



Enriching Lives



KS9

22.5 CM BOREWELL
SUBMERSIBLE PUMPS



STRENGTHENED BY
99.9%
PURE EC GRADE
COPPER
WINDING WIRES

BUY ELECTRIC PUMPS WITH PURE COPPER WINDING WIRES ONLY.
ENQUIRE BEFORE BUYING.

ALWAYS BUY PUMPS WITH



and



LOGOS ON PACKAGING

KS9

22.5 CM BOREWELL SUBMERSIBLE PUMPS

TECHNICAL SPECIFICATION

Head	- Up to 114 Metres
Discharge Range	- Up to 3150 LPM
Power Rating	- 15 to 45 kW / 20 to 60 HP
Voltage Range	- 350 to 440 Volts (Three Phase)
Insulation	- B Class
Type of Cooling	- Water Cooled
Protection	- IP68

MATERIAL OF CONSTRUCTION

Impeller	- Stainless Steel
Stage Casing/Bowl	- 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

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 rotor performs well in low voltage with minimum discharge drops and suitable for wide voltage applications.

Dynamically Balanced Rotating Parts

Minimum vibration protects components from damage during the operation, thus ensures consistent performance over longer time period as concentricity is maintained.

Longer and Trouble Free Life

High grade engineering materials like Graded Cast Iron Components, Stainless Steel Shaft, Stainless Steel 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 even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost 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.

PERFORMANCE CHART FOR 22.5 CM 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			3PH		m³/h	0	78	96	114	132	150	168	189
1	KS9A - 2502	18.50	25.0	2	125	48.0	Head in Meters	55	46	43	40	36	32	27	20	
2	KS9A - 4003	30.0	40.0	3	125	76.0		82	68	64	60	55	49	40	30	
3	KS9A - 5004	37.0	50.0	4	125	85.0		110	91	86	80	73	65	54	40	
4	KS9A - 6005	45.0	60.0	5	125	100.0		137	114	107	100	91	81	67	50	

PERFORMANCE CHART FOR 22.5 CM 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			3PH									
						m³/h									
1	KS9C - 2002	15.0	20.0	2	125	39.0	Head in Meters	50	37	34	32	29	26	22	19
2	KS9C - 3003	22.0	30.0	3	125	57.0		75	55	52	48	44	39	33	28
3	KS9C - 4004	30.0	40.0	4	125	76.0		99	73	69	64	58	52	45	38
4	KS9C - 5005	37.0	50.0	5	125	85.0		124	91	86	81	73	66	56	47
5	KS9C - 6006	45.0	60.0	6	125	100.0		149	110	103	97	88	79	67	56

KIRLOSKAR BROTHERS LIMITED

Established 1888

A Kirloskar Group Company



We are now on WhatsApp to assist you better

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Toll Free Number: 1800 123 4443

www.kirloskarpumps.com

Registered Office & Global Headquarters: "Yamuna", Survey No. 98/(3 to7), Plot No. 3, Baner, Pune - 411 045, Maharashtra, India

Email: marketing@kbl.co.in, Website: www.kirloskarpumps.com CIN No.: L29113PN1920PLC000670

NEO S E R I E S

10 CM BOREWELL SUBMERSIBLE PUMP



Enriching Lives

OVERFLOW
OF JOY AND
HAPPINESS



STRENGTHENED BY
99.9%
PURE EC GRADE
COPPER
WINDING WIRES



**Wide Voltage
Range Operability**
(180 to 240 Volts, Single Phase)



**Highly-efficient,
Energy-saving
Design**



**Longer and
Trouble Free Life**



**Advanced Water
Cooled Motor
Design**



**Advanced Sand Fighter
Design for Better
Protection Against Sand**



**Dynamically Balanced
Rotating Parts Ensuring
Lesser Vibrations**

**BUY ELECTRIC PUMPS WITH PURE COPPER WINDING WIRES ONLY.
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and



LOGOS ON PACKAGING

NEO**10 CM BOREWELL SUBMERSIBLE PUMP**

TECHNICAL SPECIFICATION

Head Range	- Up to 165 Metres
Discharge Range	- Up to 105 LPM
Power Rating	- 0.37 to 1.5 kW (0.5 to 2.0 HP)
Voltage Range	- 180 to 240 Volts (Single Phase)
Type of Cooling	- Water Cooled
Insulation	- B Class
Protection	- IP68

MATERIAL OF CONSTRUCTION

Pump Housing	- Stainless Steel
Pump Shaft	- Stainless Steel
Motor Housing	- Stainless Steel
Motor Shaft	- Stainless Steel
Thrust Bearing	- Carbon + Stainless Steel
Pump/Motor Bushes	- NBR / LTB
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 Range Operability

The motor is designed to withstand wide voltage variations from 180 - 240 Volts which reduces the chances of motor burning at 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 vibration protects components from damage during the operation, thus ensures consistent performance over longer time period 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 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 a trouble free operation for the years.

Sand Fighter Designs

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

CED - Cathodic Electro Deposition Coating

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

Nationwide Service Network

Easy availability of spares and prompt after sales services through nationwide company Authorised Service Centers.

NEO**10 CM BOREWELL SUBMERSIBLE PUMP**
PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - "NEO SERIES"
AT RATED VOLTAGE OF 220 VOLTS SINGLE PHASE, 50 HZ FREQUENCY, AC SUPPLY
NEO 25 SERIES

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current	LPM	0	6	13	20	25	34	40	47	
		kW	HP			1Ø		m³/h	0	0.4	0.8	1.3	1.5	2.1	2.5	2.9
1	NEO 25 - 0510	0.37	0.50	10	32	5.8	HEAD IN METERS	67	65	64	60	48	45	30	14	
2	NEO 25 - 1020	0.75	1.00	20	32	8.2		134	130	128	120	97	90	60	27	
3	NEO 25 - 1525	1.10	1.50	25	32	11.5		168	163	160	150	121	112	75	34	

NEO 30 SERIES

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current	LPM	0	6	18	24	30	36	42	48	
		kW	HP			1Ø		m³/h	0	0.4	1.1	1.4	1.8	2.2	2.5	2.9
1	NEO 30 - 0507	0.37	0.50	7	32	5.8	HEAD IN METERS	49	46	44	42	39	35	30	25	
2	NEO 30 - 1014	0.75	1.00	14	32	8.2		98	91	88	84	77	70	60	50	
3	NEO 30 - 1016	0.75	1.00	16	32	8.2		112	104	101	96	88	80	69	58	
4	NEO 30 - 1518	1.10	1.50	18	32	11.5		126	117	113	108	99	90	77	65	
5	NEO 30 - 1520	1.10	1.50	20	32	11.5		140	130	126	120	110	100	86	72	
6	NEO 30 - 2025	1.50	2.00	25	32	15.0		175	163	158	150	138	125	108	90	

NEO 35 SERIES

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current	LPM	0	12	23	28	35	42	58	64	
		kW	HP			1Ø		m³/h	0	0.7	1.4	1.7	2.1	2.5	3.5	3.8
1	NEO 35 - 1012	0.75	1.00	12	32	8.2	HEAD IN METERS	89	83	77	71	61	49	35	15	
2	NEO 35 - 1515	1.10	1.50	15	32	11.5		111	104	96	89	76	61	44	19	
3	NEO 35 - 1516	1.10	1.50	16	32	11.5		119	110	103	95	81	65	47	20	
4	NEO 35 - 1517	1.10	1.50	17	32	11.5		126	117	109	100	87	70	50	22	
5	NEO 35 - 2022	1.50	2.00	22	32	15.0		163	152	141	130	112	90	65	28	

NEO 60 SERIES

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current	LPM	0	15	30	45	60	72	90	105	
		kW	HP			1Ø		m³/h	0	0.9	1.8	2.7	3.6	4.3	5.4	6.3
1	NEO 60 - 1008	0.75	1.00	8	32	8.2	HEAD IN METERS	62	59	56	50	41	32	18	6	
2	NEO 60 - 1010	0.75	1.00	10	32	8.2		78	73	70	60	52	40	23	8	
3	NEO 60 - 1512	1.10	1.50	12	32	11.5		93	89	84	75	62	48	27	9	
4	NEO 60 - 1514	1.10	1.50	14	32	11.5		109	102	98	84	73	56	32	11	
5	NEO 60 - 2016	1.50	2.00	16	32	15.0		124	118	112	100	82	64	36	12	
6	NEO 60 - 2018	1.50	2.00	18	32	15.0		140	133	126	113	92	72	41	14	



Enriching Lives



Process for E-Warranty Registration for Newly Purchased Pumps



THROUGH KBL'S OFFICIAL WEBSITE

- ✓ Go to our website <https://www.kirloskarpumps.com>
- ✓ Scroll down to E-Warranty registration.
- ✓ Choose Customer Category, enter your mobile number, and verify with the OTP.
- ✓ Enter the product's serial number or scan the nameplate with your phone.
- ✓ Add purchase date and proceed.
- ✓ Complete the form and hit Submit.



USING WHATSAPP / EMAIL

- ✓ Share your invoice on KBL WhatsApp number - 9922710710 or mail us at kblcare@kbl.co.in



USING KBLONE4ALL APP

- ✓ Download KBLOne4All app from Google Play Store or iOS App Store.
- ✓ Choose Customer Category, input your mobile number, and verify with the OTP.
- ✓ Enter the 5-digit code received, then proceed.
- ✓ Add product details by manually entering the serial number or scanning the nameplate.
- ✓ Input purchase date and move to the next step.
- ✓ Complete required information, upload the invoice, and hit Submit.

Note : E-Warranty Registration is essential to experience hassle-free support & after-sale service.

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JOS

Openwell - Submersible
Pumpset



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JOS Openwell - Submersible Pumpset

FEATURES

Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 200 to 440 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.

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

Motors are designed with extra overload capacities, more water spaces and engineered with 99.9% 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.

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.

TECHNICAL SPECIFICATION

Head Range	:	Upto 64 meters
Discharge Range	:	Upto 48.5 lps
Power Ratings	:	2.2 to 15 kW (3 to 20 HP)
Voltage Range	:	200 to 440 Volts (Three Phase)*
Insulation	:	B Class
Protection	:	IP 68

*Under ideal condition with suitable cable size.

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Delivery Casing	:	Cast Iron
Motor Body	:	Cast Iron
Pump Shaft	:	Stainless Steel

APPLICATIONS

- Irrigation in horticulture & agriculture.
- Sprinkler and drip irrigation.
- Water supplies for high rise building.
- Rural water supply.
- Domestic and community water supply.

