	800	1000	1200	1400	1600	1800	1850
		kW	HP			3Ø	m^3/h	0	36	48	60	72	84	96	108	111
1	KS7P-0802C	5.5	7.5	2	100	14.5	HEAD IN METERS	33	27	25	23	21	18	14	9	7
2	KS7P-1303C	9.3	12.5	3	100	25.0		49	41	38	34	31	26	21	13	11
3	KS7P-1504C	11.0	15.0	4	100	29.0		66	54	50	46	42	35	28	18	14
4	KS7P-2005C	15.0	20.0	5	100	39.0		82	68	63	57	52	44	34	22	18
5	KS7P-2506C	18.5	25.0	6	100	48.0		99	81	75	68	62	53	41	26	21

PERFORMANCE CHART FOR 175 MM (7") BOREWELL SUBMERSIBLE PUMPSETS - KS7B SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (ampere)	LPM	0	600	900	1200	1350	1500	1600	1700	1800
		kW	HP			3Ø	m^3/h	0	36	54	72	81	90	96	102	108
1	KS7B-1302	9.3	12.5	2	100	25.0	HEAD IN METERS	37	30	27	23	21	19	17	15	13
2	KS7B-1803	13.0	17.5	3	100	34.0		55	45	40	35	32	28	25	22	19
3	KS7B-2504	18.5	25.0	4	100	48.0		73	60	53	47	43	37	32	29	25

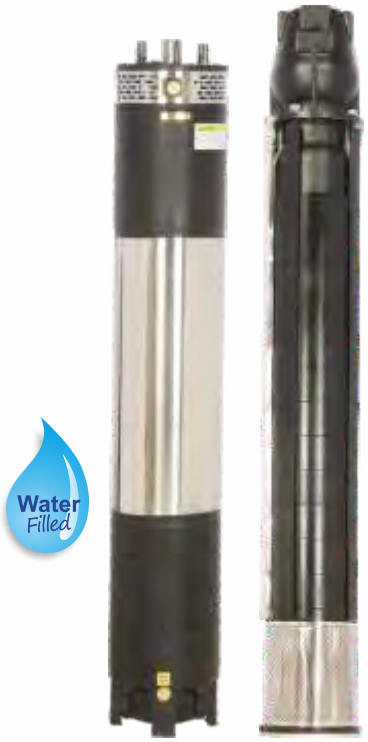
PERFORMANCE CHART FOR 175 MM (7") BOREWELL SUBMERSIBLE PUMPSETS - KS7C SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	900	1100	1300	1500	1700	1900	2000	2100
		kW	HP			3Ø	m^3/h	0	54	66	78	90	102	114	120	126
1	KS7C-1002	7.5	10.0	2	100	19.5	HEAD IN METERS	34	27	25	23	21	19	15	13	11
2	KS7C-1503	11.0	15.0	3	100	29.0		52	40	37	34	32	28	23	20	16
3	KS7C-2004	15.0	20.0	4	100	39.0		69	53	49	45	43	37	31	27	21
4	KS7C-2505	18.5	25.0	5	100	48.0		86	67	62	57	53	47	38	33	27

PERFORMANCE CHART FOR 175 MM (7") BOREWELL SUBMERSIBLE PUMPSETS - KS7 PUNJAB SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY																				
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
		kW	HP			3Ø	m^3/h	0.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0
1	KS7P-0602	4.5	6.0	2	100	12.0	HEAD IN METERS	30	-	25	24	22	21	20	19	17	15	13	-	-
2	KS7P-0804	5.5	7.5	4	100	14.5		37	-	32	30	28	26	25	23	20	16	-	-	-
3	KS7P-1302	9.3	12.5	2	100	25.0		34	-	28	27	26	25	24	23	22	20	19	17	15
4	KS7C-0802	5.5	7.5	2	100	14.5		30	-	26	25	24	23	22	21	19	17	16	-	-
5	KS7C-1303	11.0	15.0	3	100	29.0		46	40	38	37	36	34	33	31	29	26	23	-	-
6	KS7C-1804	13.0	17.5	4	100	34.0		61	53	51	49	47	45	44	41	39	35	31	-	-
7	KS7B-1002	7.5	10.0	2	100	19.5		34	30	29	28	27	26	25	24	22	20	18	16	-
8	KS7B-1503	11.0	15.0	3	100	29.0		52	46	43	41	40	39	37	35	33	30	27	24	-
9	KS7B-2004	15.0	20.0	4	100	39.0		69	60	57	55	53	51	49	47	44	40	36	-	-
10	KS7B-1003	7.5	10.0	3	100	19.5		42	34	32	30	29	27	24	21	17	-	-	-	-
11	KS7B-1004	7.5	10.0	4	100	19.5		50	39	36	35	33	30	26	22	-	-	-	-	-
12	KS7B-1504	11.0	15.0	4	100	29.0		66	-	53	51	49	47	46	43	41	38	35	31	27
13	KS7B-1303	9.3	12.5	3	100	25.0		53	-	43	42	40	39	37	35	34	31	29	27	24
14	KS7B-1804	13.0	17.5	4	100	34.0		70	-	58	56	54	52	50	47	45	42	39	36	32
15	KS7B-2005	15.0	20.0	5	100	39.0		88	-	72	69	67	65	62	59	56	53	49	45	40

