100 1920 2020

KIRLOSKAR BROTHERS LTD.

Kirloskar

Enriching Lives

KIRLOSKAR PUMPS

WORLD CLASS PUMPING SOLUTIONS

ORIGINAL KIRLOSKAR PUMP™

Est. 1888

PRODUCT CATALOGUE

KIRLOSKAR BROTHERS LIMITED
A Kirloskar Group Company

A HISTORY OF EXCELLENCE

Kirloskar Brothers Limited is a world-class pump manufacturing company with experience in engineering and manufacture of systems for fluid management. Established in 1888 and incorporated in 1920, KBL is the flagship company of the $2.1 billion Kirloskar Group. The market leader in fluid management, KBL provides complete fluid management solutions for large infrastructure projects in the areas of water supply, power plants, irrigation, oil & gas and marine & defence.

KBL's commitment to quality and sustainability is as reliable as its products. This is why all plants of KBL are ISO 9001 & ISO 14001, OHSAS 18001, ISO 14000 Environment Standard Certified. The plants apply Total Quality Management tools using European foundation for Quality Management (EFQM) model.

As one of the largest pump manufacturers in India, KBL offers over 75 types of pumps in over 500 variants with up to 1,200 metre head and discharge of up to 120,000 cubic metres per hour. These pumps ensure the lowest life cycle cost; this is because KBL pumps offer maximum reliability under all operating conditions, ensuring trouble-free operations at all times and eliminating costly downtime. Additionally, KBL pumps are constructed with materials that offer the best resistance to corrosion and abrasion, enhancing performance for years together.

Technological innovations employed in pump engineering also reduce overall energy use, enhancing efficiency and cost savings.


Kirloskar
Enriching Lives
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INDUSTRIAL PRODUCT RANGE

Monobloc Pumps - Three Phase

KDI

KDS/GMC

KDT

SRF

KS

Openwell Submersible Pumps - Three Phase

KOSM

KOS

Self Priming Pumps

SP BARESHAFT

SP MONOBLOC

SP COUPLED SET

Vacuum Pumps

KV

DV

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INDUSTRIAL PRODUCT RANGE

Vertical Multistage Pumps

KVM

Vertical Inline Pumps

KCIL

KSIL

SS - Monobloc Pumps

BCH

KSMB

Sewage / Dewatering Pumps

ETERNA CW

CUTTER PUMP - CWC

SW

BW

Swimming Pool Pumps

KPP

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DOMESTIC PRODUCT RANGE

Monobloc Pumps - Single Phase

KDS

KAM

DC

HASTI

PUMBA PUZHA

Openwell Submersible Pump - Single Phase

KOSi

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DOMESTIC PRODUCT RANGE

Self Priming Pumps

TINY

PEARL

CHHOTU

STAR GALAXY

POPULAR LV

MINI 28S

WAVE

SPLASH

CRYSTAL

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DOMESTIC PRODUCT RANGE

Self Priming Pumps

MINI 40S

MINI 50S

MEGA 54S

CMS

CBR 140

AQUA

V-FLOW

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DOMESTIC PRODUCT RANGE

Self Priming Pumps - Ultra Series


CHHOTU STAR ULTRA


JALRAAJ - 1 ULTRA


JALRAAJ ULTRA


STAR ULTRA


WONDER III ULTRA


POPULAR ULTRA

Self Priming Pumps - Sparkle


SPARKLE BLUE


SPARKLE GREEN


SPARKLE YELLOW


SPARKLE RED

Jet Pump


KJ

Shallow Well Pumps


KSW


LIFTER

Pressure Boosting System


CPBS

HI - Lifiter


HL

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SUBMERSIBLE PRODUCT RANGE

Borewell Submersible Oil Filled Pumps

KP3S

KU4

KP4

KU6

Borewell Submersible Water Filled Pumps

KS3

KS4

Open-Well Submersible Pumps


JOS

Borewell Submersible Pumps - 6", 7", 8" and 9"

KS6

KS7

KS8

KS9


HHF/HHN

Vertical Open-Well Pumps


JVS

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OTHER PRODUCT RANGE

End-Suction Pumps


NWD


NW


KE


KH


KHDT


SR

Useful Pump Accessory


K-KLEEN 25

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CONTENT

Enriching Lives

CONTENT

Enriching Lives

CONTENT

Enriching Lives

CONTENT

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INDUSTRIAL
PRODUCT RANGE

MONOBLOC PUMPS
Three Phase

Enriching Lives

KDI

THREE PHASE
MONOBLOC PUMPS

FEATURES

Flatter Efficiency Curve

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

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.

Designed to Prevent Overloading

Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.

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.

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.

Automatic Air Release

Automatically releases air when the pump starts which ensures swifter and smoother operations, thus eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

Mechanical Seal

Superior quality of mechanical seal ensures zero leakage, lower friction loss, protects from wearing of shaft, thus resulting in easy maintenance and longer life.

TECHNICAL SPECIFICATION

Head Range	:	Upto 76 metres
Discharge Range	:	Upto 39 lps
Power Ratings	:	1.5 to 22 kW (2 to 30 HP)
Voltage Range	:	350 to 440 Volts (Three Phase)
Insulation	:	F Class
Protection	:	IP 55

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron / Bronze / Stainless Steel
Delivery Casing	:	Cast Iron
Motor Body	:	Cast Iron
Pump Shaft	:	Stainless Steel
Sealing	:	Mechanical Seal

APPLICATIONS

- Air conditioning and refrigeration systems
- Cooling towers
- Clear water handling at high pressure in industries
- Irrigation in horticulture & agriculture
- Fire fighting systems

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PERFORMANCE CHART FOR 'KDI' SERIES, 2 POLE, MONOBLOC 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 METRES														
		kW	HP	SUC.	DEL.		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
							DISCHARGE IN LITRES PER SECOND															
1	KDI-216+	1.5	2	65	50	415	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-	-
2	KDI-225++	1.5	2	50	40	415	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	-	-	-	-	-	-
3	KDI-318++	2.2	3	65	50	415	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	-	-
4	KDI-318++	2.2	3	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	-	-
5	KDI-325++	2.2	3	65	50	415	-	9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9	-	-	-	-	-	-
6	KDI-515	3.7	5	100	100	415	32.8	31.0	28.0	24.2	19.0	12.5	-	-	-	-	-	-	-	-	-	-
7	KDI-520+	3.7	5	80	80	415	24.0	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0	-	-	-	-	-	-	-
8	KDI-527++	3.7	5	80	65	415	-	-	-	-	-	14.3	13.5	12.5	11.6	10.3	8.7	6.4	-	-	-	-
9	KDI-822++	5.5	7.5	100	100	415	-	-	-	27.3	25.6	24.0	22.2	20.1	17.6	14.5	-	-	-	-	-	-
10	KDI-830++	5.5	7.5	80	65	415	-	-	-	-	-	19.0	18.2	17.3	16.4	15.4	14.2	12.7	11.1	-	-	-
11	KDI-1030+	7.5	10	100	100	415	-	-	-	32.0	31.0	29.8	28.5	27.0	25.0	23.5	21.0	18.0	-	-	-	-
12	KDI-1331+	9.3	12.5	100	100	415	-	-	37.5	36.5	35.5	34.5	33.4	32.0	30.5	29.0	26.5	23.8	19.8	12.0	-	-
							8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	40
13	KDI-235+	1.5	2	50	40	415	-	4.1	4.1	4.1	3.7	3.5	3.4	3.2	3.0	2.5	2.2	1.8	1.3	0.5	-	-
14	KDI-335++	2.2	3	50	40	415	-	-	5.7	4.9	4.8	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.2	2.7	2.0	-
15	KDI-538+	3.7	5	65	50	415	-	-	-	-	-	-	8.5	8.4	8.3	8.1	7.8	7.6	7.1	6.5	5.8	-
16	KDI-837+	5.5	7.5	65	65	415	-	-	-	-	-	-	-	-	12.6	12.5	12.2	11.8	11.1	10.3	9.0	-
17	KDI-1040+	7.5	10	80	65	415	-	23.5	23.0	22.6	22.2	21.6	20.9	20.3	19.5	18.7	17.9	17.0	15.7	14.6	13.4	9.6
18	KDI-1537+	11	15	100	100	415	-	39.0	38.5	38.0	37.2	36.5	35.3	34.5	33.0	31.6	30.0	28.0	25.0	22.0	17.5	-