PERFORMANCE CHART FOR 'JOS' SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMPS, AT RATED SPEED, 50 Hz FREQUENCY
THREE PHASE A.C. POWER SUPPLY

S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	Rated Speed (RPM)	TOTAL HEAD IN METERS																
		kW	HP	SUC.	DEL			10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
								DISCHARGE IN LITERS PER SECOND																
1	JOS-326**	2.2	3	65	65	380	2800	-	13.2	12.4	11.6	10.4	8.8	7.2	4.4	-	-	-	-	-	-	-	-	-
2	JOS-330**	2.2	3	65	50	380	2800	11.8	11.2	10.4	10.2	9.7	9.1	8.0	6.6	4.8	2.0	-	-	-	-	-	-	-
3	JOS-335	2.2	3	50	40	380	2800	-	-	-	-	-	-	-	-	5.8	5.2	4.8	4.2	3.2	2.2	-	-	-
4	JOS-531**	3.7	5	65	65	380	2800	-	-	-	15.8	14.6	13.9	12.6	11.2	10.0	8.0	4.8	-	-	-	-	-	-
5	JOS-540**	3.7	5	65	50	380	2800	-	-	-	-	-	-	-	-	10.2	9.2	8.2	6.8	5.2	3.2	-	-	-
6	JOS-835	5.5	7.5	80	65	380	2800	-	-	-	-	-	-	19.2	18.5	17.2	15.6	14.0	12.2	9.5	-	-	-	-
								20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	
7	JOS-550	3.7	5	50	40	380	2800	-	-	-	-	-	5.5	5.4	5.2	5.1	4.8	4.6	4.2	3.8	3.4	2.8	2.2	
8	JOS-846	5.5	7.5	65	50	380	2800	-	-	-	-	15.5	14.8	14.0	13.2	12.2	11.2	10.0	8.5	6.5	-	-	-	-
9	JOS-854	5.5	7.5	65	50	380	2800	-	-	-	-	-	-	-	-	-	13.5	12.5	11.5	10.5	9.3	7.0	-	-
10	JOS-1040	7.5	10.0	80	65	380	2940	-	-	-	-	-	20.0	19.3	18.5	17.7	16.6	15.6	14.5	13.0	12.0	10.0	-	-
11	JOS-1050	7.5	10.0	65	65	380	2940	-	-	-	-	-	-	-	11.5	11.0	10.5	10.0	9.5	8.8	8.0	7.0	6.0	
12	JOS-2040	15	20	100	100	380	2850	-	-	-	-	-	48.5	46.5	44.5	42.0	39.8	37.0	34.0	30.5	26.0	21.0	12.0	
								28	30	32	34	36	38	40	42	44	46	48	50	52	56	60	64	
13	JOS-1065	7.5	10.0	65	50	380	2940	-	-	-	-	-	-	-	-	7.4	7.2	7.0	6.6	6.2	5.6	4.7	3.6	

Note: ** Marked pumps are star rated. Performance applicable to liquid of specific gravity 1 and Viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

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Established 1888

Service Toll-Free No.

1800 103 4443

100

1920
2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



KOS

THREE PHASE
OPEN-WELL PUMPS



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KIRLOSKAR PUMPS

TECHNICAL SPECIFICATION

Head Range	:	Upto 76 metres
Discharge Range	:	Upto 38 lps
Power Ratings	:	2.2 to 11.2 kW (3 to 15 HP)
Voltage Range	:	200 to 440 Volts
Insulation	:	B Class
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Motor Body	:	Cast Iron
Delivery Casing	:	Cast Iron
Shaft	:	Stainless Steel

APPLICATIONS

- Industrial service water supply schemes
- Domestic and community water supply
- Construction site
- Irrigation in horticulture & agriculture
- Water supplies for high rise building

FEATURES

Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 350 to 440 volts and reduces motor burning in case of low voltage.

Flatter Efficiency Curve

Minimum variations in efficiency during entire operating range increases the utility of pumpset for variable conditions.

Dynamically Balanced Rotating Parts

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

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which facilitates ease of maintenance thereby extending the life of the pump.

Easy Maintainable Designs

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

CED – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating. It 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.

High Efficiency And Energy Saving Design

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

Advanced Water Cooled Motors Designs

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

PERFORMANCE CHART FOR 'KOS+' SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (volts)	TOTAL HEAD IN METERS																
		kW	HP	SUC.	DEL.		8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
							DISCHARGE IN LITRES PER SECOND																
1	KOS-314+*	2.2	3	80	80	380	16.0	14.7	13.2	10.4	5.0	-	-	-	-	-	-	-	-	-	-	-	-
2	KOS-318+**	2.2	3	65	50	380	12.8	12.2	11.4	10.4	9.2	7.7	4.8	-	-	-	-	-	-	-	-	-	-
3	KOS-325+*	2.2	3	65	50	380	-	-	8.8	8.4	7.9	7.5	6.9	6.3	5.6	4.7	3.1	-	-	-	-	-	-
4	KOS-335+*	2.2	3	50	40	380	-	-	-	-	-	4.6	4.5	4.3	4.2	4.0	3.8	3.5	3.2	2.7	2.0	-	-
5	KOS-520+*	3.7	5	80	80	380	22.6	21.5	20.0	18.7	17.3	15.5	13.2	10.0	-	-	-	-	-	-	-	-	-
6	KOS-527+*	3.7	5	80	65	380	-	-	-	15.0	14.2	13.4	12.5	11.5	10.4	9.0	6.5	-	-	-	-	-	-
7	KOS-822+*	5.5	7.5	100	100	380	-	-	27.0	25.6	24.0	22.0	20.0	17.5	14.0	-	-	-	-	-	-	-	-
8	KOS-830+*	5.5	7.5	80	65	380	-	-	-	-	18.7	17.9	17.0	16.0	15.0	13.8	12.4	10.5	7.0	-	-	-	-
9	KOS-1030+*	7.5	10	100	100	380	-	-	32.0	31.0	29.8	28.2	27.0	26.4	23.5	21.0	18.0	13.5	-	-	-	-	-
10	KOS-1040+*	7.5	10	80	65	380	-	-	-	20.6	20.3	19.9	19.4	18.9	18.3	17.7	17.0	16.4	15.5	14.5	13.5	12.0	9.5
11	KOS-1331+	9.3	12.5	100	100	380	-	-	-	-	-	-	38.0	37.0	36.0	33.0	30.0	28.0	25.0	20.0	-	-	-
12	KOS-1537+*	11	15	100	100	380	-	-	-	-	35.5	35.1	34.9	34.1	33.5	32.1	30.5	28.0	24.0	16.0	7.0		
							24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56
13	KOS-538+*	3.7	5	65	50	380	-	-	8.0	7.4	6.8	6.2	5.5	4.8	3.8	-	-	-	-	-	-	-	-
14	KOS-550+*	3.7	5	50	40	380	-	-	-	-	-	-	4.3	4.1	3.8	3.5	3.2	2.7	2.2	1.0	-	-	-
15	KOS-844+**	5.5	7.5	65	65	380	10.7	10.3	10.1	9.7	9.2	8.7	8.0	7.3	6.5	5.3	3.0	-	-	-	-	-	-
16	KOS-852+*	5.5	7.5	65	50	380	-	-	-	-	8.4	8.2	7.9	7.7	7.3	6.9	6.5	6.0	5.5	4.7	4.0	-	-
17	KOS-1050+**	7.5	10	65	65	380	12.8	12.6	12.4	12.2	12.0	11.7	11.3	10.9	10.5	10.0	9.4	8.7	8.0	7.0	6.0	4.0	-
18	KOS-1348+	9.3	12.5	80	65	380	-	-	22.0	20.5	20.0	19.0	18.0	17.0	16.0	15.0	13.5	12.5	11.0	-	-	-	-
19	KOS-1555+	11	15	80	65	380	19.5	19.4	19.1	18.8	18.5	18.2	17.8	17.4	16.8	16.1	15.5	14.5	13.5	12.0	10.0	7.5	4.0
							42	44	46	48	50	52	56	60	64	68	72	76					
20	KOS-1065+*	7.5	10	65	50	380	7.1	7.0	6.8	6.6	6.4	6.2	5.7	5.1	4.2	2.8	-	-	-	-	-	-	-
21	KOS-1575+	11	15	65	50	380	-	-	-	-	-	7.7	7.4	7.0	6.5	5.8	5.0	3.5	-	-	-	-	-

Note: * Marked pumps are ISI certified and ** Marked pumps are star rated. Performance applicable to liquid of specific gravity 1 and Viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

Service Toll-Free No.

1800 103 4443

Registered Office & Global Headquarters : "Yamuna", Survey No. 98 /(3 to7), Plot No. 3, Baner, Pune 411 045, State Maharashtra, India.

Tel.: +91 (20) 2721 4444 Fax: +91 (20) 67211060 Email: marketing@kbl.co.in Website: www.kirloskarpumps.com CIN No.: L29113PN1920PLC000670



Enriching Lives

KOSI

SINGLE PHASE OPENWELL SUBMERSIBLE PUMPS

FEATURES



Highly-efficient,
Energy-saving Design



Wide Voltage
Range



Dynamically Balanced
Rotating Parts



Easy Maintainable
Designs



STRENGTHENED BY
99.9%
PURE EC GRADE
COPPER
WINDING WIRES

APPLICATIONS



Gardens &
fountains



Feed water
to RO plants



Domestic
water
supply



Construction
sites



Overhead
tanks in
bungalows



Car
washing



Lawn
sprinklers

BUY ELECTRIC PUMPS WITH PURE COPPER WINDING WIRES ONLY. ENQUIRE BEFORE BUYING.

ALWAYS BUY PUMPS WITH



Enriching Lives

and



LOGOS ON PACKAGING

TECHNICAL SPECIFICATION

Head Range	-	Up to 42 Metres
Discharge Range	-	Up to 9.7 LPS
Power Rating	-	0.37 to 1.5 kW (0.5 to 2 HP)
Voltage Range	-	160 to 260 Volts (Single Phase)
Insulation	-	PP
Protection	-	IP68

MATERIAL OF CONSTRUCTION

Impeller	-	Cast Iron / Noryl
Delivery Casing	-	Cast Iron
Motor Body	-	Stainless Steel
Shaft	-	Stainless Steel

APPLICATIONS

- Domestic and community water supply
- Gardening and small farm irrigation
- Water fountains
- Construction site
- Water supply to over head tanks

FEATURES

Wide Voltage Design

The motor is designed to withstand wide voltage variation from 160 to 260 volts and reduces motor burning in case of low /high voltage.