Enriching Lives

KS8

8" BOREWELL SUBMERSIBLE PUMPS



FEATURES

Wide Voltage Motor Designs With Copper Rotor

Motors are designed with extra overload capacities, more water spaces and engineered with 99.9% 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 % Electro Grade 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 – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps coming in contact with the water are CED coated.

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. The motor improves anti-friction properties and prevents corrosion.

TECHNICAL SPECIFICATION

Head	:	Upto 270 meters
Discharge Range	:	Upto 2800 LPM
Power Rating	:	4.5 to 45 kW / 6 to 60 HP
Voltage Range	:	280 to 440 Volts (Three Phase)
Type of Cooling	:	Water Filled
Insulation	:	B Class
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

Impeller	:	Stainless Steel
Diffuser Casing/Bowl	:	Cast Iron
Diffuser	:	Noryl
Pump Shaft	:	Stainless Steel
Motor Body	:	Stainless Steel
Motor Shaft	:	Stainless Steel
Finished Rotor	:	Copper
NRV	:	Cast Iron
Suction	:	Cast Iron
Pump / Motor Bushes	:	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.

PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (RADIAL FLOW) KS8D AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	300	400	500	600	700	800	950
		kW	HP				m^3/h	0.0	18.0	24.0	30.0	36.0	42.0	48.0	57.0
1	KS8D-1004	7.5	10.0	4	80	19.5	Head in Meters	82	74	70	64	56	47	37	15
2	KS8D-1305	9.3	12.5	5	80	25.0		102	90	87	80	70	58	45	19
3	KS8D-1506	11.0	15.0	6	80	29.0		122	109	103	96	85	70	53	23
4	KS8D-1807	13.0	17.5	7	80	34.0		143	127	120	111	99	81	62	27
5	KS8D-2008	15.0	20.0	8	80	39.0		163	145	138	128	111	92	70	30
6	KS8D-2510	18.5	25.0	10	80	48.0		204	180	172	160	140	118	90	38
7	KS8D-3012	22.0	30.0	12	80	57.0		245	218	208	191	169	140	108	46
8	KS8D-3514	26.0	35.0	14	80	66.0		286	255	240	223	196	163	125	53

PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (RADIAL FLOW) KS8E AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	240	360	480	650	720	840	960
		kW	HP				m^3/h	0	14.4	21.6	28.8	39.0	43.2	50.4	57.6
1	KS8E-1003	7.5	10	3	80	19.5	Head in Meters	60	58	54	50	40	35	24	12
2	KS8E-1504	11.0	15	4	80	29.0		80	77	72	67	55	46	32	15
3	KS8E-1805	13.0	17.5	5	80	34.0		100	97	90	83	69	58	40	19
4	KS8E-2006	15.0	20	6	80	39.0		120	116	108	100	80	69	48	23
5	KS8E-2507	18.5	25	7	80	48.0		141	135	127	117	95	81	57	27
6	KS8E-3009	22.0	30	9	80	57.0		181	174	163	150	121	104	73	35
7	KS8E-3510	26.0	35	10	80	66.0		201	193	181	167	136	115	81	38
8	KS8E-4012	30.0	40	12	80	76.0		241	232	217	200	162	138	97	46
9	KS8E-4513	33.0	45	13	80	82.0		261	251	235	217	176	150	105	50
10	KS8E-5014	37.0	50	14	80	85.0		281	270	253	234	190	162	113	54

PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8F AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	700	900	1100	1300	1500	1700	1900
		kW	HP				m^3/h	0.0	42.0	54.0	66.0	78.0	90.0	102.0	114.0
1	KS8F-2004	15.0	20.0	4	100	39.0	Head in Meters	75	63	59	54	48	40	31	19
2	KS8F-2505	18.5	25.0	5	100	48.0		94	79	74	68	60	50	38	24
3	KS8F-3006	22.0	30.0	6	100	57.0		113	95	89	82	72	60	46	29
4	KS8F-3507	26.0	35.0	7	100	66.0		132	111	104	95	83	70	54	33
5	KS8F-4008	30.0	40.0	8	100	76.0		151	127	119	109	95	80	61	38
6	KS8F-4509	33.0	45.0	9	100	82.0		170	143	134	122	107	90	69	43
7	KS8F-5010	37.0	50.0	10	100	85.0		189	158	148	136	119	100	77	48
8	KS8F-6012	45.0	60.0	12	100	100.0		226	190	178	163	143	120	92	57

PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8G AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	500	800	1000	1200	1400	1500	1600
		kW	HP				m^3/h	0.0	30.0	48.0	60.0	72.0	84.0	90.0	96.0
1	KS8G-0802	5.5	7.5	2	100	14.5	Head in Meters	38	33	29	26	23	18	15	13
2	KS8G-1303	9.3	12.5	3	100	25.0		58	49	43	39	35	27	23	19
3	KS8G-1804	13.0	17.5	4	100	34.0		77	66	58	52	46	36	31	25
4	KS8G-2005	15.0	20	5	100	39.0		96	82	72	65	58	45	38	32
5	KS8G-2506	18.5	25	6	100	48.0		115	99	87	78	69	54	46	38
6	KS8G-3007	22.0	30	7	100	57.0		135	115	101	91	81	63	54	44
7	KS8G-3508	26.0	35	8	100	66.0		154	132	116	104	92	72	61	51
8	KS8G-4009	30.0	40	9	100	76.0		173	148	130	117	104	81	69	57
9	KS8G-4510	33.0	45	10	100	82.0		192	164	144	130	116	90	77	63
10	KS8G-5012	37.0	50	12	100	85.0		231	197	173	156	139	108	92	76

PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8P AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	750	950	1150	1350	1550	1750	1800
		kW	HP				m^3/h	0.0	45.0	57.0	69.0	81.0	93.0	105.0	108.0
1	KS8P-1302	9.3	12.5	2	100	25.0	Head in Meters	48	41	38	36	32	28	23	21
2	KS8P-2504	18.5	25.0	4	100	48.0		95	82	77	71	64	55	46	42
3	KS8P-3005	22.0	30.0	5	100	57.0		119	103	96	89	80	69	57	53
4	KS8P-4006	30.0	40.0	6	100	76.0		143	124	115	107	96	83	68	64
5	KS8P-5008	37.0	50.0	8	100	85.0		190	165	154	142	128	110	91	85

PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8B - 'A' AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	800	1100	1400	1700	2000	2300	2700
		kW	HP				m^3/h	0.0	48.0	66.0	84.0	102.0	120.0	138.0	162.0
1	KS8B-1502A	11.0	15.0	2	125	29.0	Head in Meters	37	36	32	30	26	22	16	9
2	KS8B-3004A	22.0	30.0	4	125	57.0		73	71	65	59	53	45	32	18
3	KS8B-4005A	30.0	40.0	5	125	76.0		92	89	81	74	66	56	40	22
4	KS8B-5006A	37.0	50.0	6	125	85.0		110	107	97	89	79	67	48	26

PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8B - 'B' AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	900	1200	1500	1800	2100	2400	2700
		kW	HP				m^3/h	0.0	54.0	72.0	90.0	108.0	126.0	144.0	162.0
1	KS8B-1802B	13.0	17.5	2	125	34.0	Head in Meters	39	35	34	31	28	24	19	12
2	KS8B-2003B	15.0	20.0	3	125	39.0		59	53	51	47	42	36	28	18
3	KS8B-3504B	30.0	35.0	4	125	66.0		79	70	68	62	56	48	38	24
4	KS8B-4505B	37.0	45	5	125	82.0		99	88	85	78	70	60	47	30

PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8B - 'C' AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY														
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	1300	1500	1700	1900	2100	2300	2400
		kW	HP				m^3/h	0.0	78.0	90.0	102.0	114.0	126.0	138.0	144.0
1	KS8B-2002C	15.0	20.0	2	125	39.0	Head in Meters	43	30	29	27	24	22	18	16
2	KS8B-2503C	18.5	25.0	3	125	48.0		65	45	44	41	36	33	27	24
3	KS8B-4004C	30.0	40.0	4	125	76.0		86	60	58	54	48	44	36	32
4	KS8B-5005C	37.0	50.0	5	125	85.0		108	75	73	68	60	55	45	40
5	KS8B-6005C	45.0	60.0	6	125	100.0		129	90	87	81	72	66	54	48

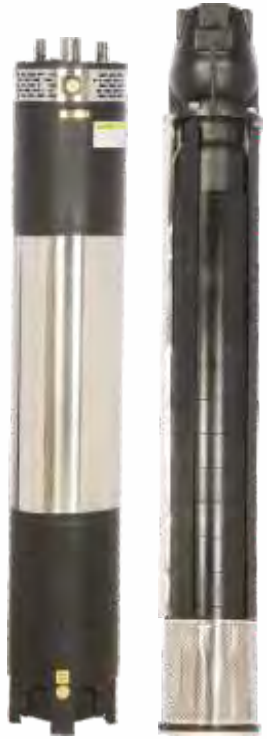
PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8B - 'D' SERIES-9 AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY														
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	900	1200	1600	2000	2300	2600	2800
		kW	HP				m^3/h	0.0	54.0	72.0	96.0	120.0	138.0	156.0	168.0
1	KS8B-2502D	18.5	25.0	2	125	48.0	Head in Meters	62	58	56	53	45.6	37	28	22
2	KS8B-3503D	26.0	35.0	3	125	66.0		77	72	70	66	57	46	35	28
3	KS8B-4504D	33.0	45.0	4	125	82.0		103	96	93	88	76	61	47	37
4	KS8B-6005D	45.0	60.0	5	125	100.0		128	120	117	110	95	77	58	47

PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8 PUNJAB SERIES AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY																					
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
		kW	HP				m^3/h	0.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0
1	KS8P-0602	4.5	6.0	2	100	12.0	Head in Meters	34	27	26	24	23	22	20	17	14	11	-	-	-	-	-
2	KS8P-1003	7.5	10.0	3	100	19.5		50	40	38	36	34	32	29	26	22	18	-	-	-	-	-
3	KS8P-1304	9.3	12.5	4	100	25.0		66	53	51	48	45	43	39	35	29	24	-	-	-	-	-
4	KS8P-0802	5.5	7.5	2	100	14.5		38	-	-	29	27	26	24	23	20	17	14	11	-	-	-
5	KS8P-1303	9.3	12.5	3	100	25.0		61	-	-	49	48	47	45	43	40	36	33	29	-	-	-
6	KS8P-1504	11.0	15.0	4	100	29.0		76	-	-	58	54	52	48	46	40	34	28	22	-	-	-
7	KS8P-1002	7.5	10.0	2	100	19.5		45	-	-	-	35	34	32	31	29	26	24	21	19	-	-
8	KS8P-1503	11.0	15.0	3	100	29.0		67	-	-	-	54	52	50	47	45	41	37	33	29	-	-
9	KS8P-2004	15.0	20.0	4	100	39.0		89	-	-	-	69	68	64	62	58	52	48	42	37	-	-
10	KS8P-1502	11.0	15.0	2	100	29.0		51	-	-	-	-	42	41	39	38	36	34	32	29	26	-
11	KS8P-2003	15.0	20.0	3	100	39.0		77	-	-	-	-	60	58	56	54	52	49	45	41	37	-
12	KS8P-2503	18.5	25.0	3	100	48.0		81	-	-	-	-	-	59	57	55	53	50	46	43	39	35

Enriching Lives

KS9

9" BOREWELL SUBMERSIBLE PUMPS



Water Filled

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High grade engineering materials like Graded Cast Iron Components, Stainless Steel Shaft, Noryl Impellers, Bronze Bushes, Heavy duty Carbon + SS Thrust Plate, 99.9 % Electro Grade 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 – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps coming in contact with the water are CED coated.