S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS															
		kW	HP	SUC.	DEL.		14	16	18	20	22	24	26	28	30	32	34	36	40	44	48	52	56	60
							DISCHARGE IN LITRES PER SECOND																	
19	KDI-550++	3.7	5	50	40	415	-	-	-	-	-	-	-	-	-	-	-	4.1	3.7	3.3	2.7	2.0	-	-
20	KDI-844++	5.5	7.5	65	65	415	-	-	-	-	-	-	-	10.3	9.9	9.5	9.0	8.4	7.1	4.7	-	-	-	-
21	KDI-852++	5.5	7.5	65	50	415	-	-	-	-	-	-	-	-	-	8.6	8.3	8.1	7.5	6.8	5.9	4.5	-	-
22	KDI-1050+	7.5	10	65	65	415	-	-	-	-	-	-	-	12.5	12.2	12.0	11.7	11.4	10.7	9.6	8.1	6.0	-	-
23	KDI-1348+	9.3	12.5	80	65	415	-	-	-	19.5	19.2	19.0	18.5	18.2	17.5	17.3	16.5	15.8	14.3	11.9	6.0	-	-	-
24	KDI-1555+	11	15	80	65	415	-	-	-	-	19.9	19.8	19.6	19.5	19.4	19.2	18.8	18.5	17.4	16.0	14.5	12.2	-	-
25	KDI-2050+	15	20	100	80	415	35.0	34.2	33.8	33.0	32.2	30.9	30.4	29.8	29.5	28.8	28.0	27.0	25.0	22.5	19.4	13.0	-	-
							18	22	26	28	30	32	34	36	40	44	48	52	56	60	64	68	72	76
26	KDI-1065+	7.5	10	65	50	415	-	-	-	-	-	-	-	-	7.8	7.4	6.9	6.4	5.8	5.1	4.3	3.0	-	-
27	KDI-1360+	9.3	12.5	65	50	415	12.8	12.7	12.6	12.5	12.3	12.2	12	11.7	11.3	10.7	10	9	8.25	7	-	-	-	-
28	KDI-1570+	11	15	65	50	415	-	-	-	13.4	13.2	13.0	12.8	12.7	12.5	11.7	11.5	10.7	9.7	9.0	8.0	6.5	-	-
29	KDI-1575+	11	15	65	50	415	-	-	-	-	-	-	-	-	-	-	-	8.1	7.7	7.4	6.9	6.4	5.8	4.9
30	KDI-2560+	18.5	25	100	80	415	-	-	-	-	-	-	-	-	-	26	23.5	21	17	7	-	-	-	-
31	KDI-3068+	22	30	100	80	415	-	-	-	-	-	-	-	-	-	-	28.0	26.5	24.5	21.5	17.5	10.0	-	-

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KDS/GMC

THREE PHASE
MONOBLOC PUMPS

FEATURES

Flatter Efficiency Curve

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

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.

Designed to Prevent Overloading

Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.

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.

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.

Automatic Air Release

Automatically releases air when the pump starts which ensures swifter and smoother operations, thus eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

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.

TECHNICAL SPECIFICATION

Head Range	:	Upto 76 metres
Discharge Range	:	Upto 49 lps
Power Ratings	:	0.37 to 22 kW (0.5 to 30 HP)
Voltage Range	:	300 to 440 Volts (Three Phase)
Insulation	:	B Class (upto 7.5 HP) / F Class (above 7.5 HP)
Protection	:	IP 44 / IP 55

MATERIAL OF CONSTRUCTION

		GMC	KDS
Impeller	:	Cast Iron / Noryl	Cast Iron
Delivery Casing	:	Cast Iron	Cast Iron
Motor Body	:	Cast Iron	Cast Iron
Pump Shaft	:	Carbon Steel/ Stainless Steel	Carbon Steel
Sealing	:	Mechanical Seal	Gland Packed

APPLICATIONS

- Air conditioning and refrigeration systems
- Cooling towers
- Clear water handling at high pressure in industries
- Irrigation in horticulture & agriculture
- Fire fighting systems

