

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	Head in Meters							
		kW	HP			1Ø	3Ø		0	20	40	60	90	120	150	170
1	KS4HF-5025	3.70	5.00	25	50	30.0	10.6	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	Head in Meters							
								0	6	18	24	30	36	42	
1	KS4HH - 1020	0.75 / 1.0	32	20	9.0	3.0	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	Head in Meters							
		kW	HP					0	15.0	30.0	45.0	60.0	75.0	90.0	105.0
1	BIGFLOW 1008	0.75	1.0	08	38	8.0	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	



KS4
4" BOREWELL
SUBMERSIBLE PUMPS



Enriching Lives

KIRLOSKAR BROTHERS LIMITED
A Kirloskar Group Company
Established 1888

Global Headquarters:
Yamuna', S.No. 98/3 - 7, Baner, Pune- 411045, India.
Phone : +91-20-27214444 Email: marketing@kbl.co.in

Registered Office:
Udyog Bhavan, Tilak Road, Pune 411 002, India.
Phone: +91-20-24440156 Fax: +91-24440156

Global Presence:
Cambodia | Egypt | India | Lao PDR | Senegal | South Africa | Thailand | The Netherlands
United Arab Emirates | United Kingdom | United States of America | Vietnam

OUR COMPANIES



KS4-07-2018-01

KIRLOSKAR BROTHERS LIMITED
A Kirloskar Group Company
Established 1888

Service Toll-Free No.

1800 103 4443

Registered Office: Udyog Bhavan, Tilak Road, Pune-411002. Tel: +91(20)24440770, Global Headquarters: "Yamuna", Survey No. 98/(3.7), Baner, Pune-411045.
Tel: +91(20)27214444, Email: marketing@kbl.co.in, Website: www.kirloskarpumps.com, CIN No.: L29113PN1920PLC000670

KIRLOSKAR BROTHERS LIMITED
A Kirloskar Group Company
Established 1888

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.

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.