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.

Advanced Water Cooled Motors Designs

The motor is filled with potable water, protects from overheating and facilitates smoother and trouble free operation for the years.

TECHNICAL SPECIFICATION

Head Range	:	Upto 114 meters
Discharge Range	:	Upto 3150 LPM
Power Ratings	:	7.5 to 45 kW (10 to 60 HP)
Voltage Range	:	350 to 440 Volts (Three Phase)
Type of Cooling	:	Water Filled
Insulation	:	B Class
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

Impeller	:	Stainless Steel
Bowl/Stage casing	:	Cast Iron
Pump Shaft	:	Stainless Steel
Motor Body	:	Stainless Steel
Motor Shaft	:	Stainless Steel
Finished Rotor	:	Copper
NRV	:	Cast Iron
Suction	:	Cast Iron
Pump / Motor Bushes	:	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.

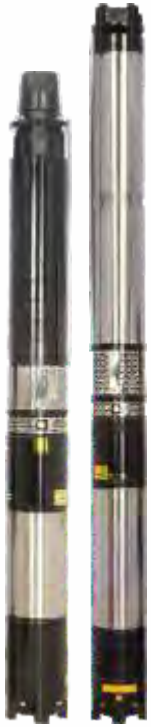
PERFORMANCE CHART FOR 225 MM (9") BOREWELL SUBMERSIBLE PUMPSETS - KS9A SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	1300	1600	1900	2200	2500	2800	3150
		kW	HP			3Ø	m^3/h	0	78	96	114	132	150	168	189
1	KS9A-1301	9.3	12.5	1	125	25.0	Head in Meters	27	23	21	20	18	16	13	10
2	KS9A-2502	15.0	25.0	2	125	39.0		55	46	43	40	36	32	27	20
3	KS9A-4003	30.0	40.0	3	125	76.0		82	68	64	60	55	49	40	30
4	KS9A-5004	37.0	50.0	4	125	85.0		110	91	86	80	73	65	54	40
5	KS9A-6005	45.0	60.0	5	125	100.0		137	114	107	100	91	81	67	50

PERFORMANCE CHART FOR 225 MM (9") BOREWELL SUBMERSIBLE PUMPSETS - KS9C SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	1800	2000	2200	2400	2600	2800	3000
		kW	HP			3Ø	m^3/h	0	108	120	132	144	156	168	180
1	KS9C-1001	7.5	10.0	1	125	19.5	Head in Meters	25	18	17	16	15	13	11	9
2	KS9C-2002	15.0	20.0	2	125	39.0		50	37	34	32	29	26	22	19
3	KS9C-3003	22.0	30.0	3	125	57.0		75	55	52	48	44	39	33	28
4	KS9C-4004	30.0	40.0	4	125	76.0		99	73	69	64	58	52	45	38
5	KS9C-5005	37.0	50.0	5	125	85.0		124	91	86	81	73	66	56	47
6	KS9C-6006	45.0	60.0	6	125	100.0		149	110	103	97	88	79	67	56

Enriching Lives

HHN/HHF

6" HIGH HEAD SUBMERSIBLE PUMPS



FEATURES

Wide Voltage Motor Designs With Copper Rotor

Motors are designed with extra overload capacities, more water spaces and engineered with 99.9% 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 % Electro Grade Copper Rotor and Winding Wires for longer and trouble free life.

High Head Applications

The pump has been designed to deliver large volumes of water for high head applications, helping customers to achieve high turnaround time and productivity.

CED – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps coming in contact with the water are CED coated.

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.

TECHNICAL SPECIFICATION

Head	:	Upto 427 Meters
Capacity	:	Upto 650 LPM
Power Rating	:	2.2 to 18.3 kW / 3 to 25 HP
Voltage range	:	200 to 440 Volts (Three Phase)*
Type of cooling	:	Water Filled
Insulation	:	B Class
Protection	:	IP 68

*Under ideal condition with suitable cable size.