PERFORMANCE CHART FOR 'KDS+ / KDS++ / GMC' SERIES, 2 POLE, MONOBLOC 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 METRES																
		kW	HP	SUC.	DEL.		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	40
							DISCHARGE IN LITRES PER SECOND																
1	KDS0510*	0.37	0.5	50	40	415	3.4	2.6	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	GMC-112	0.75	1.02	50	50	415	6.9	5.5	3.9	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-
3	GMC-116++*	0.75	1.02	50	40	415	5.4	5.0	4.6	4.2	3.6	3.0	2.0	-	-	-	-	-	-	-	-	-	-
4	GMC-123+*	0.75	1.02	32	25	415	-	-	4.0	3.6	3.2	2.7	2.2	1.6	0.9	-	-	-	-	-	-	-	-
5	GMC-128+*	0.75	1.02	40	40	415	-	-	-	-	1.9	1.8	1.7	1.5	1.4	1.1	0.8	0.4	-	-	-	-	-
6	GMC-134	0.75	1.02	25	25	415	-	-	-	-	-	1.7	1.6	1.5	1.4	1.2	1.0	0.9	0.7	0.4	-	-	-
7	GMC-1.514+	1.1	1.5	50	50	415	-	8.3	7.1	5.7	3.6	-	-	-	-	-	-	-	-	-	-	-	-
8	GMC-1.522++	1.1	1.5	50	40	415	-	6.3	5.9	5.5	5.1	4.5	3.9	3.1	1.8	-	-	-	-	-	-	-	-
9	GMC-1.525+	1.1	1.5	50	40	415	2.6	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.8	1.6	-	-	-	-	-	-
10	GMC-1.540	1.1	1.5	32	25	415	-	-	-	-	-	-	-	-	2.0	1.9	1.7	1.6	1.5	1.3	1.1	0.9	0.6
11	KDS-212+	1.5	2	80	80	415	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-
12	KDS-216++*	1.5	2	65	50	415	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-	-	-
13	KDS-225++**	1.5	2	50	40	415	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	-	-	-	-	-	-	-
14	KDS-235+	1.5	2	50	40	415	-	-	4.1	4.1	4.1	3.7	3.5	3.4	3.2	3.0	2.5	2.2	1.8	1.3	0.5	-	-
15	KDS-314+*	2.2	3	80	80	415	19.0	18.0	16.4	14.5	12.0	-	-	-	-	-	-	-	-	-	-	-	-
16	KDS-318++**	2.2	3	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	-	-	-
17	KDS-325++**	2.2	3	65	50	415	-	-	9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9	-	-	-	-	-	-
18	KDS-335++*	2.2	3	50	40	415	-	-	-	5.7	4.9	4.8	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.2	2.7	2.0	-
19	KDS-515+*	3.7	5	100	100	400	32.8	31.0	28.0	24.2	19.0	12.5	-	-	-	-	-	-	-	-	-	-	-
20	KDS-520+*	3.7	5	80	80	400	24.0	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0	-	-	-	-	-	-	-	-
21	KDS-527++**	3.7	5	80	65	400	-	-	-	-	-	14.3	13.5	12.5	11.6	10.3	8.7	6.4	-	-	-	-	-
22	KDS-538+**	3.7	5	65	50	400	-	-	-	-	-	-	-	8.5	8.4	8.3	8.1	7.8	7.6	7.1	6.5	5.8	-
23	KDS-822++*	5.5	7.5	100	100	400	-	-	-	27.3	25.6	24.0	22.2	20.1	17.6	14.5	-	-	-	-	-	-	-
24	KDS-830++*	5.5	7.5	80	65	400	-	-	-	-	-	19.0	18.2	17.3	16.4	15.4	14.2	12.7	11.1	-	-	-	-
25	KDS-837	5.5	7.5	65	65	400	-	-	-	-	-	-	-	-	-	12.6	12.5	12.2	11.8	11.1	10.3	9.0	-
26	KDS-1030++**	7.5	10	100	100	415	-	-	-	32.0	31.0	29.8	28.5	27.0	25.0	23.5	21.0	18.0	-	-	-	-	-
27	KDS-1040+*	7.5	10	80	65	415	-	-	23.5	23.0	22.6	22.2	21.6	20.9	20.3	19.5	18.7	17.9	17.0	15.7	14.6	13.4	9.6
28	KDS-1331+*	9.3	12.5	100	100	415	-	-	37.5	36.5	35.5	34.5	33.4	32.0	30.5	29.0	26.5	23.8	19.8	12.0	-	-	-
29	KDS-1537+*	11	15	100	100	415	-	39.0	38.5	38.0	37.2	36.5	35.3	34.5	33.0	31.6	30.0	28.0	25.0	22.0	17.5	-	-
30	KDS-2030+	15	20	125	125	415	-	-	-	-	-	49.0	47.0	45.0	42.0	39.0	35.0	30.0	21.0	-	-	-	-

PERFORMANCE CHART FOR 'KDS+ / KDS++ / GMC' SERIES, 2 POLE, MONOBLOC 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 METRES																
							14	16	18	20	22	24	26	28	30	32	34	36	40	44	48	52	56
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																
31	KDS-550++*	3.7	5	50	40	400	-	-	-	-	-	-	-	-	-	-	-	4.1	3.7	3.3	2.7	2.0	-
32	KDS-844++	5.5	7.5	65	65	400	-	-	-	-	-	-	-	10.3	9.9	9.5	9.0	8.4	7.1	4.7	-	-	-
33	KDS-852++	5.5	7.5	65	50	400	-	-	-	-	-	-	-	-	-	8.6	8.3	8.1	7.5	6.8	5.9	4.5	-
34	KDS-1050+*	7.5	10	65	65	415	-	-	-	-	-	-	-	12.5	12.2	12.0	11.7	11.4	10.7	9.6	8.1	6.0	-
35	KDS-1348+*	9.3	12.5	80	65	415	-	-	-	19.5	19.2	19.0	18.5	18.2	17.5	17.3	16.5	15.8	14.3	11.9	6.0	-	-
36	KDS-1555+*	11	15	80	65	415	-	-	-	-	19.9	19.8	19.6	19.5	19.4	19.2	18.8	18.5	17.4	16.0	14.5	12.2	-
37	KDS-2050+*	15	20	100	80	415	35.0	34.2	33.8	33.0	32.2	31.9	30.4	29.8	29.5	28.8	28.0	27.0	25.0	22.5	19.4	13.0	-

PERFORMANCE CHART FOR 'KDS+ / KDS++ / GMC' SERIES, 2 POLE, MONOBLOC 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 METRES																
							18	22	26	28	30	32	34	36	40	44	48	52	56	60	64	68	72	76
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																	
38	KDS-1065+	7.5	10	65	50	415	-	-	-	-	-	-	-	-	7.8	7.4	6.9	6.4	5.8	5.1	4.3	3.0	-	-
39	KDS-1360+*	9.3	12.5	65	50	415	12.8	12.7	12.6	12.5	12.3	12.2	12	11.7	11.3	10.7	10	9	8.25	7	-	-	-	-
40	KDS-1570+*	11	15	65	50	415	-	-	-	13.4	13.2	13.0	12.8	12.7	12.5	11.7	11.5	10.7	9.7	9.0	8.0	6.5	-	-
41	KDS-1575+	11	15	65	50	415	-	-	-	-	-	-	-	-	-	-	-	8.1	7.7	7.4	6.9	6.4	5.8	4.9
42	KDS-2560+*	18.5	25	100	80	415	-	-	-	-	-	-	-	-	-	26	23.5	21	17	7	-	-	-	-
43	KDS-3068+*	22	30	100	80	415	-	-	-	-	-	-	-	-	-	-	28.0	26.5	24.5	21.5	17.5	10.0	-	-

Note:

* Marked pumps are ISI certified and ** Marked pumps are star rated.

GMC-128+ can also be offered with pipe size 50x40 mm, 50x40 mm. KDS-318+ can also be offered with pipe size 65x50 mm.

All the pump set from 0.5 H.P To 1.5 H.P in mechanical seal arrangement .

2 H.P to 20 H.P gland pack arrangement except - KDS-212+ it is supplied only in mechanical seal arrangement.

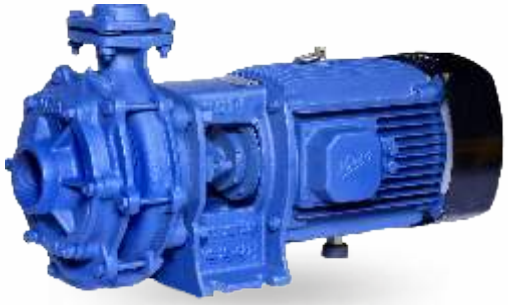
Performance applicable to liquid of specific gravity 1 and viscosity as of water.