Lightweight and Compact Design

Constructed with special grade engineering materials, compact designs for ease of handling and installation.

Dynamically Balanced Rotating Parts

Minimum vibration protect components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which facilitates ease of maintenance thereby extending the life of the pump.

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.

CED – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating. It 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.

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.

Advanced Water Cooled Motors Designs

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

PERFORMANCE CHART FOR 'KOSI' SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMPS,
50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS																	
		kW	HP	SUC.	DEL.		8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42
							DISCHARGE IN LITRES PER SECONDS																	
1	KOSi - 0520	0.37	0.5	25	25	210	-	-	1.80	1.50	1.05	0.45	-	-	-	-	-	-	-	-	-	-	-	-
2	KOSi - 123	0.75	1	50	40	210	4.80	4.45	4.10	3.75	3.35	2.90	2.15	-	-	-	-	-	-	-	-	-	-	-
3	KOSi - 135	0.75	1	25	25	210	-	-	-	-	2.45	2.25	2.10	1.90	1.70	1.45	1.20	0.80	0.30	-	-	-	-	-
4	KOSi - 1.522	1.1	1.5	50	40	210	-	6.10	5.60	5.10	4.50	3.70	2.80	-	-	-	-	-	-	-	-	-	-	-
5	KOSi - 1.540	1.1	1.5	32	25	210	-	-	-	-	-	-	-	3.05	2.80	2.60	2.30	1.95	1.60	1.20	0.70	-	-	-
6	KOSi - 216	1.5	2	65	50	210	-	9.70	8.40	7.10	5.20	-	-	-	-	-	-	-	-	-	-	-	-	-
7	KOSi - 225	1.5	2	50	40	210	-	-	6.30	5.80	5.30	4.70	4.10	3.40	2.60	1.30	-	-	-	-	-	-	-	-
8	KOSi - 245	1.5	2	32	25	210	-	-	-	-	-	-	-	-	-	-	3.25	3.00	2.70	2.35	1.95	1.55	1.10	0.35

Note:

- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

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We are now on WhatsApp to assist you better

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Enriching Lives



KS4

10 CM BOREWELL
SUBMERSIBLE
PUMP



**STRENGTHENED BY
99.9%
PURE EC GRADE
COPPER
WINDING WIRES**

**BUY ELECTRIC PUMPS WITH PURE COPPER WINDING WIRES ONLY.
ENQUIRE BEFORE BUYING.**

ALWAYS BUY PUMPS WITH



and



LOGOS ON PACKAGING

KS4

10 CM BOREWELL SUBMERSIBLE PUMPS

TECHNICAL SPECIFICATION

Head Range	-	Up to 520 Metres
Discharge Range	-	Up to 420 LPM
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)
Insulation	-	B Class
Type of Cooling	-	Water Cooled
Protection	-	IP68

MATERIAL OF CONSTRUCTION

Pump Housing	-	Stainless Steel
Pump Shaft	-	Stainless Steel
Motor Housing	-	Stainless Steel
Motor Shaft	-	Stainless Steel
Thrust Bearing	-	Carbon + Stainless Steel
Pump / Motor Bushes	-	NBR / LTB
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 variations which reduces the chances of motor burning at 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 vibration protects components from damage during the operation, thus ensures consistent performance over longer time period 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.

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 Copper Rotor

Motors are designed with extra overload capacities, more water spaces and engineered with 99.9% pure Electro Grade Copper rotor 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 10 CM 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			1PH	3PH		m³/h	0	0.4	1.1	1.4	1.8	2.2	2.5
1	KS4AN-0507	0.37	0.50	07	32	5.3	NA	Head in Meters	49	46	44	42	39	35	30	25
2	KS4AN-0810	0.55	0.75	10	32	6.2	NA		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-3040	2.20	3.00	40	32	19.8	6.9		280	260	252	240	220	200	172	144

PERFORMANCE CHART FOR 10 CM 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			1PH	3PH		m³/h	0	0.9	1.4	1.8	2.2	2.7	3.6
1	KS4BN-0809	0.55	0.75	09	32	6.2	NA	Head in Meters	67	62	57	51	45	34	16	7
2	KS4BN-1010	0.75	1.00	10	32	7.5	3.0		74	69	63	57	50	38	18	8
3	KS4BN-1012	0.75	1.00	12	32	7.5	3.0		89	83	76	68	60	46	22	10
4	KS4BN-1515	1.10	1.50	15	32	10.5	4.0		111	104	95	86	75	57	27	12
5	KS4BN-1516	1.10	1.50	16	32	10.5	4.0		118	110	101	91	80	61	29	13
6	KS4BN-1517	1.10	1.50	17	32	10.5	4.0		126	117	107	97	85	65	31	14
7	KS4BN-2020	1.50	2.00	20	32	13.8	4.8		148	138	126	114	100	76	36	16
8	KS4BN-2022	1.50	2.00	22	32	13.8	4.8		163	152	139	125	110	84	40	18
9	KS4BN-3030	2.20	3.00	30	32	19.8	6.9		222	207	189	171	150	114	54	24
10	KS4BN-3035	2.20	3.00	35	32	19.8	6.9		259	242	221	200	175	133	63	28
11	KS4BN-4045	3.00	4.00	45	32	23	9.0		333	311	284	257	225	171	81	36
12	KS4BN-5050	3.70	5.00	50	32	30	10.6		370	345	315	285	250	190	90	40

KS4

10 CM BOREWELL SUBMERSIBLE PUMPS

PERFORMANCE CHART FOR 10 CM 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								
		kW	HP			1PH	3PH		m³/h	0	15	30	45	53	60	75
1	KS4C - 1009	0.75	1.00	09	38	7.5	3.0	Head in Meters	73	70	68	59	54	50	37	23
2	KS4C - 1510	1.10	1.50	10	38	10.5	4.0		81	78	75	66	60	55	41	26
3	KS4C - 1512	1.10	1.50	12	38	10.5	4.0		97	94	90	79	72	66	49	31
4	KS4C - 2014	1.50	2.00	14	38	13.8	4.8		113	109	105	92	84	77	57	36
5	KS4C - 2016	1.50	2.00	16	38	13.8	4.8		130	125	120	106	96	88	66	42
6	KS4C - 3020	2.20	3.00	20	38	19.8	6.9		162	156	150	132	120	110	82	52
7	KS4C - 3022	2.20	3.00	22	38	19.8	6.9		178	172	165	145	132	121	90	57
8	KS4C - 4030	3.00	4.00	30	38	23	9.0		243	234	225	198	180	165	123	78
9	KS4C - 5035	3.70	5.00	35	38	30	10.6		284	273	263	231	210	193	144	91
10	KS4C - 5038	3.70	5.00	38	38	30	10.6		308	296	285	251	228	209	156	99
11	KS4C - 6045	4.50	6.00	45	38	NA	12.6		365	351	338	297	270	248	185	117
12	KS4C - 8056	5.50	7.50	56	38	NA	15.5		450	430	400	350	320	290	215	138

PERFORMANCE CHART FOR 10 CM 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			1PH	3PH		m³/h	0	1.8	2.7	3.6	4.1	4.5	5.4
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 10 CM 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			1PH	3PH		m³/h	0	1.8	2.7	3.6	4.5	5.4	6.3
		1	KS4E - 1004			0.75	1.00	04	38	7.5	3.0	Head in Meters	33	31	30	29
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 10 CM 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			1PH	3PH									
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-8025	5.50	7.50	25	50	NA	15.5		196	190	170	155	146	125	110	63

KS4

10 CM BOREWELL SUBMERSIBLE PUMPS

PERFORMANCE CHART FOR 10 CM 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			1PH	3PH		m³/h	0	3.6	5.4	7.2	9.0	10.2	10.8
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 10 CM 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			1PH	3PH		m³/h	0	3.6	7.2	10.8	14.4	18.0	21.6
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-5012	3.70	5.00	12	50/65	30	10.6		64	60	55	48	41	34	24	12
7	KS4H-5014	3.70	5.00	14	50/65	30	10.6		75	70	64	56	48	39	28	14
8	KS4H-8020	5.50	7.50	20	50/65	NA	15.5		107	100	91	80	69	56	40	20

PERFORMANCE CHART FOR 10 CM 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			1PH	3PH		m³/h	0	3.6	5.4	7.2	9.0	10.8	12.6
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	19.8	6.9		96	90	83	75	63	48	36	18

PERFORMANCE CHART FOR 10 CM 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 (Amp.)		LPM	0	20	40	60	90	120	150	170
		kW	HP			1PH	3PH		m³/h	0	1.2	2.4	3.6	5.4	7.2	9.0
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 FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KS4 - HH SERIES AT RATED VOLTAGE OF 220 VOLTS SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. No.	Model	Power Rating		No of Stages	Pipe Size (mm)	Rated Current (Amp.)		LPM	0	6	18	24	30	36	42
		kW	HP			1PH	3PH		m³/h	0	0.4	1.1	1.4	1.8	2.2
1	KS4HH - 1020	0.75	1.0	20	32	9.0	3.0	Head in Meters	138	130	126	105	95	80	56
2	KS4HH - 1525	1.1	1.5	25	32	12.6	4.0		174	163	158	131	119	100	70

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KS4 - BIGFLOW SERIES RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Del. Size (mm)	Rated Current (Amp.)	LPM	0	15.0	30.0	45.0	60.0	75.0	90.0	105.0
		kW	HP					1PH	m³/h	0	0.9	1.8	2.7	3.2	4.5
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

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KS4 - 'B' HIGH HEAD SERIES RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. No.	Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	15	24	30	33	45	60	66
		kW	HP			3PH	m³/h	0	0.9	1.4	1.6	2.2	2.7	3.6	4.0
1	KS4B- 6060	4.50	6.00	60	32	12.6	Head in Meters	440	416	372	328	296	200	72	28
2	KS4B- 8075	5.50	7.50	75	32	15.5		550	520	465	410	370	250	90	35

KIRLOSKAR BROTHERS LIMITED

Established 1888

A Kirlokar Group Company



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Toll Free Number: 1800 123 4443

www.kirloskarpumps.com

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KIRLOSKAR PUMPS

100

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KIRLOSKAR BROTHERS LTD.