MATERIAL OF CONSTRUCTION

		HHN	HHF
Impeller	:	Noryl	Stainless Steel
Diffuser	:	Noryl	Stainless Steel
Diffuser Casing	:	Cast Iron	Stainless Steel
Pump Shaft	:	Stainless Steel	Stainless Steel
Motor Body	:	Stainless Steel	Stainless Steel
Motor Shaft	:	Stainless Steel	Stainless Steel
Finished Rotor	:	Copper	Copper
NRV	:	Cast Iron	Cast Iron
Suction	:	Cast Iron	Cast Iron
Pump / Motor Bushes	:	LTB	LTB
Thrust Bearing	:	Carbon + SS	Carbon + SS
DOL	:	Cast Iron	Cast Iron

APPLICATIONS

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

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 60HHN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	120	150	180	210	240	270	300
		kW	HP			3Ø	m^3/h	0.0	7.2	9.0	10.8	12.6	14.4	16.2	18.0
1	60HHN-0305	2.2	3.0	5	50	6.5	Head in Meters	61	57	55	52	49	44	40	35
2	60HHN-0407	3	4.0	7	50	8.5		85	80	77	73	69	62	56	49
3	60HHN-0508	3.7	5.0	8	50	10.0		97	91	88	83	78	71	64	56
4	60HHN-0610	4.5	6.0	10	50	12.0		121	114	110	104	98	89	80	70
5	60HHN-0812	5.5	7.5	12	50	14.5		146	137	132	125	118	106	96	84
6	60HHN-1016	7.5	10.0	16	50	19.5		194	182	176	166	157	142	128	112
7	60HHN-1319	9.3	12.5	19	50	25.0		230	217	209	198	186	168	152	133
8	60HHN-1524	11	15.0	24	50	29.0		291	274	264	250	235	212	192	168
9	60HHN-1829	13	17.5	29	50	34.0		352	331	319	302	284	257	232	203

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 80HHN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	60	120	180	240	300	360	420
		kW	HP			3Ø	m^3/h	0	3.6	7.2	11	14.4	18	21.6	25.2
1	80HHN-0304	2.2	3.0	4	50	6.5	Head in Meters	56	55	52	48	43	38	29	20
2	80HHN-0405	3	4.0	5	50	8.5		70	68	65	60	54	47	36	24
3	80HHN-0506	3.7	5.0	6	50	10.0		84	82	78	72	65	56	44	29
4	80HHN-0608	4.5	6.0	8	50	12.0		112	109	103	95	87	75	58	39
5	80HHN-0810	5.5	7.5	10	50	14.5		140	137	129	119	108	94	73	49
6	80HHN-1012	7.5	10.0	12	50	19.5		169	164	155	143	130	113	88	59
7	80HHN-1315	9.3	12.5	15	50	25.0		211	205	194	179	163	141	109	73
8	80HHN-1518	11	15.0	18	50	29.0		253	246	233	215	195	169	131	88
9	80HHN-1821	13	17.5	21	50	34.0		295	287	271	250	228	197	153	102
10	80HHN-2024	15	20.0	24	50	39.0		337	328	310	286	260	225	175	117

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 100HHN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	120	180	240	300	360	420	480
		kW	HP			3Ø	m^3/h	0.0	7.2	10.8	14.4	18.0	21.6	25.2	28.8
1	100HHN-0505	3.7	5.0	5	65	10.0	Head in Meters	72	67	63	58	52	44	35	23
2	100HHN-0606	4.5	6.0	6	65	12.0		86	80	76	70	62	53	42	28
3	100HHN-0808	5.5	7.5	8	65	14.5		115	107	101	93	83	70	56	37
4	100HHN-1010	7.5	10.0	10	65	19.5		144	134	126	116	104	88	70	46
5	100HHN-1312	9.3	12.5	12	65	25.0		172	161	151	139	125	106	84	55
6	100HHN-1515	11.0	15.0	15	65	29.0		215	201	189	174	156	132	105	69
7	100HHN-1818	13	17.5	18	65	34.0		258	241	227	209	187	158	126	83
8	100HHN-2020	15.0	20.0	20	65	39.0		287	268	252	232	208	176	140	92
9	100HHN-2525	18.3	25.0	25	65	48.0		359	335	315	290	260	220	175	115