Enriching Lives

KDT

THREE PHASE
MONOBLOC PUMPS

❖ TWO STAGE ❖



FEATURES

Flatter Efficiency Curve

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

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.

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.

Designed to Prevent Overloading

Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.

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.

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.

Automatic Air Release

Automatically releases air when the pump starts which ensures swifter and smoother operations, thus eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

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.

TECHNICAL SPECIFICATION

Head Range	:	Upto 98 metres
Discharge Range	:	Upto 20 lps
Power Ratings	:	3.7 to 15 kW (5 to 20 HP)
Voltage Range	:	300 to 440 Volts (Three Phase)
Insulation	:	B / F Class
Protection	:	IP 44 / IP 55

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron / Bronze / Stainless Steel
Delivery Casing	:	Cast Iron
Motor Body	:	Cast Iron
Pump Shaft	:	Carbon Steel / Stainless Steel
Sealing	:	Gland Packed / Mechanical Seal

APPLICATIONS

- Air conditioning and refrigeration systems
- Cooling towers
- Clear water handling at high pressure in industries
- Fire fighting systems
- Industrial pressure boosting

PERFORMANCE CHART FOR 'KDT+' SERIES, 2 POLE, MONOBLOC 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 METRES											
		kW	HP	SUC.	DEL.		28	32	36	40	44	48	52	56	60	64	68	72	76
							DISCHARGE IN LITRES PER SECOND												
1	KDT-544*	3.7	5	65	50	400	6.8	6.2	5.6	4.8	3.5	-	-	-	-	-	-	-	-
2	KDT-568+	3.7	5	50	40	400	-	-	4.3	4.0	3.7	3.4	3.0	2.5	2 .0	1.2	-	-	-
3	KDT-844+	5.5	7.5	80	65	400	11.8	10.9	10.0	9.0	7.5	-	-	-	-	-	-	-	-
4	KDT-864+*	5.5	7.5	65	50	400			7.3	7.0	6.5	6 .0	5.5	5.0	4.2	2.7	-	-	-
5	KDT-1050+*	7.5	10	80	65	415	13.8	13.2	12.4	11.5	10.5	9.2	7.8	-	-	-	-	-	-
6	KDT-1078+	7.5	10	65	50	415	-	-	8.2	8.0	7.8	7.5	7.1	6.7	6.2	5.6	4.9	4 .0	2.0
7	KDT-1372+*	9.3	12.5	65	65	415	-	-	11.5	11.0	10.5	9.5	9.2	9.0	7.8	7 .0	6 .0	4.5	2.5
8	KDT-2070+*	15	20	80	65	415	-	-	-	20.0	19.0	18.0	17.0	16.0	15.0	13.5	12.0	9.0	-
							48	52	56	60	64	68	72	76	80	90	94	98	-
9	KDT-1388+	9.3	12.5	65	50	415	-	-	-	7.5	6.9	6.5	6.2	5.8	5.4	3.8	-	-	-
10	KDT-1580+*	11	15	65	65	415	11.2	10.5	10.1	9.5	9.0	8.3	7.8	7.1	6.2	3.2	-	-	-
11	KDT-1598+	11	15	65	50	415	-	-	-	-	-	-	7.8	7.1	6.7	5.7	5.3	4.8	-
12	KDT-2095+*	15	20	65	65	415	-	-	-	-	-	12.0	11.5	10.9	10.2	8.0	7.0	5.5	-

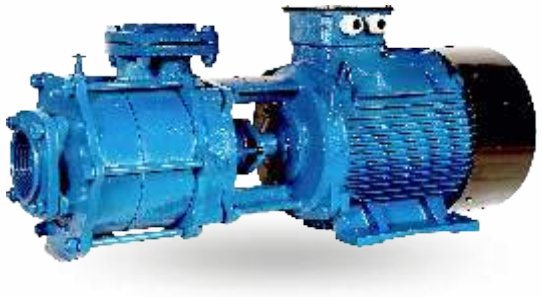
Note: * Marked pumps are ISI certified.
Performance applicable to liquid of specific gravity 1 and viscosity as of water.

Enriching Lives

SRF

THREE PHASE
MONOBLOC PUMPS

❖ TWO STAGE ❖



FEATURES

Flatter Efficiency Curve

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

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.

Designed to Prevent Overloading

Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.

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.

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.

Automatic Air Release

Automatically releases air when the pump starts which ensures swifter and smoother operations, thus eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

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.

TECHNICAL SPECIFICATION

Head Range	:	Upto 94 metres
Discharge Range	:	Upto 28.5 lps
Power Ratings	:	18.3 to 22 kW (25 to 30 HP)
Voltage Range	:	300 to 440 Volts (Three Phase)
Insulation	:	F Class
Protection	:	IP 55

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Delivery Casing	:	Cast Iron
Motor Body	:	Cast Iron
Pump Shaft	:	Carbon Steel
Sealing	:	Gland Packed

APPLICATIONS

- Fire fighting systems
- Clear water handling at high pressure in industries
- Water supplies for high rise building
- Irrigation in horticulture & agriculture
- Washing and cleaning systems

PERFORMANCE CHART FOR 'SRF' SERIES, 2 POLE, MONOBLOC 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 METRES													
							32	36	40	44	48	52	56	60	64	68	72	76	80	90	94
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND														
1	SRF-2570	18.3	25	100	100	415	-	-	23.0	21.5	20.2	19.2	18.0	16.0	14.3	12.0	8.0	-	-	-	-
2	SRF-3085	22	30	100	100	415	28.5	28.0	26.5	25.0	24.0	22.8	21.5	20.0	18.3	17.2	15.8	13.6	11.5	3.5	-
3	SRF-3095	22	30	100	100	415	-	-	-	-	-	-	-	-	-	19.3	19.1	17.5	16.0	10.0	6.0

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

Enriching Lives

KS

THREE PHASE
MONOBLOC PUMPS

❖ SLOW SPEED ❖

FEATURES

Flatter Efficiency Curve

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

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.

Designed to Prevent Overloading

Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.

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.

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.