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	Head in Meters							
		kW	HP			1Ø	3Ø		0	6	18	24	30	36	42	48
1	KS4AN-0507	0.37	0.50	07	32	5.3	2.8	m³/h	0	0.4	1.1	1.4	1.8	2.2	2.5	2.9
2	KS4AN-0810	0.55	0.75	10	32	6.2	2.8	49	46	44	42	39	35	30	25	
3	KS4AN-1014	0.75	1.00	14	32	7.5	3.0	70	65	63	60	55	50	43	36	
4	KS4AN-1016	0.75	1.00	16	32	7.5	3.0	98	91	88	84	77	70	60	50	
5	KS4AN-1518	1.10	1.50	18	32	10.5	4.0	112	104	101	96	88	80	69	58	
6	KS4AN-1520	1.10	1.50	20	32	10.5	4.0	126	117	113	108	99	90	77	65	
7	KS4AN-2025	1.50	2.00	25	32	13.8	4.8	140	130	126	120	110	100	86	72	
8	KS4AN-2030	1.50	2.00	30	32	13.8	4.8	175	163	158	150	138	125	108	90	
9	KS4AN-3034	2.20	3.00	34	32	19.8	6.9	210	195	189	180	165	150	129	108	
10	KS4AN-3037	2.20	3.00	37	32	19.8	6.9	238	221	214	204	187	170	146	122	
11	KS4AN-3040	2.20	3.00	40	32	19.8	6.9	259	241	233	222	204	185	159	133	
								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	Head in Meters							
		kW	HP			1Ø	3Ø		0	15	24	30	36	45	60	66
1	KS4BN-0506	0.37	0.50	06	32	5.3	2.8	m³/h	0	0.9	1.4	1.8	2.2	2.7	3.6	4.0
2	KS4BN-0809	0.55	0.75	09	32	6.2	2.8	44	41	38	34	30	23	11	5	
3	KS4BN-1010	0.75	1.00	10	32	7.5	3.0	67	62	57	51	45	34	16	7	
4	KS4BN-1012	0.75	1.00	12	32	7.5	3.0	74	69	63	57	50	38	18	8	
5	KS4BN-1515	1.10	1.50	15	32	10.5	4.0	89	83	76	68	60	46	22	10	
6	KS4BN-1516	1.10	1.50	16	32	10.5	4.0	111	104	95	86	75	57	27	12	
7	KS4BN-1517	1.10	1.50	17	32	10.5	4.0	118	110	101	91	80	61	29	13	
8	KS4BN-2020	1.50	2.00	20	32	13.8	4.8	126	117	107	97	85	65	31	14	
9	KS4BN-2022	1.50	2.00	22	32	13.8	4.8	148	138	126	114	100	76	36	16	
10	KS4BN-3030	2.20	3.00	30	32	19.8	6.9	163	152	139	125	110	84	40	18	
11	KS4BN-3035	2.20	3.00	35	32	19.8	6.9	222	207	189	171	150	114	54	24	
12	KS4BN-4045	3.00	4.00	45	32	23	9.0	259	242	221	200	175	133	63	28	
13	KS4BN-5050	3.70	5.00	50	32	30	10.6	333	311	284	257	225	171	81	36	
								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	Head in Meters							
		kW	HP			1Ø	3Ø		0	15	30	45	53	60	75	90
1	KS4C-0806	0.55	0.75	06	38	6.2	2.8	m³/h	0	0.9	1.8	2.7	3.2	3.6	4.5	5.4
2	KS4C-1009	0.75	1.00	09	38	7.5	3.0	49	47	45	40	36	33	25	16	
3	KS4C-1510	1.10	1.50	10	38	10.5	4.0	73	70	68	59	54	50	37	23	
4	KS4C-1512	1.10	1.50	12	38	10.5	4.0	81	78	75	66	60	55	41	26	
5	KS4C-2014	1.50	2.00	14	38	13.8	4.8	97	94	90	79	72	66	49	31	
6	KS4C-2016	1.50	2.00	16	38	13.8	4.8	113	109	105	92	84	77	57	36	
7	KS4C-3020	2.20	3.00	20	38	19.8	6.9	130	125	120	106	96	88	66	42	
8	KS4C-3022	2.20	3.00	22	38	19.8	6.9	162	156	150	132	120	110	82	52	
9	KS4C-4030	3.00	4.00	30	38	23	9.0	178	172	165	145	132	121	90	57	
10	KS4C-5035	3.70	5.00	35	38	30	10.6	243	234	225	198	180	165	123	78	
11	KS4C-5038	3.70	5.00	38	38	30	10.6	284	273	263	231	210	193	144	91	
12	KS4C-6045	4.50	6.00	45	38	NA	12.6	308	296	285	251	228	209	156	99	
								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	Head in Meters							
		kW	HP			1Ø	3Ø		0	30	45	60	69	75	90	105
1	KS4D-1509	1.10	1.50	09	38	10.5	4.0	m³/h	0	1.8	2.7	3.6	4.1	4.5	5.4	6.3
2	KS4D-2010	1.50	2.00	10	38	13.8	4.8	72	66	58	47	41	34	22	9	
3	KS4D-3015	2.20	3.00	15	38	19.8	6.9	80	73	64	52	45	38	24	10	
4	KS4D-3017	2.20	3.00	17	38	19.8	6.9	120	110	96	78	68	57	36	15	
5	KS4D-4021	3.00	4.00	21	38	23	9.0	136	124	109	88	77	65	41	17	
6	KS4D-5025	3.70	5.00	25	38	30	10.6	168	153	134	109	95	80	50	21	
7	KS4D-5027	3.70	5.00	27	38	30	10.6	200	183	160	130	113	95	60	25	
8	KS4D-6032	4.50	6.00	32	38	NA	12.6	216	197	173	140	122	103	65	27	
9	KS4D-8040	5.50	7.50	40	38	NA	15.5	256	234	205	166	144	122	77	32	
								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	Head in Meters							
		kW	HP			1Ø	3Ø		0	30	45	60	80	90	105	120
1	KS4E-1004	0.75	1.00	04	38	7.5	3.0	m³/h	0	1.8	2.7	3.6	4.5	5.4	6.3	7.2
2	KS4E-1506	1.10	1.50	06	38	10.5	4.0	33	31	30	29	24	22	21	18	
3	KS4E-2008	1.50	2.00	08	38	13.8	4.8	49	46	45	43	36	33	32	26	
4	KS4E-3012	2.20	3.00	12	38	19.8	6.9	65	62	60	57	48	44	42	35	
5	KS4E-4016	3.00	4.00	16	38	23	9.0	98	92	89	86	71	66	63	53	
6	KS4E-5020	3.70	5.00	20	38	30	10.6	130	123	119	114	95	88	84	70	
7	KS4E-5021	3.70	5.00	21	38	30	10.6	163	154	149	143	119	110	105	88	
8	KS4E-6025	4.50	6.00	25	38	NA	12.6	171	162	156	150	125	116	110	92	
9	KS4E-8030	5.50	7.50	30	38	NA	15.5	203	193	186	179	149	138	131	110	
								244	231	224	215	179	165	158	132	