Enriching Lives

KS6

6" BOREWELL SUBMERSIBLE PUMPS

For Agriculture & Domestic Applications

The advertisement features a central image of a man in an orange kurta and white turban giving a thumbs-up in a green field. To his left, a large pipe discharges water into a pool. In the bottom left corner, two KS6 submersible pumps are shown with water splashing around them. A red circular seal with the text 'ORIGINAL KIRLOSKAR PUMP' and 'Est. 1888' is positioned above the pumps. In the bottom right corner, two hexagonal insets show a green field with a pump line and a tall apartment building, illustrating the pump's use in both agriculture and domestic settings.

ORIGINAL KIRLOSKAR PUMP

Est. 1888

KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

KS6

6" BOREWELL SUBMERSIBLE PUMPS

For Agriculture & Domestic Applications

TECHNICAL SPECIFICATION

Head Range	Upto 276 meters
Capacity	Upto 1540 LPM
Power Ratings	2.2 to 18.5 kW / 3 to 25 HP
Voltage Range	160 to 240 Volts (Single Phase) 200 to 440 Volts* (Three Phase) *Under ideal condition with suitable cable size.
Insulation	B Class
Type of Cooling	Water Filled
Protection	IP 68

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

FEATURES

Wide voltage motor designs with 100% copper rotor

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

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

Design to Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

Glycol-mixed water

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



KIRLOSKAR PUMPS

RADIAL FLOW PUMPS

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	m³/h	0.0	3.6	7.2	9.6	10.8	14.4	16.2
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		m³/h	0.0	3.6	7.2	10.8	14.4	18.0	21.6
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

RADIAL FLOW PUMPS

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									
1	KS6C-0505	3.7	5.0	5	50	10.0	Head in Meters	60	59	53	50	45	40	34	26
2	KS6C-0606	4.5	6.0	6	50	12.0		71	70	63	59	54	47	40	31
3	KS6C-0807	5.5	7.5	7	50	14.5		83	82	74	69	63	55	47	36
4	KS6C-0808	5.5	7.5	8	50	14.5		95	94	84	79	72	63	54	42
5	KS6C-1009	7.5	10.0	9	50	19.5		107	105	95	89	81	71	60	47
6	KS6C-1010	7.5	10.0	10	50	19.5		119	117	105	99	90	79	67	52
7	KS6C-1312	9.3	12.5	12	50	25.0		143	140	126	119	108	95	80	62
8	KS6C-1515	11.0	15.0	15	50	29.0		179	176	158	149	135	119	101	78
9	KS6C-1817	13.0	17.5	17	50	34.0		202	199	179	168	153	134	114	88
10	KS6C-2018	15.0	20.0	18	50	39.0		214	211	189	178	162	142	121	94
11	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		m³/h	0.0	12.0	18.0	21.0	24.0	27.0	30.0
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

KIRLOSKAR PUMPS

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	m³/h	0.0	14.4	21.6	28.8	36.0	43.2
1	KS6EA-0808	5.5	7.5	8	80	14.5	Head in Meters	66	58	51	43	33	23	12	7
2	KS6EA-1010	7.5	10.0	10	80	19.5		83	72	64	54	41	29	15	9
3	KS6EA-1312	9.3	12.5	12	80	25		100	86	77	65	49	35	18	11
4	KS6EA-1515	11.0	15.0	15	80	29		125	108	96	81	62	44	23	13
5	KS6EA-1817	13.0	17.5	17	80	34		141	122	109	92	70	49	26	15
6	KS6EA-2020	15.0	20.0	20	80	39		166	144	128	108	82	58	30	18

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		m³/h	0.0	24.0	30.0	36.0	42.0	48.0	54.0
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		m³/h	0.0	8.4	14.4	28.8	43.2	50.4	57.6
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		m³/h	0.0	20.4	32.4	44.4	56.4	68.4	80.4
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

KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

Service Toll-Free No.

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Enriching Lives



KS8

20 CM BOREWELL
SUBMERSIBLE
PUMPS



STRENGTHENED BY
99.9%
PURE EC GRADE
COPPER
WINDING WIRES



**BUY ELECTRIC PUMPS WITH PURE COPPER WINDING WIRES ONLY.
ENQUIRE BEFORE BUYING.**

ALWAYS BUY PUMPS WITH



and



LOGOS ON PACKAGING

KIRLOSKAR PUMPS

TECHNICAL SPECIFICATION

Head	- Up to 270 Metres
Discharge Range	- Up to 2700 LPM
Power Rating	- 4.5 to 45 kW / 6 to 60 HP
Voltage Range	- 280 to 440 Volts (Three Phase)
Insulation	- B Class
Type of Cooling	- Water Cooled
Protection	- IP68

MATERIAL OF CONSTRUCTION

Impeller	- Stainless Steel
Diffuser Casing/Bowl	- Cast Iron
Diffuser	- 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	- NBR / LTB
Thrust Bearing	- Carbon + SS

APPLICATIONS

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

FEATURES

Wide Voltage Motor Designs with Copper Rotor

Motors are designed with extra overload capacities, more water spaces and engineered with 99.9% pure Electro Grade Copper rotor performs well in low voltage with minimum discharge drops and suitable for wide voltage applications.

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High grade engineering materials like Graded Cast Iron Components, Stainless Steel Shaft, Stainless Steel 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.

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 even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

Glycol-mixed Water

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

KIRLOSKAR PUMPS

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (RADIAL FLOW) KS8D 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	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 20 CM BOREWELL SUBMERSIBLE PUMPSETS (RADIAL FLOW) KS8E 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	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	10.0	3	80	19.5	Head in Meters	60	58	54	50	40	35	24	12
2	KS8E - 1504	11.0	15.0	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	20.0	6	80	39.0		120	116	108	100	80	69	48	23
5	KS8E - 2507	18.5	25.0	7	80	48.0		141	135	127	117	95	81	57	27
6	KS8E - 3009	22.0	30.0	9	80	57.0		181	174	163	150	121	104	73	35
7	KS8E - 3510	26.0	35.0	10	80	66.0		201	193	181	167	136	115	81	38
8	KS8E - 4012	30.0	40.0	12	80	76.0		241	232	217	200	162	138	97	46
9	KS8E - 4513	33.0	45.0	13	80	82.0		261	251	235	217	176	150	105	50
10	KS8E - 5014	37.0	50.0	14	80	85.0		281	270	253	234	190	162	113	54

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) KS8F 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	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 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) KS8G 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	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 - 1303	9.3	12.5	3	100	25.0	Head in Meters	58	49	43	39	35	27	23	19
2	KS8G - 1804	13.0	17.5	4	100	34.0		77	66	58	52	46	36	31	25
3	KS8G - 2005	15.0	20.0	5	100	39.0		96	82	72	65	58	45	38	32
4	KS8G - 2506	18.5	25.0	6	100	48.0		115	99	87	78	69	54	46	38
5	KS8G - 3007	22.0	30.0	7	100	57.0		135	115	101	91	81	63	54	44
6	KS8G - 3508	26.0	35.0	8	100	66.0		154	132	116	104	92	72	61	51
7	KS8G - 4009	30.0	40.0	9	100	76.0		173	148	130	117	104	81	69	57
8	KS8G - 4510	33.0	45.0	10	100	82.0		192	164	144	130	116	90	77	63
9	KS8G - 5012	37.0	50.0	12	100	85.0		231	197	173	156	139	108	92	76

KIRLOSKAR PUMPS

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) KS8P 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	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 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) KS8B - 'A' 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	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-1502	11.0	15.0	2	125	29.0	Head in Meters	37	36	32	30	26	22	16	9
2	KS8B-3004	22.0	30.0	4	125	57.0		73	71	65	59	53	45	32	18
3	KS8B-4005	30.0	40.0	5	125	76.0		92	89	81	74	66	56	40	22
4	KS8B-5006	37.0	50.0	6	125	85.0		110	107	97	89	79	67	48	26

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) KS8B - 'B' 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	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-1802	13.0	17.5	2	125	34.0	Head in Meters	39	35	34	31	28	24	19	12
2	KS8B-2003	15.0	20.0	3	125	39.0		59	53	51	47	42	36	28	18
3	KS8B-3504	26.0	35.0	4	125	66.0		79	70	68	62	56	48	38	24
4	KS8B-4505	33.0	45.0	5	125	82.0		99	88	85	78	70	60	47	30

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) KS8 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	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

KIRLOSKAR BROTHERS LIMITED

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PERFORMANCE CHART FOR KCIL / KSIL PUMPSETS - 32 SERIES AT RATED VOLTAGE OF 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY												
S. No.	Pump Model	Power Rating		Pipe Size (mm)		No of Stages	DISCHARGE IN m ³ /hr					
		kW	HP	SUC.	DEL.		15	20	25	32	35	40
							TOTAL HEAD IN METRES					
1	KSIL/KCIL32-1-1	1.5	2.0	74	74	1	15	14	13	10	8	5
2	KSIL/KCIL32-1	2.2	3.0	74	74	1	18	17	16	13	12	9
3	KSIL/KCIL32-2-2	3.0	4.0	74	74	2	31	30	27	21	18	12
4	KSIL/KCIL32-2	4.0	5.5	74	74	2	37	36	32	27	25	20
5	KSIL/KCIL32-3-2	5.5	7.5	74	74	3	50	47	44	37	31	23
6	KSIL/KCIL32-3	5.5	7.5	74	74	3	56	53	49	44	38	30
7	KSIL/KCIL32-4-2	7.5	10.0	74	74	4	69	65	60	51	44	32
8	KSIL/KCIL32-4	7.5	10.0	74	74	4	75	71	66	59	51	40
9	KSIL/KCIL32-5-2	11.0	15.0	74	74	5	89	85	78	65	59	45
10	KSIL/KCIL32-5	11.0	15.0	74	74	5	95	90	84	71	65	52
11	KSIL/KCIL32-6-2	11.0	15.0	74	74	6	107	102	95	80	71	55
12	KSIL/KCIL32-6	11.0	15.0	74	74	6	113	108	100	86	78	62
13	KSIL/KCIL32-7-2	15.0	20.0	74	74	7	127	121	112	95	85	67
14	KSIL/KCIL32-7	15.0	20.0	74	74	7	133	126	118	101	92	74
15	KSIL/KCIL32-8-2	15.0	20.0	74	74	8	145	138	128	108	98	77
16	KSIL/KCIL32-8	15.0	20.0	74	74	8	151	144	134	115	104	83
17	KSIL/KCIL32-9-2	18.5	25.0	74	74	9	165	158	147	124	112	89
18	KSIL/KCIL32-9	18.5	25.0	74	74	9	171	163	152	131	119	96
19	KSIL/KCIL32-10-2	18.5	25.0	74	74	10	184	175	163	138	125	99
20	KSIL/KCIL32-10	18.5	25.0	74	74	10	190	181	169	145	133	106
21	KSIL/KCIL32-11-2	22.0	30.0	74	74	11	203	194	181	154	140	112
22	KSIL/KCIL32-11	22.0	30.0	74	74	11	209	200	187	161	147	118
23	KSIL/KCIL32-12-2	22.0	30.0	74	74	12	222	212	197	168	152	121
24	KSIL/KCIL32-12	22.0	30.0	74	74	12	227	217	203	176	160	128
25	KSIL/KCIL32-13-2	30.0	40.0	74	74	13	244	233	218	187	169	136
26	KSIL/KCIL32-13	30.0	40.0	74	74	13	250	239	224	193	177	145
27	KSIL/KCIL32-14-2	30.0	40.0	74	74	14	263	251	234	201	183	146
28	KSIL/KCIL32-14	30.0	40.0	74	74	14	269	258	241	207	188	156