Automatic Air Release

Automatically releases air when the pump starts which ensures swifter and smoother operations, thus eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

TECHNICAL SPECIFICATION

Head Range	:	Upto 22 metres
Discharge Range	:	Upto 72.5 lps
Power Ratings	:	2.2 to 7.5 kW (3 to 10 HP)
Voltage Range	:	300 to 440 Volts (Three Phase)
Insulation	:	B / F Class
Protection	:	IP 44 / IP 55

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Delivery Casing	:	Cast Iron
Motor Body	:	Cast Iron
Shaft	:	Carbon Steel
Sealing	:	Gland Packed

APPLICATIONS

- Cooling towers
- Irrigation in horticulture & agriculture
- Swimming pool application
- Water transfer and circulation
- Air conditioning and refrigeration systems

PERFORMANCE CHART FOR 'KS+' SERIES, 4 POLE, MONOBLOC 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)	Rated Speed (RPM)	TOTAL HEAD IN METRES									
								5	6	8	10	12	14	16	18	20	22
		kW	HP	SUC.	DEL.			DISCHARGE IN LITRES PER SECOND									
1	KS-316+*	2.2	3	65	50	415	1400	-	-	-	-	13.4	11.6	9.3	-	-	-
2	KS-513+*	3.7	5	100	100	415	1420	-	34.0	30.9	27.0	22.0	-	-	-	-	-
3	KS-516+*	3.7	5	80	65	415	1420	-	-	-	-	23.7	20.8	17.5	13.2	-	-
4	KS-810+	5.5	7.5	150	150	400	1420	66.0	63.5	55.0	43.5	-	-	-	-	-	-
5	KS-817+*	5.5	7.5	100	100	400	1420	-	-	-	34.4	31.8	29.0	25.3	19.2	-	-
6	KS-823+*	5.5	7.5	100	80	400	1420	-	-	-	-	-	27.3	25.0	22.2	18.8	14.5
7	KS-1012+	7.5	10	150	150	400	1420	-	72.5	67.0	59.5	49.5	30.0	-	-	-	-
8	KS-1022+*	7.5	10	100	100	400	1430	-	-	-	-	-	36.0	33.0	29.0	24.2	17.5

Note: * Marked pumps are ISI certified.

Enriching Lives

INDUSTRIAL
PRODUCT RANGE

OPENWELL SUBMERSIBLE PUMPS
Three Phase

Enriching Lives

KOSM

THREE PHASE
OPEN-WELL PUMPS

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.

Lightweight And Compact Design

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

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.

TECHNICAL SPECIFICATION

Head Range	:	Upto 38 metres
Discharge Range	:	Upto 11 lps
Power Ratings	:	0.37 to 1.5 kW (0.5 to 2 HP)
Voltage Range	:	300 to 440 Volts (Three Phase)
Insulation	:	B Class
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

PERFORMANCE CHART FOR 'KOS-M' SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																				
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES													
							8	10	12	14	16	18	20	22	24	26	28	30	32	34
		kW	HP	SUC.	DEL		DISCHARGE IN LITERS PER SECOND													
1	KOS-0516M	0.37	0.5	25	25	415	1.7	1.6	1.5	1.3	0.9	0.4	-	-	-	-	-	-	-	-
2	KOS-116M	0.75	1.02	50	40	415	4.8	4.4	3.9	3.1	1.9	-	-	-	-	-	-	-	-	-
3	KOS-123M	0.75	1.02	32	25	415	4.8	4.6	4.2	3.8	3.5	3	2.4	1.6	-	-	-	-	-	-
4	KOS-128M	0.75	1.02	25	25	415	-	-	1.9	1.8	1.8	1.7	1.5	1.2	0.6	-	-	-	-	-
5	KOS-134M	0.75	1.02	25	25	415	-	-	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.3	1.1	0.9	0.6	0.2
6	KOS-1.522M	1.1	1.5	50	40	415	6.1	5.8	5.3	4.8	4.3	3.6	2.5	-	-	-	-	-	-	-
7	KOS-1.525M	1.1	1.5	50	40	415	-	-	-	-	3.4	3.2	2.9	2.6	2.4	2.1	1.7	1	-	-
8	KOS-216M	1.5	2	65	50	415	11	9.9	8.7	7	-	-	-	-	-	-	-	-	-	-
9	KOS-225M	1.5	2	50	40	415	-	-	4.8	4.6	4.4	4.2	3.7	3.2	2.5	-	-	-	-	-
10	KOS-235M	1.5	2	50	40	380	-	-	4.4	4.2	4	3.8	3.5	3.2	2.9	2.5	2	1.4	0.2	-
							12	14	16	18	20	22	24	26	28	30	32	34	36	38
11	KOS-1.540M	1.1	1.5	32	25	415	-	-	-	-	-	-	1.9	1.8	1.6	1.4	1.3	1.1	0.9	0.6

Note : All models are also available in single phase. expect KOS-235M
Performance applicable to liquid of specific gravity 1 and Viscosity as of water.

Enriching Lives

KOS

THREE PHASE
OPEN-WELL PUMPS

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.

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

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 METERES																
							8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
		kW	HP	SUC.	DEL.		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.

Enriching Lives

INDUSTRIAL
PRODUCT RANGE

SELF PRIMING PUMP/PUMP SET

Enriching Lives

SP

SELF PRIMING
SEWAGE / DEWATERING PUMPS

SP BS

FEATURES

Self Priming
No need of foot valve and priming pumpset every time for quicker operations.

Non clog Impeller
Non clog impeller to handle suspended soft solids upto 60 MM in size made it suitable for sewage and dewatering applications.

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

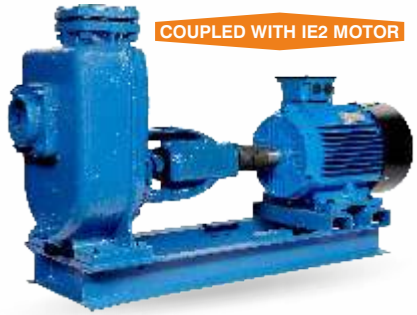
Designed to Prevent Overloading
Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.

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 pump can be serviced even at remote locations by semi-skilled technicians.

SP M



SP COUPLED

With Energy Efficient IE2 Motor

APPLICATIONS

- Handling chemicals, effluents, sewage, ash-water
- Dewatering foundation, trenches and pits
- Flood water handling
- Pumping water from docks, ports, vessels
- Dewatering from basements, multi-storeys, shopping malls, godowns
- Cooling water for marine engines and shovels

TECHNICAL SPECIFICATION

		SP BARE SHAFT/MOTOR COUPLED	SP MONOBLOC
Head Range	:	Upto 44 metres	Upto 24 metres
Discharge Range	:	Upto 80 lps	Upto 17.5 lps
Power Rating	:	0.75 - 18.7 kW (1 - 25 HP) Motor Coupled*	0.37 - 3.7 kW (0.5 - 5 HP)
Voltage Range	:	415±10% (For motor coupled only)	300 - 440V (Three Phase) 180 - 240V (Single Phase)
Class of Insulation	:	F Class (Motor coupled only)	B / F Class
Protection	:	IP 55	IP 44 / IP 55

Energy Efficient IE2 Motor

MATERIAL OF CONSTRUCTION

		SP BARE SHAFT	SP MONOBLOC	SP MOTOR COUPLED
Impeller	:	Cast Iron / Stainless Steel/ Bronze	Cast iron / Stainless Steel/ Bronze	Cast Iron / Stainless Steel/ Bronze
Motor Body	:	-	Cast Iron	Cast Iron
Delivery Casing	:	Cast Iron	Cast Iron	Cast Iron
Shaft	:	Carbon Steel / Stainless Steel	Carbon Steel / Stainless Steel	Carbon Steel / Stainless Steel
Shaft Sleeve	:	Stainless Steel	Stainless Steel (Bronze –SP-3LM+)	Stainless Steel
Sealing	:	Gland Packed / Mechanical Seal	Gland Packed / Mechanical Seal	Gland Packed / Mechanical Seal