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 50HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	90	105	120	135	150	165	195
		kW	HP			3Ø	m^3/h	0.0	5.4	6.3	7.2	8.1	9.0	9.9	11.7
1	50HHF-0306	2.2	3.0	6	50	6.5	Head in Meters	88	79	77	72	66	60	53	32
2	50HHF-0408	3.0	4.0	8	50	8.5		117	106	102	96	88	80	70	43
3	50HHF-0510	3.7	5.0	10	50	10.0		146	132	128	120	110	100	88	54
4	50HHF-0612	4.5	6.0	12	50	12.0		175	158	154	144	132	120	106	65
5	50HHF-0815	5.5	7.5	15	50	14.5		219	198	192	180	165	150	132	81
6	50HHF-1020	7.5	10.0	20	50	19.5		292	264	256	240	220	200	176	108
7	50HHF-1325	9.3	12.5	25	50	25.0		365	330	320	300	275	250	220	135
8	50HHF-1530	11.0	15.0	30	50	29.0		438	396	384	360	330	300	264	162

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 60HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	100	120	140	160	180	200	220
		kW	HP			3Ø	m^3/h	0.0	6.0	7.2	8.4	9.6	10.8	12.0	13.2
1	60HHF-0304	2.2	3.0	4	50	6.5	Head in Meters	64	59	56	53	48	42	34	24
2	60HHF-0305	2.2	3.0	5	50	6.5		79	74	70	66	61	53	42	29
3	60HHF-0407	3.0	4.0	7	50	8.5		111	103	98	92	85	74	59	41
4	60HHF-0508	3.7	5.0	8	50	10.0		127	118	112	105	97	84	67	47
5	60HHF-0609	4.5	6.0	9	50	12.0		143	133	126	118	109	95	76	53
6	60HHF-0610	4.5	6.0	10	50	12.0		159	147	139	132	121	105	84	59
7	60HHF-0811	5.5	7.5	11	50	14.5		175	162	153	145	133	116	93	65
8	60HHF-0812	5.5	7.5	12	50	14.5		191	177	167	158	145	126	101	71
9	60HHF-1013	7.5	10.0	13	50	19.5		207	192	181	171	157	137	109	77
10	60HHF-1014	7.5	10.0	14	50	19.5		223	206	195	184	169	147	118	83
11	60HHF-1016	7.5	10.0	16	50	19.5		254	236	223	211	194	168	135	94
12	60HHF-1319	9.3	12.5	19	50	25.0		302	280	265	250	230	200	160	112
13	60HHF-1524	11	15.0	24	50	29.0		381	354	335	316	291	253	202	141
14	60HHF-1829	13.0	17.5	29	50	34.0		461	427	404	382	351	305	244	171

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 80HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	80	120	160	200	240	260	280
		kW	HP			3Ø	m^3/h	0.0	4.8	7.2	9.6	12.0	14.4	15.6	16.8
1	80HHF-0304	2.2	3.0	4	50	6.5	Head in Meters	66	62	60	56	46	36	30	23
2	80HHF-0405	3.0	4.0	5	50	8.5		82	78	75	70	58	46	38	29
3	80HHF-0506	3.7	5.0	6	50	10.0		98	94	89	83	69	55	45	35
4	80HHF-0607	4.5	6.0	7	50	12.0		115	109	104	97	81	64	53	41
5	80HHF-0810	5.5	7.5	10	50	14.5		164	156	149	139	115	91	75	58
6	80HHF-1012	7.5	10.0	12	50	19.5		197	187	179	167	138	109	90	70
7	80HHF-1315	9.3	12.5	15	50	25.0		246	234	224	209	173	137	113	87
8	80HHF-1518	11.0	15.0	18	50	29.0		295	281	268	250	207	164	135	104
9	80HHF-1821	13.0	17.5	21	50	34.0		344	328	313	292	242	191	157.5	122
10	80HHF-2024	15.0	20.0	24	50	39.0		394	374	358	334	276	218	180	139