PERFORMANCE CHART FOR KCIL / KSIL PUMPSETS - 45 SERIES AT RATED VOLTAGE OF 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY													
S. No.	Pump Model	Power Rating		Pipe Size (mm)		No of Stages	DISCHARGE IN m ³ /hr						
		KW	HP	SUC.	DEL.		25	30	35	40	45	50	55
							TOTAL HEAD IN METRES						
1	KSIL/KCIL45-1-1	3.0	4.0	80	80	1	20	20	18	17	15	13	11
2	KSIL/KCIL45-1	4.0	5.5	80	80	1	24	23	22	21	19	18	15
3	KSIL/KCIL45-2-2	5.5	7.5	80	80	2	41	39	37	34	31	27	22
4	KSIL/KCIL45-2	7.5	10.0	80	80	2	49	47	45	42	39	35	31
5	KSIL/KCIL45-3-2	11.0	15.0	80	80	3	66	64	61	57	52	46	40
6	KSIL/KCIL45-3	11.0	15.0	80	80	3	74	71	68	64	60	54	48
7	KSIL/KCIL45-4-2	15.0	20.0	80	80	4	91	88	84	79	72	65	56
8	KSIL/KCIL45-4	15.0	20.0	80	80	4	99	95	91	86	80	73	64
9	KSIL/KCIL45-5-2	18.5	25.0	80	80	5	118	113	107	101	93	84	73
10	KSIL/KCIL45-5	18.5	25.0	80	80	5	122	120	115	108	100	92	81
11	KSIL/KCIL45-6-2	22.0	30.0	80	80	6	142	137	131	122	113	103	90
12	KSIL/KCIL45-6	22.0	30.0	80	80	6	149	144	138	130	121	111	98
13	KSIL/KCIL45-7-2	30.0	40.0	80	80	7	168	163	156	147	135	123	109
14	KSIL/KCIL45-7	30.0	40.0	80	80	7	176	171	163	155	144	132	116
15	KSIL/KCIL45-8-2	30.0	40.0	80	80	8	193	187	179	168	155	142	126
16	KSIL/KCIL45-8	30.0	40.0	80	80	8	200	194	187	176	164	149	134
17	KSIL/KCIL45-9-2	30.0	40.0	80	80	9	217	211	202	189	174	159	142
18	KSIL/KCIL45-9	30.0	40.0	80	80	9	226	219	210	199	185	170	151
19	KSIL/KCIL45-10-2	37.0	50.0	80	80	10	242	236	225	212	196	179	159
20	KSIL/KCIL45-10	37.0	50.0	80	80	10	251	243	233	220	205	187	166
21	KSIL/KCIL45-11-2	45.0	60.0	80	80	11	273	264	253	238	222	201	179
22	KSIL/KCIL45-11	45.0	60.0	80	80	11	281	272	261	246	230	209	187
23	KSIL/KCIL45-12-2	45.0	60.0	80	80	12	298	289	276	261	242	220	195
24	KSIL/KCIL45-12	45.0	60.0	80	80	12	306	296	284	268	251	229	204
25	KSIL/KCIL45-13-2	45.0	60.0	80	80	13	323	313	300	283	263	239	212

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KIRLOSKAR VERTICAL
MULTI-STAGE INLINE PUMPS

KCIL

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KIRLOSKAR PUMPS

KCIL & KSIL
KIRLOSKAR VERTICAL MULTI-STAGE INLINE PUMPS

TECHNICAL SPECIFICATION

Head Range	: Upto 323 metres
Discharge Range	: Upto 110 m ³ /h
Power Ratings	: 0.37 to 45 kW (0.5 to 60 HP)
Voltage Range	: 370 to 440 Volts (Three Phase)
Protection	: IP 55
Insulation	: F Class
pH Value	: 4 to 10
Altitude	: Up to 1000 metres
Liquid Temperature Range	: -20° C to 120° C
Motors	: All motors are designed under IE2 specification.
Maximum Operating Pressure	: 16 bar (KCIL & KSIL-1 to 5 Series) 25 bar (KSIL & KCIL-10 to 90 Series)

APPLICATIONS

- Building Industry - Booster, Fire fighting, Hydro pneumatic systems, Heating, Ventilation and Air conditioning systems.
- Water Treatment - Reverse osmosis systems, softening, Ion exchange, demineralizing systems, distillation systems
- Irrigation - Field irrigation (flooding), sprinkler irrigation, drip-feed irrigation.
- Dairy, Food Processing and Beverage Industries - Supply of clean water.
- Small Capacity Power Plants - Boiler feed and condensate transfer.

MATERIAL OF CONSTRUCTION

	KCIL	KSIL
Base Plate	: Cast Iron	Cast Iron
Drainage Plug Assembly	: Stainless Steel	Stainless Steel
Primary Diffuser	: Stainless Steel	Stainless Steel
Diffuser with Bearing	: Stainless Steel	Stainless Steel
Medium Diffuser	: Stainless Steel	Stainless Steel
Impeller	: Stainless Steel	Stainless Steel
Final Diffuser	: Stainless Steel	Stainless Steel
Motor Base	: Cast Iron	Cast Iron
Vent Plug Assembly	: Stainless Steel	Stainless Steel
Pump Shaft	: Stainless Steel	Stainless Steel
Pump Casing (Suc & Del)	: Cast Iron	Stainless Steel

FEATURES

Superior Pump Hydraulics

Superior pump hydraulics due to advanced manufacturing processes coupled with IE2 motor facilitate higher efficiency at par with international standard.

Cartridge Type Mechanical Seal

Superior quality 6 holes cartridge type mechanical seal with high quality graphite and hard alloy ensures better heat resistance wear resistance capacity, zero leakage and lower friction loss. This protects the shaft from wearing, thus ensuring easy maintenance without opening the pump for a longer life.

Splined Shaft

Splined shaft made from cold extrusion technology with high surface strength facilitates better life and good axiality.

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which facilitates ease of maintenance thereby extending the life of the pump.

Dynamically Balanced Rotating Parts

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

Easy Maintainable Designs

Easy maintainable design and better interchangeability of components.

Suitable For Horizontal Applications

The motor comes with ball bearings which makes it suitable for horizontal installation for water transfer at high heads in residential complex.

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.

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PERFORMANCE CHART FOR KCIL /KSIL PUMPSETS - 1 SERIES AT RATED VOLTAGE OF 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY																	
S. No.	Pump Model	Power Rating		Pipe Size (mm)		No of Stages	DISCHARGE IN m ³ /hr										
		kW	HP	SUC.	DEL.		0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0		
							TOTAL HEAD IN METRES										
1	KSIL/KCIL1-2	0.37	0.5	32	32	2	12	12	12	12	12	11	11	10	10		
2	KSIL/KCIL1-3	0.37	0.5	32	32	3	18	18	18	18	17	17	16	15	14		
3	KSIL/KCIL1-4	0.37	0.5	32	32	4	24	24	24	23	22	22	21	19	18		
4	KSIL/KCIL1-5	0.37	0.5	32	32	5	30	30	30	29	28	27	26	24	22		
5	KSIL/KCIL1-6	0.37	0.5	32	32	6	36	36	35	35	34	32	30	28	25		
6	KSIL/KCIL1-7	0.37	0.5	32	32	7	42	42	41	41	39	37	35	32	30		
7	KSIL/KCIL1-8	0.55	0.75	32	32	8	48	48	47	46	45	43	40	37	34		
8	KSIL/KCIL1-9	0.55	0.75	32	32	9	54	54	53	52	50	48	45	41	37		
9	KSIL/KCIL1-10	0.55	0.75	32	32	10	60	59	58	57	55	53	50	46	41		
10	KSIL/KCIL1-11	0.55	0.75	32	32	11	65	65	64	62	61	58	54	50	45		
11	KSIL/KCIL1-12	0.75	1.0	32	32	12	73	72	71	69	67	64	61	55	50		
12	KSIL/KCIL1-13	0.75	1.0	32	32	13	78	78	77	75	73	69	65	60	54		
13	KSIL/KCIL1-15	0.75	1.0	32	32	15	90	90	88	86	83	79	74	68	61		
14	KSIL/KCIL1-17	1.1	1.5	32	32	17	103	102	101	99	95	91	85	79	70		
15	KSIL/KCIL1-19	1.1	1.5	32	32	19	115	114	112	109	106	101	94	87	78		
16	KSIL/KCIL1-21	1.1	1.5	32	32	21	126	125	123	120	116	110	103	95	85		
17	KSIL/KCIL1-23	1.1	1.5	32	32	23	137	136	134	131	126	120	112	103	92		
18	KSIL/KCIL1-25	1.5	2.0	32	32	25	153	152	150	147	142	136	128	118	106		
19	KSIL/KCIL1-27	1.5	2.0	32	32	27	165	164	162	158	153	146	137	127	114		
20	KSIL/KCIL1-30	1.5	2.0	32	32	30	182	181	178	175	169	162	152	140	126		
21	KSIL/KCIL1-33	2.2	3.0	32	32	33	203	202	199	195	189	181	170	157	142		
22	KSIL/KCIL1-36	2.2	3.0	32	32	36	221	220	217	212	206	197	185	171	154		