PERFORMANCE CHART FOR 'SP' SERIES, SELF PRIMING, BARE / ENERGY EFFICIENT IE2 MOTOR COUPLED PUMPS, AT RATED SPEED																							
S. No.	Pump Model	Power Rating		Pump Size (mm)		Rated Voltage (Volts)	Impeller Dia. (mm)	Solid Handling Size (mm)	Rated Speed (RPM)	TOTAL HEAD IN METRES													
										6	8	10	12	14	15	17	19	22	23	25	28	30	
		kW	HP	SUC.	DEL.					DISCHARGE IN LITRES PER SECOND													
1	SP '0'	0.75	1	40	40	415	116	7.0	2760	4.6	4.1	3.6	2.7	1.5	0.8	-	-	-	-	-	-	-	
2	SP 1H	1.5	2	40	40	415	134	8.5	2900	-	-	6.3	5.6	4.8	4.5	3.4	2.0	-	-	-	-	-	
3	SP 2H	2.2	3	50	50	415	145	10.5	2900	-	-	9.2	8.7	8.1	7.8	7.0	6.0	4.2	3.5	1.8	-	-	
4	SP 3L+	3.7	5	80	80	415	224	15.5	1450	-	-	18.0	16.5	13.5	11.5	8.0	2.5	-	-	-	-	-	
5	SP 4LA+	7.5	10	100	100	415	292	18.5	1450	-	-	36.0	33.5	31.0	30.0	27.0	24.0	18.0	15.0	7.0	-	-	
6	SP 4L+	9.3	12.5	100	100	415	292	23.0	1450	-	-	41.0	39.0	37.0	35.0	32.0	28.0	22.0	19.5	14.0	-	-	
7	SP 6LA	15	20	150	150	415	296	34.0	1450	-	-	66.0	63.4	60.0	57.5	52.5	45.0	34.3	30.0	16.0	-	-	
8	SP 6L	18.7	25	150	150	415	296	40.0	1450	-	-	75.0	72.5	68.7	66.2	61.3	55.0	45.0	40.0	27.5	-	-	
9	SP 8LA	11	15	200	200	415	240	60.0	1450	-	80.0	72.0	60.0	32.0	20.0	-	-	-	-	-	-	-	
										20	22	23	25	28	30	32	34	36	38	40	42	44	
10	SP 3A	3.7	5	80	80	415	174	7.0	2900	10.0	9.2	8.7	7.5	5.2	3.7	1.9	-	-	-	-	-	-	
11	SP 3	5.5	7.5	80	80	415	174	14.5	2900	16.5	16.2	16.0	15.0	12.5	10.5	8.0	5.5	3.0	-	-	-	-	
12	SP 3HH	9.3	12.5	80	80	415	194	14.5	2900	-	-	-	18.7	18.0	17.3	16.5	15.0	12.5	10.5	8.5	6.5	5.0	

Note: All pump sets are suitable with three phase Induction Motor. Performance applicable to liquid of specific gravity 1 and viscosity as of water.

PERFORMANCE CHART FOR 'SP-M' SERIES, SELF PRIMING MONOBLOC PUMPS, AT RATED SPEED, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																			
S. No.	Pump Model	Power Rating		Pump Size (mm)		Impeller Dia. (mm)	Rated Voltage (Volts)	Solid Handling Size (mm)	Rated Speed (RPM)	TOTAL HEAD IN METRES									
										6	8	10	12	14	15	18	20	22	24
		kW	HP	SUC.	DEL.					DISCHARGE IN LITRES PER SECOND									
1	SP 05'M'*	0.37	0.5	40	40	116	210/415	5	2700	3.1	2.6	2.1	1.2	-	-	-	-	-	-
2	SP '0'M*	0.75	1	40	40	116	210/415	7	2700	4.4	4.0	3.2	2.3	1.0	-	-	-	-	-
3	SP 1HM	1.5	2	40	40	134	415	8.5	2800	-	-	5.9	5.1	4.2	3.1	1.5	-	-	-
4	SP 2HM	2.2	3	50	50	145	415	10.5	2800	-	-	8.7	8.2	7.4	6.5	5.5	4.3	3.0	1.0
5	SP 3LM+	3.7	5	80	80	224	415	15.5	1420	-	-	17.5	15.5	12.5	8.0	3.5	-	-	-

Note: SP 05M and SP0M are supplied with mechanical seal arrangement and also available in single phase.
All other models are supplied with stuffing box arrangement for gland packed or mechanical seal as per the requirement.

PERFORMANCE CHART FOR 'SP' SERIES, SELF PRIMING, ENGINE COUPLED PUMPS, AT RATED SPEED																				
S. No.	Pump Model	Power Rating		Pump Size (mm)		Impeller Dia. (mm)	Solid Handling Size (mm)	Rated Speed (RPM)	TOTAL HEAD IN METRES											
									10	12	14	15	16	18	19	20	22	24	25	26	28
		kW	HP	SUC.	DEL.				DISCHARGE IN LITRES PER SECOND												
1	SP3L+	4	6	80	80	224	15.5	1500	-	18.0	15.5	14.0	12.5	8.2	6.0	3.5	-	-	-	-	-
2	SP3L+	9	12	80	80	224	15.5	1800	-	-	-	-	22.0	21.0	20.0	19.0	16.7	13.7	12.0	10.0	6.0
3	SP4LA+	9	12	100	100	292	18.5	1500	-	36.0	33.9	32.5	31.0	28.0	26.6	25.0	21.5	17.0	14.5	12.0	-
4	SP4L+	10.5	14	100	100	292	23	1500	-	41.0	39.0	38.0	36.5	33.9	32.0	30.5	26.0	21.5	18.5	16.0	9.9
5	SP6LA	16.5	22	150	150	296	34	1500	68	66.0	63.0	62.0	59.0	53.5	51.5	48.0	41.0	33.0	28.5	21.5	-
6	SP6L	19.5	26	150	150	296	40	1500	-	76.0	73.0	71.0	68.0	63.5	61.5	58.0	51.0	43.5	38.8	32.5	-

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

Enriching Lives

INDUSTRIAL
PRODUCT RANGE

VACUUM PUMPS

Enriching Lives

KV/DV

VACUUM PUMPS

❖ LIQUID RING ❖

KV

DV

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.

Designed to Prevent Overloading

Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.

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.