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 100HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	100	150	200	250	300	350	425
		kW	HP			3Ø	m^3/h	0.0	6.0	9.0	12.0	15.0	18.0	21.0	25.5
1	100HHF-0303	2.2	3	3	50	6.5	Head in Meters	50	48	45	43	38	31	20	8
2	100HHF-0404	3	4	4	50	8.5		66	63	60	57	51	42	27	11
3	100HHF-0505	3.7	5	5	50	10.0		83	79	75	71	63	52	33	13
4	100HHF-0606	4.5	6	6	50	12.0		100	95	90	85	76	63	40	16
5	100HHF-0808	5.5	7.5	8	50	14.5		133	127	120	113	101	83	53	21
6	100HHF-1010	7.5	10	10	50	19.5		166	158	150	142	127	104	67	27
7	100HHF-1312	9.3	12	12	50	25.0		199	190	180	170	152	125	80	32
8	100HHF-1515	11	15	15	50	29.0		249	238	225	213	190	156	100	40
9	100HHF-1818	13	17.5	18	50	34.0		299	285	270	255	228	188	120	48
10	100HHF-2020	15	20	20	50	39.0		332	317	300	283	253	208	133	53
11	100HHF-2525	18.5	25	25	50	48.0		415	396	375	354	317	260	167	67

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 125HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	80	160	240	320	400	480	520
		kW	HP			3Ø	m^3/h	0.0	4.8	9.6	14.4	19.2	24.0	28.8	31.2
1	125HHF-0403	3	4	3	65	8.5	Head in Meters	48	48	47	42	34	24	12	4
2	125HHF-0504	3.7	5	4	65	10.0		64	64	62	55	45	32	16	5
3	125HHF-0605	4.5	6	5	65	12.0		81	80	78	69	57	40	20	6
4	125HHF-0806	5.5	8	6	65	14.5		97	96	93	83	68	48	24	8
5	125HHF-1008	7.5	10	8	65	19.5		129	127	124	111	91	64	31	10
6	125HHF-1310	9.3	12.5	10	65	25.0		161	159	155	138	113	80	39	13
7	125HHF-1512	11	15	12	65	29.0		193	191	186	166	136	96	47	15
8	125HHF-1814	13	17.5	14	65	34.0		225	223	217	194	159	112	55	18
9	125HHF-2016	15	20	16	65	39.0		258	255	248	221	181	128	63	20

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 150HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	180	240	300	360	420	480	540
		kW	HP			3Ø	m^3/h	0.0	10.8	14.4	18.0	21.6	25.2	28.8	32.4
1	150HHF-0503	3.7	5	3	65	10.0	Head in Meters	48	45	43	41	37	30	21	9
2	150HHF-0604	4.5	6	4	65	12.0		64	60	58	55	50	40	29	13
3	150HHF-0805	5.5	8	5	65	14.5		80	75	72	68	62	49	36	16
4	150HHF-1007	7.5	10	7	65	19.5		112	105	101	95	87	69	50	22
5	150HHF-1308	9.3	12.5	8	65	25.0		128	120	115	109	99	79	57	25
6	150HHF-1510	11	15	10	65	29.0		160	150	144	136	124	99	71	31
7	150HHF-1812	13	17.5	12	65	34.0		192	180	173	164	149	119	86	38
8	150HHF-2013	15	20	13	65	39.0		208	195	187	177	161	128	93	41
9	150HHF-2014	15	20	14	65	39.0		224	210	201	191	173	138	100	44

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 200HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	100	200	300	400	500	600	650
		kW	HP			3Ø	m^3/h	0.0	6.0	12.0	18.0	24.0	30.0	36.0	39.0
1	200HFF-0402	3	4	2	65	8.5	Head in Meters	30	30	30	28	24	18	8	3
2	200HHF-0603	4.5	6	3	65	12.0		45	45	45	43	37	27	12	4
3	200HHF-0804	5.5	7.5	4	65	14.5		60	60	60	57	49	36	16	6
4	200HHF-1005	7.5	10	5	65	19.5		76	75	75	71	61	46	21	7
5	200HHF-1306	9.3	12.5	6	65	25.0		91	90	89	85	73	55	25	8
6	200HHF-1508	11	15	8	65	29.0		121	120	119	114	98	73	33	11
7	200HHF-1809	13	17.5	9	65	34.0		136	135	134	128	110	82	37	13
8	200HHF-2010	15	20	10	65	39.0		151	150	149	142	122	91	41	14