PERFORMANCE CHART FOR KCIL / KSIL PUMPSETS - 2 SERIES AT RATED VOLTAGE OF 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		Pipe Size (mm)		No of Stages	DISCHARGE IN m³/hr								
		kW	HP	SUC.	DEL.		1.0	1.2	1.6	2.0	2.4	2.8	3.2	3.5	
							TOTAL HEAD IN METRES								
1	KSIL/KCIL2-2	0.37	0.50	32	32	2	18	17	16	15	13	12	10	8	
2	KSIL/KCIL2-3	0.37	0.50	32	32	3	27	26	24	22	20	18	15	12	
3	KSIL/KCIL2-4	0.55	0.75	32	32	4	36	35	33	30	26	24	17	16	
4	KSIL/KCIL2-5	0.55	0.75	32	32	5	45	43	40	37	33	30	24	20	
5	KSIL/KCIL2-6	0.75	1.00	32	32	6	53	52	50	45	40	36	30	24	
6	KSIL/KCIL2-7	0.75	1.00	32	32	7	63	61	57	52	47	41	35	28	
7	KSIL/KCIL2-8	1.10	1.50	32	32	8	71	69	65	59	54	47	40	33	
8	KSIL/KCIL2-9	1.10	1.50	32	32	9	80	78	73	67	61	54	45	37	
9	KSIL/KCIL2-10	1.10	1.50	32	32	10	89	86	81	74	67	59	49	40	
10	KSIL/KCIL2-11	1.10	1.50	32	32	11	98	95	89	82	73	64	54	44	
11	KSIL/KCIL2-12	1.50	2.00	32	32	12	107	103	97	90	81	71	59	47	
12	KSIL/KCIL2-13	1.50	2.00	32	32	13	116	114	106	98	89	78	65	52	
13	KSIL/KCIL2-14	1.50	2.00	32	32	14	125	122	118	105	94	84	69	57	
14	KSIL/KCIL2-15	1.50	2.00	32	32	15	134	130	123	112	100	90	73	60	
15	KSIL/KCIL2-16	2.20	3.00	32	32	16	143	139	131	120	107	96	79	66	
16	KSIL/KCIL2-17	2.20	3.00	32	32	17	152	148	139	128	114	102	85	70	
17	KSIL/KCIL2-18	2.20	3.00	32	32	18	161	157	148	136	121	108	91	76	
18	KSIL/KCIL2-19	2.20	3.00	32	32	19	170	165	156	143	127	113	95	81	
19	KSIL/KCIL2-20	2.20	3.00	32	32	20	179	174	164	150	134	119	100	85	
20	KSIL/KCIL2-21	2.20	3.00	32	32	21	188	183	172	157	141	124	105	88	
21	KSIL/KCIL2-22	2.20	3.00	32	32	22	197	192	180	165	148	130	110	90	
22	KSIL/KCIL2-23	3.00	4.00	32	32	23	204	201	188	173	155	137	117	97	
23	KSIL/KCIL2-24	3.00	4.00	32	32	24	214	210	197	181	163	144	120	105	
24	KSIL/KCIL2-25	3.00	4.00	32	32	25	223	219	205	189	168	151	125	107	
25	KSIL/KCIL2-26	3.00	4.00	32	32	26	232	228	214	198	178	158	130	110	

PERFORMANCE CHART FOR KCIL / KSIL PUMPSETS - 3 SERIES AT RATED VOLTAGE OF 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY																
S. No.	Pump Model	Power Rating		Pipe Size (mm)		No of Stages	DISCHARGE IN m³/hr									
		kW	HP	SUC.	DEL.		1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0	
							TOTAL HEAD IN METRES									
1	KSIL/KCIL3-2	0.37	0.5	32	32	2	13	12	12	11	11	11	10	8	8	
2	KSIL/KCIL3-3	0.37	0.5	32	32	3	19	19	18	17	16	16	15	14	12	
3	KSIL/KCIL3-4	0.37	0.5	32	32	4	25	24	23	22	20	19	18	17	14	
4	KSIL/KCIL3-5	0.37	0.5	32	32	5	31	31	29	27	25	24	22	20	17	
5	KSIL/KCIL3-6	0.55	0.75	32	32	6	37	36	35	33	30	29	28	24	21	
6	KSIL/KCIL3-7	0.55	0.75	32	32	7	43	42	40	37	35	33	31	28	24	
7	KSIL/KCIL3-8	0.75	1.0	32	32	8	51	48	47	44	41	39	37	33	28	
8	KSIL/KCIL3-9	0.75	1.0	32	32	9	56	54	51	48	45	43	40	36	30	
9	KSIL/KCIL3-10	0.75	1.0	32	32	10	62	60	57	54	50	48	45	40	33	
10	KSIL/KCIL3-11	1.1	1.5	32	32	11	69	66	63	60	56	53	50	44	38	
11	KSIL/KCIL3-12	1.1	1.5	32	32	12	75	72	69	65	61	58	55	48	41	
12	KSIL/KCIL3-13	1.1	1.5	32	32	13	80	78	74	70	65	62	58	51	44	
13	KSIL/KCIL3-15	1.1	1.5	32	32	15	92	89	85	80	73	70	66	58	49	
14	KSIL/KCIL3-17	1.5	2.0	32	32	17	107	104	100	94	87	83	79	70	59	
15	KSIL/KCIL3-19	1.5	2.0	32	32	19	119	116	111	104	97	93	88	77	65	
16	KSIL/KCIL3-21	2.2	3.0	32	32	21	133	129	124	117	109	104	99	88	75	
17	KSIL/KCIL3-23	2.2	3.0	32	32	23	146	141	135	128	119	114	108	95	81	
18	KSIL/KCIL3-25	2.2	3.0	32	32	25	158	153	146	138	128	123	117	102	87	
19	KSIL/KCIL3-27	2.2	3.0	32	32	27	170	164	157	148	138	132	125	110	93	
20	KSIL/KCIL3-29	2.2	3.0	32	32	29	182	176	168	159	147	140	133	118	100	
21	KSIL/KCIL3-31	3	4.0	32	32	31	197	191	183	173	161	153	146	128	110	
22	KSIL/KCIL3-33	3	4.0	32	32	33	210	203	194	183	170	162	152	137	116	
23	KSIL/KCIL3-36	3	4.0	32	32	36	228	221	211	200	185	177	168	149	126	

PERFORMANCE CHART FOR KCIL / KSIL PUMPSETS - 4 SERIES AT RATED VOLTAGE OF 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY														
S. No.	Pump Model	Power Rating		Pipe Size (mm)		No of Stages	DISCHARGE IN m³/hr							
		kW	HP	SUC.	DEL.		1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0
							TOTAL HEAD IN METRES							
1	KSIL/KCIL4-2	0.37	0.50	32	32	2	19	18	17	15	13	10	8	6
2	KSIL/KCIL4-3	0.55	0.75	32	32	3	28	27	26	24	20	18	14	10
3	KSIL/KCIL4-4	0.75	1.00	32	32	4	38	36	34	32	27	24	18	13
4	KSIL/KCIL4-5	1.10	1.50	32	32	5	47	45	43	40	34	31	23	17
5	KSIL/KCIL4-6	1.10	1.50	32	32	6	56	54	52	48	41	37	28	20
6	KSIL/KCIL4-7	1.50	2.00	32	32	7	66	63	61	56	48	43	34	24
7	KSIL/KCIL4-8	1.50	2.00	32	32	8	74	72	70	64	55	50	38	27
8	KSIL/KCIL4-9	2.20	3.00	32	32	9	86	81	78	72	63	56	44	32
9	KSIL/KCIL4-10	2.20	3.00	32	32	10	96	90	87	81	71	62	50	34
10	KSIL/KCIL4-11	2.20	3.00	32	32	11	105	99	95	88	78	68	53	39
11	KSIL/KCIL4-12	2.20	3.00	32	32	12	114	108	104	95	85	75	57	41
12	KSIL/KCIL4-13	3.00	4.00	32	32	13	123	117	113	103	93	82	63	45
13	KSIL/KCIL4-14	3.00	4.00	32	32	14	136	126	122	112	101	89	69	48
14	KSIL/KCIL4-15	4.00	5.50	32	32	15	142	135	131	120	108	95	73	52
15	KSIL/KCIL4-16	4.00	5.50	32	32	16	152	144	140	129	115	101	78	55
16	KSIL/KCIL4-17	4.00	5.50	32	32	17	163	153	149	137	122	108	83	62
17	KSIL/KCIL4-18	4.00	5.50	32	32	18	175	162	158	145	129	115	89	65
18	KSIL/KCIL4-19	4.00	5.50	32	32	19	183	171	168	153	137	122	95	67
19	KSIL/KCIL4-20	4.00	5.50	32	32	20	192	180	176	161	144	127	99	72
20	KSIL/KCIL4-21	4.00	5.50	32	32	21	203	190	184	169	152	132	103	75
21	KSIL/KCIL4-22	4.00	5.50	32	32	22	211	200	192	178	160	138	108	79

HIGH CAPABILITY EXCEPTIONAL QUALITY



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COPPER WINDING WIRES

BUY ELECTRIC PUMPS
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WINDING WIRES ONLY.
ENQUIRE BEFORE BUYING.

AGNES

Kirloskar Horizontal Multistage Pump

Applications

Industrial and
Domestic Water
Pressure Boosting

Feed Water
Application
in RO Plants

High Pressure Liquid
Circulation and Pumping
in Industries

Air/conditioning
and Cooling System

Car
Washing

TECHNICAL SPECIFICATION

Head Range - Up to 55 Meters
Discharge Range - Up to 12 m³/h
Power Rating - 0.37 to 2.2 kW (0.5 to 3 HP)
Voltage Range - 220 Volts $\pm$ 10% and 415 Volts $\pm$ 10%
Insulation - F Class
Protection - IP55
Max Liquid Temp - 85° C

MATERIAL OF CONSTRUCTION

Impeller - SS 304
Diffuser - SS 304
Delivery Casing - Cast Iron
Shaft - SS-304
Motor Body - Aluminium
Mechanical Seal - Carbon vs Ceramic

FEATURES

- Industrial and domestic water pressure boosting
- Feed water application in RO plants
- High pressure liquid circulation and pumping in industries
- Air/conditioning and cooling system
- Car washing

ALWAYS BUY PUMPS WITH



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and



LOGOS ON PACKAGING

**PERFORMANCE CHART FOR AGNES 2 SERIES PUMP, 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS,
50 HZ FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY'**

Sr. No.	Pump Model	Power Rating		Current		Pipe Size (mm)		DISCHARGE							
		kW	HP	1Ø	3Ø	Suc	Del	Q (m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6
1	AGNES 2-20	0.37	0.5	2.4	1.1	25	25	Head (m)	18.0	16.0	15.0	13.0	12.0	10.0	8.0
2	AGNES 2-30	0.37	0.5	2.8	1.3	25	25		27.0	24.0	22.0	20.0	18.0	16.0	12.0
3	AGNES 2-40	0.55	0.75	3.3	1.5	25	25		35.0	33.0	30.0	26.0	24.0	21.0	16.0
4	AGNES 2-50	0.55	0.75	3.6	1.9	25	25		45.0	40.0	37.0	33.0	30.0	24.0	19.0
5	AGNES 2-60	0.75	1.0	4.5	2.1	25	25		53.0	50.0	45.0	40.0	36.0	30.0	23.0