TECHNICAL SPECIFICATION

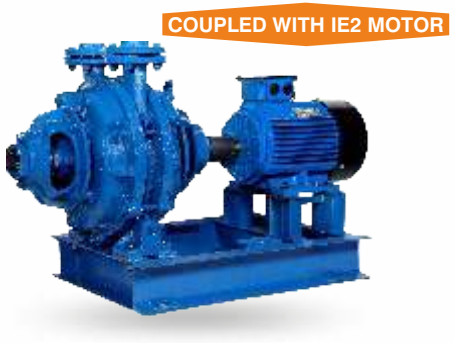
		KV	DV
Vacuum	:	Upto 600 mm of mercury	Upto 640 mm of mercury
Air Flow Rate	:	Upto 55 m^3/hr (at mean sea level)	Upto 162 m^3/hr (at mean sea level)
Power Ratings	:	0.75 to 2.2 kW (1 to 3 HP)	3.7 to 7.5 kW (5 to 10 HP)
Voltage Range	:	180 to 240 Volts (Single Phase) 300 to 440 Volts (Three Phase)	375 to 455 Volts (Three Phase)
Insulation	:	B Class	F Class
Protection	:	IP 44	IP 55

MATERIAL OF CONSTRUCTION

Rotor(Impeller)	:	Stainless Steel
Delivery Casing	:	Cast Iron
Motor Body	:	Cast Iron
Pump Shaft	:	Carbon Steel

APPLICATIONS

- Priming of large pumps
- Evacuation of air from suction pipes and chambers
- Twist drilling machine, removing water from pulp layer, labelling, bottle filling, de-odorising
- Drying, evaporation, distillation, filtration, sterilisation, condensation, degasification, sucking gases
- Extrusion machines



DV Coupled Set

PERFORMANCE CHART FOR 'KV/DV' SERIES, VACUUM 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)	VACUUM IN MM OF MERCURY							
								0	100	200	300	400	500	600	640
		kW	HP	SUC.	DEL.			AIR FLOW RATE IN CUBIC METERS PER HOUR							
1	KV 20 Monobloc	0.75	1.0	20	20	210/415	2700	20.5	18.0	14.5	11.5	8.0	5.0	1.8	-
2	KV 30 Monobloc	2.2	3.0	32	32	415	2840	55.0	46.3	38.0	30.0	21.3	13.0	5.0	-
3	DV 40 Coupled Set / Bare Pump*	3.7	5.0	40	40	415	1450	73.0	65.0	57.0	46.0	34.0	22.0	8.0	5.0
4	DV 50 Coupled Set / Bare Pump*	7.5	10.0	50	50	415	1450	162.0	138.0	115.0	88.0	68.0	44.0	14.0	8.0

Note: KV 20 is also available in single phase. Performance applicable for air at NTP based on employment of clear water at 30°c as working fluid.
*Coupled sets with Energy Efficient IE2 motor.

Enriching Lives

INDUSTRIAL
PRODUCT RANGE

VERTICAL MULTISTAGE INLINE PUMPS

Enriching Lives

KVM

VERTICAL
MULTI-STAGE PUMPS

KVM
Vertical
Multi-Stage Pump

By KIRLOSKAR BROTHERS LIMITED

KVM

FEATURES

Wide operating range with flatter characteristics for a stable performance.
Minimum variations in efficiency during entire operating range increases the utility of pump set for variable conditions. Flatter performance curve ensure wide operating range.

Engineering Polymer Impellers and Diffuser
Excellent chemical resistance to most of the acids, bases, chlorides and cleaning agents Excellent hydrolytic stability Excellent long term dimensional stability for reliable and consistent performance

Keyed Shaft
Positive impeller locking for better life

Wide Voltage Range
The motor is designed to withstand wide voltage fluctuations (ranging between 180 -240 V (1Ø) and 300- 440V (3Ø)) that prevents motor from burning in case of voltage variations.

Light-weight
Easy handling. Easy to integrate in the system

High Efficiency
Low power consumption

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

Cartridge Type Mechanical Seal
Superior quality cartridge type mechanical seal with high quality graphite and hard alloy ensures better heat resistance wear resistance capacity, zero leakage, lower friction loss, will not wear the shaft, easy maintenance without opening pump and longer life.

TECHNICAL SPECIFICATION

Head Range	:	Upto 175 Metres
Discharge Range	:	Upto 6 m^3/hr
Power Rating	:	Upto 2.2 kW (3HP)
Voltage Range	:	180 to 240 Volts (Single Phase) 300 to 440 Volts (Three Phase)
Insulation	:	F Class
Protection	:	IP 44
pH Value	:	5 - 8.5

MATERIAL OF CONSTRUCTION

Diffuser & Impeller	:	High Grade Engineering Polymer
Discharge Casing	:	Cast Iron
Suction Casing	:	Cast Iron
Pump shaft	:	Stainless Steel

APPLICATIONS

- RO Plant
- Pressure boosting and lifting water in apartments and bungalows
- Irrigation
- Firefighting systems and washing systems
- Air conditioners, cooling system and industrial cleaning

Enriching Lives

PERFORMANCE CHART FOR KVM SERIES, 2 POLE, AT RATED VOLTAGE OF 230/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		No of stages	lps	0.28	0.42	0.56	0.69	0.83	0.97	1.11	1.39	1.67
		kW	HP	SUC.	DEL.		m^3/hr	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
1	KVM-2070	1.1	1.5	25	25	10	Head In Meters	75	73	70	64	58	51	45	27	11
2	KVM-2085	1.1	1.5	25	25	12		90	88	85	78	69	62	54	33	13
3	KVM-2100	1.5	2	25	25	14		108	105	100	94	85	75	67	44	18
4	KVM-2115	1.5	2	25	25	16		123	120	115	106	96	85	75	47	20
5	KVM-2130	2.2	3	25	25	19		147	145	140	127	113	99	87	54	22
6	KVM-2170	2.2	3	25	25	23		175	171	165	150	135	120	106	66	27

*Under specified working conditions.

Enriching Lives

KCIL/KSIL

VERTICAL MULTI STAGE INLINE PUMPS

KCIL

KSIL

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.

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)

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

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.

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 m³/hr								
							0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
		kW	HP	SUC.	DEL.		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 m^3/hr							
							1.0	1.2	1.6	2.0	2.4	2.8	3.2	3.5
		kW	HP	SUC.	DEL.		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								
							1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
		kW	HP	SUC.	DEL.		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							
							1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0
		kW	HP	SUC.	DEL.		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