**PERFORMANCE CHART FOR AGNES 4 SERIES PUMP, 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS,
50 HZ FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY'**

Sr. No.	Model Pump	Power Rating		Current		Pipe Size (mm)		DISCHARGE								
		kW	HP	1Ø	3Ø	Suc	Del	Q (m³/h)	0	1	2	3	4	5	6	7
1	AGNES 4-20	0.55	0.75	3.5	1.9	32	25	Head (m)	18.0	17.0	16.0	15.0	13.0	12.0	10.0	8.0
2	AGNES 4-30	0.55	0.75	3.5	1.9	32	25		28.0	27.0	25.0	23.0	21.0	19.0	16.0	13.0
3	AGNES 4-40	0.75	1.0	4.5	2.1	32	25		38.0	36.0	34.0	32.0	28.0	26.0	22.0	17.0
4	AGNES 4-50	1.1	1.5	6.2	2.7	32	25		48.0	46.0	43.0	40.0	36.0	33.0	28.0	21.0
5	AGNES 4-60	1.1	1.5	6.2	2.7	32	25		58.0	55.0	52.0	48.0	43.0	39.0	33.0	26.0

**PERFORMANCE CHART FOR AGNES 10 SERIES , 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS,
50 HZ FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY**

Sr. No.	Pump Model	Power Rating		Current		Pipe Size(mm)		DISCHARGE										
		kW	HP	1Ø	3Ø	Suc	Del	Q (m³/h)	0	2	4	6	7	8	9	10	11	12
1	AGNES 10-10	0.75	1.0	2.9	1.4	38	32	Head (m)	10.1	9.8	9.6	9.1	8.7	8.2	7.7	6.8	5.8	-
2	AGNES 10-20	0.75	1.0	4.4	1.9	38	32		19.5	19	18.7	17.9	17.1	16.3	15.3	14.0	12.5	10.6
3	AGNES 10-30	1.1	1.5	6.3	2.6	38	32		29.3	28.6	28.3	27.1	26.3	24.9	23.4	21.4	19.3	16.9
4	AGNES 10-40	1.5	2.0	8.2	3.3	38	32		38.1	39.6	39.8	38.6	37.6	35.9	33.9	31.2	28.2	24.6
5	AGNES 10-50	2.2	3.0	10.0	4.1	38	32		49.9	49.2	49.1	47.8	46.4	44.4	42.2	39.5	35.9	31.1

Note:

- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

Established 1888

A Kirloskar Group Company

Registered Office & Global Headquarters: "Yamuna", Survey No. 98/(3 to7),

Plot No. 3, Baner, Pune - 411 045, Maharashtra, India **Tel:** +91(20)27214444,

Email: marketing@kbl.co.in, **Website:** www.kirloskarpumps.com

CIN No.: L29113PN1920PLC000670



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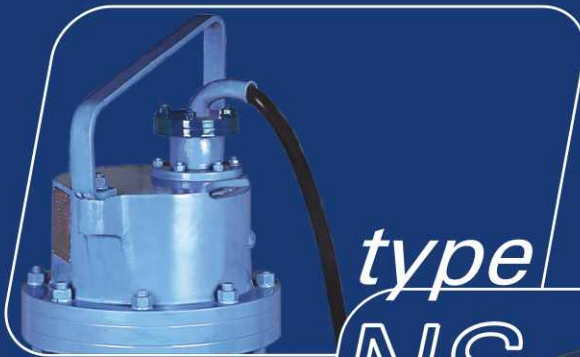
(OR) Call on Toll Free Number:

1800 123 4443



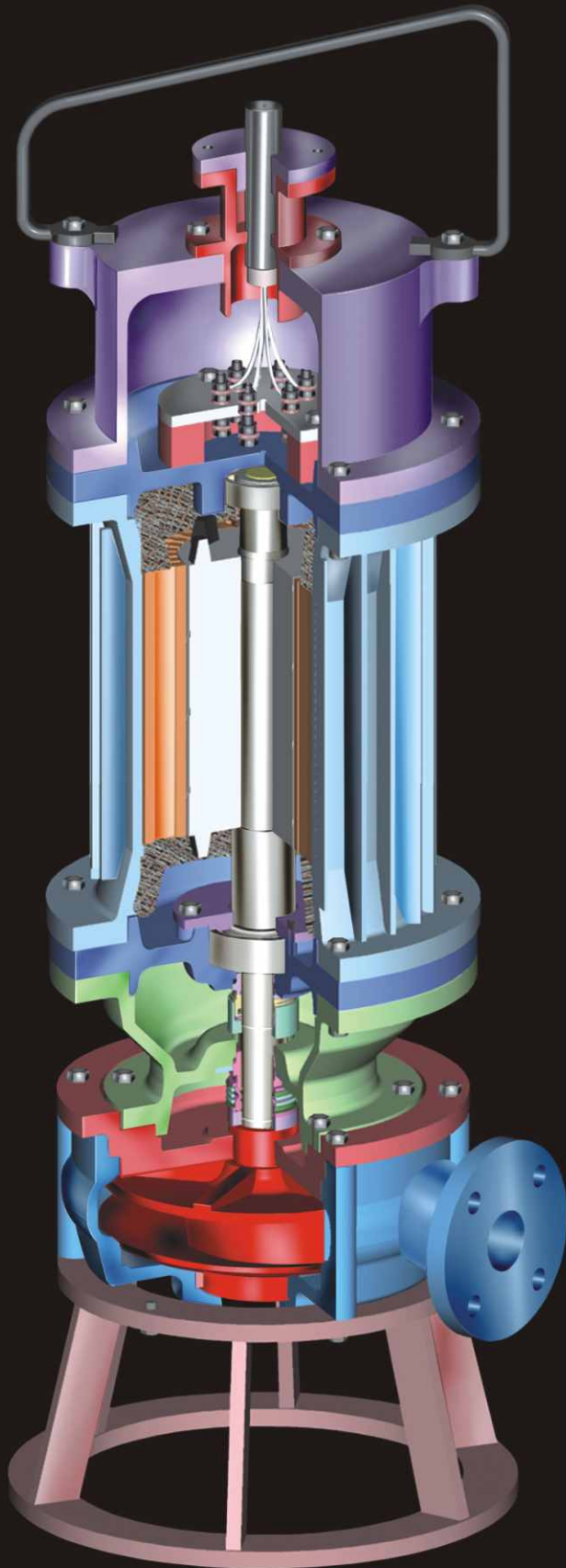
Enriching Lives

SUBMERSIBLE SEWAGE PUMPS



type
NS





RANGE

Delivery size upto 300 mm

Capacity upto 1800 m³/hr (Max.)

Head upto 90 m (Max.)

Max. permissible solid size up to 300 mm

APPLICATIONS

Screened sewage

Raw sewage

Contaminated effluents

Industrial waste water

Storm water

Trench and Tunnel water

Drain water, Mine water etc.

SUBMERSIBLE SEWAGE PUMPS TYPE - NS

CONSTRUCTIONAL FEATURES

These are single stage, single suction pumps with overhung non-clogging impeller. Pumps can be offered in stationary as well as transportable arrangements. The stationary arrangement is supplied with pump connector unit and the connector unit is connected to pump support bracket with rubber diaphragm to make it leak proof joint.

PUMP CASING

The radially split casing is provided with delivery nozzle cast integral with it. Suction is axial and delivery nozzle is central and horizontal. Specially designed semi-concentric casing results in reduced radial thrust and ensures vibration-free performance. Wide volute passage ensures non-clogging operation of the pump.

IMPELLER

Impellers are of non-clog type which allow smooth passage of solids.

Impellers are with single or multi vanes in semi-open, enclosed, or free flow designs to cater to wide applications.

SHAFT

The high tensile steel shaft accurately machined and ground is supported by two ball bearings in the motor above the impeller. Shaft is designed to transmit the power without undue vibrations and deflections. The shaft is common for pump and motor of monoblock design.

MECHANICAL SEALS

Two mechanical seals in tandem arrangement are provided to ensure no ingress of water or sewage in motor.

OPTIONAL FEATURES

- a. Pumps can be supplied with "Cutter Fan" arrangement at suction to agitate the liquid
- b. Semi-open impellers can be provided with specially designed wear plate for cutting and tearing of soft, long fibrous material.

BEARINGS

Bearings are grease lubricated and sealed for life, hence maintenance free.

DIRECTION OF ROTATION

Clockwise when viewed from motor top.

DRIVE

Motor is dry type submersible and cooled by liquid being handled. Motors are air tested for leakfree operation.

Degree of protection for motor is IP68 as per IS:2147

Class of insulation : F

Voltage : 415V $\pm$ 10%

Frequency : 50 Hz. $\pm$ 5%

Type of starting : As per requirement (DOL/Star Delta/ATS)

CABLE

A specially designed cable, 1.1 kV grade having annealed tinned copper conductor, insulated with Electron Beam Irradiated cross-linked elastomeric compound (compatible for continuous operation at 120° C) cores laid up with a proof cotton binder tape and sheathed overall with Electron Beam Irradiated Cross-linked HD HOFR elastomeric compound and generally conforming to IS 9968 Part I. The cable with this unique combination of insulating and sheathing material offers best resistance to acidic or alkaline sewage medium and to the effluent gases coming out of the sump. The cable is more flexible than PVC cable making coiling and handling easier and light in weight compared to PVC cable of the same size.

CONTROL PANEL

Control panel consists of starter, switch, fuse and safety features.

Safety features are:

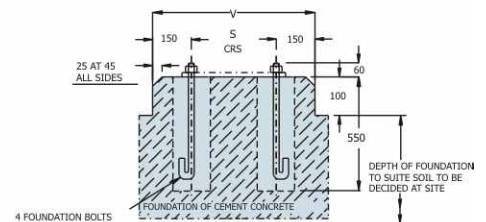
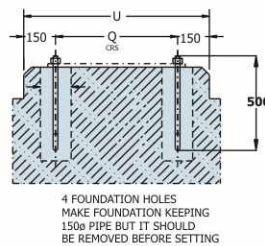
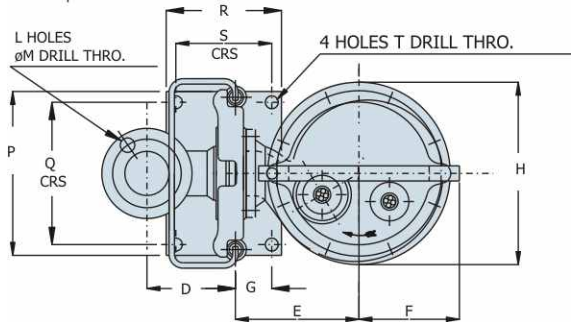
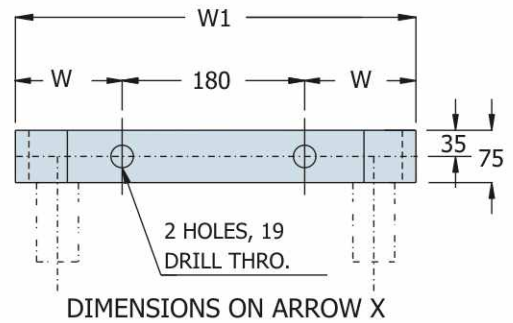
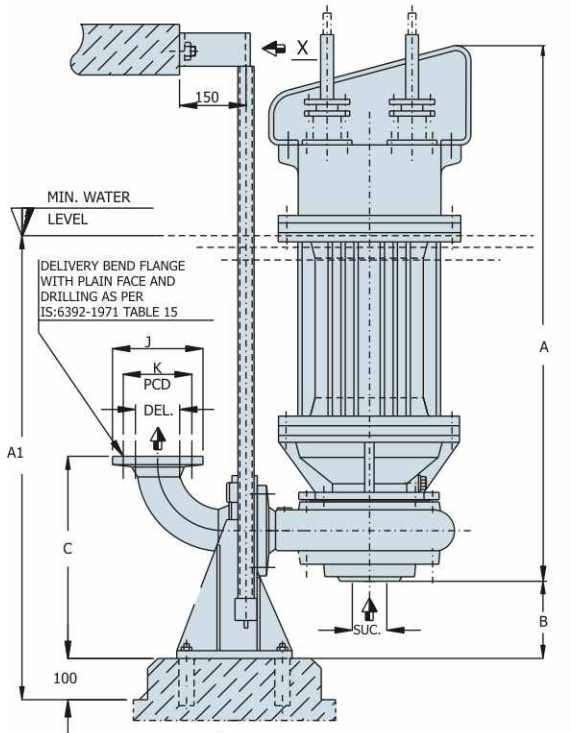
-  Single phasing prevention
-  Overload relays
-  Moisture sensing unit for detecting ingress of moisture or water into oil chamber.
-  Liquid level controllers to avoid dry running.
-  Under voltage / Reverse phasing

FLANGES

Standard drilling to IS 6392 table 15.

SUBMERSIBLE SEWAGE PUMPS TYPE - NS

STATIONARY INSTALLATION I & II

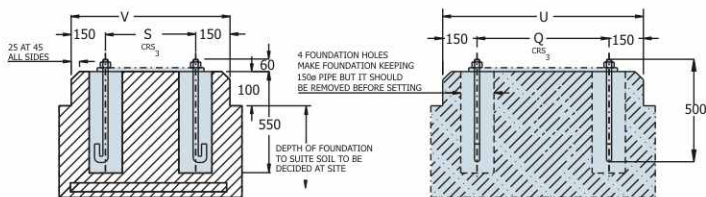
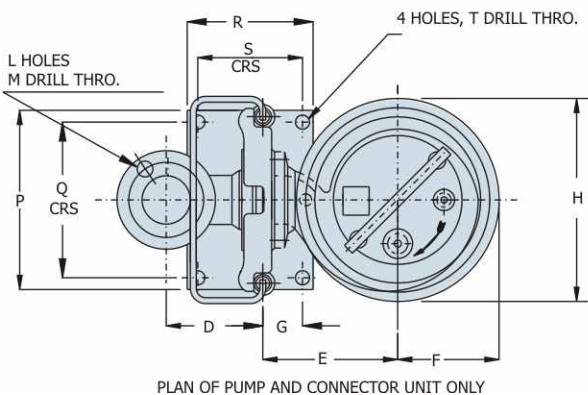
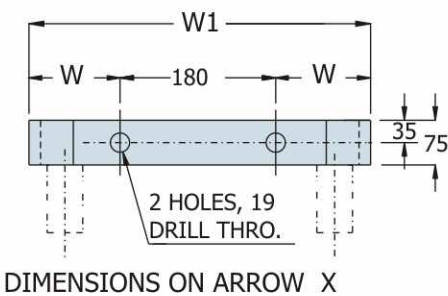
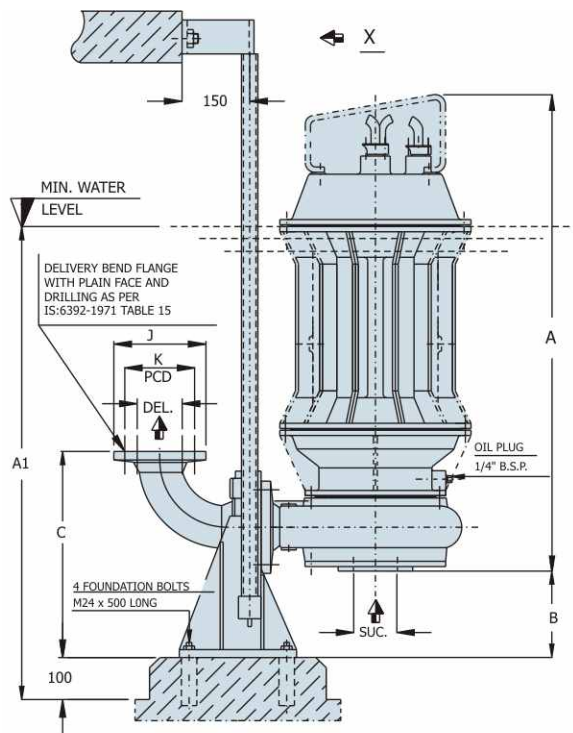


PLAN OF PUMP AND CONNECTOR UNIT ONLY

PUMP TYPE	MOTOR UNIT	SUC. & DEL. SIZE																								GUIDE PIPE I.D/O.D	FOUNDATION BOLT SIZE	
		NOMINAL SIZE		OPENING SIZE		A	B	C	D	E	F	G	H	J	K	L/M	P	Q	R	S	T	U	V	W	W1			A1
		NWS	NWD	NWS	NWD									DIA	P.C.D		CRS		CRS									
NS 50/20	I	80	50	82	50	985	173	491	256	239	225	55	460	165	125	4/18	320	260	200	150	24	560	450	70	320	900	32/43	M20 x 500 L.
NS 50/20	II	80	50	82	50	1085	173	491	256	239	225	55	460	165	125	4/18	320	260	200	150	24	560	450	70	320	900		
NS 50/26	I	65	50	75	50	1020	150	491	256	284	225	55	460	165	125	4/18	320	260	200	150	24	560	450	70	320	900		
NS 50/32	II	65	50	65	50	1030	135	491	256	309	225	55	460	165	125	4/18	320	260	200	150	24	560	450	70	320	900		
NS 65/32	I	80	65	84	65	1030	140	542	312	309	225	55	460	185	145	4/18	330	270	225	175	24	570	475	80	340	900	51 / 61	M20 x 500 L.
NS 65/32	II	80	65	84	65	1130	140	542	312	309	225	55	460	185	145	4/18	330	270	225	175	24	570	475	80	340	900		
NS 80/26	I	100	80	105	80	1035	150	595	350	279	225	60	460	200	160	8/18	360	300	250	200	24	600	500	110	400	900		
NS 80/26	II	100	80	105	80	1135	150	595	350	279	225	60	460	200	160	8/18	360	300	250	200	24	600	500	110	400	900		
NS 100/26	I	125	100	130	100	1050	170	468	198	309	225	80	460	220	180	8/18	385	325	280	230	24	625	530	130	440	900	66/77	M24 x 500 L.
NS 100/26	II	125	100	130	100	1150	170	468	198	309	225	80	460	220	180	8/18	385	325	280	230	24	625	530	130	440	1000		
NS 100/32	II	125	100	130	100	1150	170	468	198	344	225	80	460	220	180	8/18	385	325	280	230	24	625	530	130	440	1000		
NS 150/26	II	150	150	165	150	1180	185	553	248	390	245	100	510	285	240	8/23	500	420	355	280	30	720	580	205	590	1000		
NS 150/32	II	150	150	165	150	1180	190	553	248	435	245	100	510	285	240	8/23	500	420	355	280	30	720	580	205	590	1000		

SUBMERSIBLE SEWAGE PUMPS TYPE - NS

STATIONARY INSTALLATION III



PUMP TYPE			SUC. & DEL. SIZE																						GUIDE PIPE I.D/O.D	FOUNDATION BOLT SIZE	
	NOMINAL SIZE		OPENING SIZE		A	B	C	D	E	F	G	H	J DIA	K P.C.D	L/M	P	Q CRS	R	S CRS	T	U	V	W	W1			A1
	NWS	NWD	NWS	NWD																							
NS 80/40	100	80	100	80	1305	165	595	350	384	265	60	530	200	160	8/18	360	300	250	200	24	600	500	110	400	1200	51/61	M20X 500L M20X 500L M24X 500L
NS 100/32	125	100	130	100	1325	170	468	198	344	265	80	530	220	180	8/18	385	325	280	230	24	625	530	130	440	1225		
NS 100/40	125	100	125	100	1335	170	468	198	384	265	80	530	220	180	8/18	385	325	280	230	24	625	530	130	440	1235		
NS 150/26	150	150	165	150	1355	185	553	248	390	265	100	530	285	240	8/23	500	420	355	280	30	720	580	205	590	1270	66/77	M24X 500L M24X 500L M24X 500L
NS 150/32	150	150	165	150	1350	190	553	248	435	265	100	530	285	240	8/23	500	420	355	280	30	720	580	205	590	1270		
NS 150/40	150	150	160	150	1350	190	553	248	435	285	100	560	285	240	8/23	500	420	355	280	30	720	580	205	590	1270		
NS 200/32	200	200	202	200	1360	215	640	300	435	280	110	550	340	295	12/23	560	480	380	300	30	780	600	225	630	1300	66/77	M24X 500L M24X 500L M24X 500L
NS 200/40	200	200	185	200	1370	210	640	300	435	285	110	560	340	295	12/23	560	480	380	300	30	780	600	225	630	1300		