PERFORMANCE CHART FOR KCIL / KSIL PUMPSETS - 5 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						
							1	2	3	4	5	6	7
		kW	HP	SUC.	DEL.		TOTAL HEAD IN METRES						
1	KSIL/KCIL5-2	0.37	0.5	32	32	2	13	12	12	10	9	7	6
2	KSIL/KCIL5-3	0.55	0.75	32	32	3	19	19	18	16	15	12	10
3	KSIL/KCIL5-4	0.55	0.75	32	32	4	26	25	24	22	19	16	14
4	KSIL/KCIL5-5	0.75	1	32	32	5	33	32	30	28	24	22	18
5	KSIL/KCIL5-6	1.1	1.5	32	32	6	40	38	37	34	31	27	23
6	KSIL/KCIL5-7	1.1	1.5	32	32	7	46	45	42	40	36	32	27
7	KSIL/KCIL5-8	1.1	1.5	32	32	8	53	51	48	45	41	36	31
8	KSIL/KCIL5-9	1.5	2	32	32	9	60	59	56	53	48	44	37
9	KSIL/KCIL5-10	1.5	2	32	32	10	67	65	62	59	54	48	41
10	KSIL/KCIL5-11	2.2	3	32	32	11	74	73	70	66	61	54	47
11	KSIL/KCIL5-12	2.2	3	32	32	12	81	79	76	72	66	59	51
12	KSIL/KCIL5-13	2.2	3	32	32	13	88	85	82	78	71	64	55
13	KSIL/KCIL5-14	2.2	3	32	32	14	95	92	89	83	77	69	60
14	KSIL/KCIL5-15	2.2	3	32	32	15	101	99	95	89	82	74	63
15	KSIL/KCIL5-16	2.2	3	32	32	16	108	105	101	95	87	78	68
16	KSIL/KCIL5-18	3	4	32	32	18	122	119	115	109	100	90	78
17	KSIL/KCIL5-20	3	4	32	32	20	135	132	127	120	111	100	87
18	KSIL/KCIL5-22	4	5.5	32	32	22	150	147	142	134	124	112	97
19	KSIL/KCIL5-24	4	5.5	32	32	24	163	160	154	146	135	122	106
20	KSIL/KCIL5-26	4	5.5	32	32	26	176	173	166	157	146	132	115
21	KSIL/KCIL5-29	4	5.5	32	32	29	198	194	188	178	165	149	131

PERFORMANCE CHART FOR KCIL / KSIL PUMPSETS - 10 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					
							2	4	6	8	10	12
		kW	HP	SUC.	DEL.		TOTAL HEAD IN METRES					
1	KSIL/KCIL10-1	0.37	0.5	42	42	1	10	10	9	8	7	5
2	KSIL/KCIL10-2	0.75	1	42	42	2	20	20	19	18	15	12
3	KSIL/KCIL10-3	1.1	1.5	42	42	3	30	30	29	26	23	18
4	KSIL/KCIL10-4	1.5	2	42	42	4	40	40	40	36	32	26
5	KSIL/KCIL10-5	2.2	3	42	42	5	51	51	50	46	40	33
6	KSIL/KCIL10-6	2.2	3	42	42	6	61	61	59	55	48	39
7	KSIL/KCIL10-7	3.0	4	42	42	7	72	72	70	65	56	46
8	KSIL/KCIL10-8	3.0	4	42	42	8	82	82	80	74	64	53
9	KSIL/KCIL10-9	3.0	4	42	42	9	92	92	89	82	70	59
10	KSIL/KCIL10-10	4.0	5.5	42	42	10	102	102	100	93	80	66
11	KSIL/KCIL10-12	4.0	5.5	42	42	12	122	122	119	110	95	79
12	KSIL/KCIL10-14	5.5	7.5	42	42	14	143	142	140	130	113	94
13	KSIL/KCIL10-16	5.5	7.5	42	42	16	163	163	159	148	128	106
14	KSIL/KCIL10-18	7.5	10	42	42	18	185	184	182	169	147	123
15	KSIL/KCIL10-20	7.5	10	42	42	20	206	204	201	188	164	136
16	KSIL/KCIL10-22	7.5	10	42	42	22	226	226	221	206	181	147

PERFORMANCE CHART FOR KCIL / KSIL PUMPSETS - 15 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						
							3	6	9	12	15	18	21
		kW	HP	SUC.	DEL.		TOTAL HEAD IN METRES						
1	KSIL/KCIL15-1	1.1	1.5	65	65	1	15	13	13	12	11	10	9
2	KSIL/KCIL15-2	2.2	3	65	65	2	28	27	26	25	23	21	18
3	KSIL/KCIL15-3	3	4	65	65	3	42	41	40	38	35	32	28
4	KSIL/KCIL15-4	4	5.5	65	65	4	58	55	55	51	47	43	38
5	KSIL/KCIL15-5	4	5.5	65	65	5	70	68	66	64	58	53	48
6	KSIL/KCIL15-6	5.5	7.5	65	65	6	83	82	80	77	71	64	58
7	KSIL/KCIL15-7	5.5	7.5	65	65	7	98	96	94	89	83	75	65
8	KSIL/KCIL15-8	7.5	10	65	65	8	112	110	108	103	96	86	75
9	KSIL/KCIL15-9	7.5	10	65	65	9	125	123	120	115	108	97	84
10	KSIL/KCIL15-10	11	15	65	65	10	140	138	136	129	120	109	95
11	KSIL/KCIL15-12	11	15	65	65	12	168	165	162	155	142	130	114
12	KSIL/KCIL15-14	11	15	65	65	14	194	192	188	180	166	151	130
13	KSIL/KCIL15-17	15	20	65	65	17	237	234	230	219	205	185	160

PERFORMANCE CHART FOR KCIL / KSIL PUMPSETS - 20 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						
							4	8	12	16	20	24	28
		kW	HP	SUC.	DEL.		TOTAL HEAD IN METRES						
1	KSIL/KCIL20-1	1.1	1.5	65	65	1	13	13	13	12	11	9	7
2	KSIL/KCIL20-2	2.2	3	65	65	2	28	28	27	25	23	19	15
3	KSIL/KCIL20-3	4.0	5	65	65	3	43	43	42	39	36	30	23
4	KSIL/KCIL20-4	5.5	7.5	65	65	4	58	57	56	53	48	41	32
5	KSIL/KCIL20-5	5.5	7.5	65	65	5	73	72	70	66	60	52	40
6	KSIL/KCIL20-6	7.5	10	65	65	6	87	84	83	80	72	62	49
7	KSIL/KCIL20-7	7.5	10	65	65	7	102	100	97	93	84	72	57
8	KSIL/KCIL20-8	11.0	15	65	65	8	117	116	113	107	96	85	67
9	KSIL/KCIL20-10	15.0	20	65	65	10	146	144	140	132	120	105	83
10	KSIL/KCIL20-12	15.0	20	65	65	12	175	174	169	161	144	127	101
11	KSIL/KCIL20-14	15.0	20	65	65	14	204	202	197	187	168	147	117
12	KSIL/KCIL20-17	18.5	25	65	65	17	249	247	241	229	210	181	144

Enriching Lives

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 m³/hr					
							15	20	25	32	35	40
		kW	HP	SUC.	DEL.		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 m³/hr						
							25	30	35	40	45	50	55
		kW	HP	SUC.	DEL.		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

Enriching Lives

PERFORMANCE CHART FOR KCIL / KSIL PUMPSETS - 64 SERIES AT RATED 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					
							30	40	50	64	70	80
		kW	HP	SUC.	DEL.		TOTAL HEAD IN METRES					
1	KSIL/KCIL64-1-1	4.0	5.5	100	100	1	20	19	18	14	12	9
2	KSIL/KCIL64-1	5.5	7.5	100	100	1	27	26	24	21	20	17
3	KSIL/KCIL64-2-2	7.5	10.0	100	100	2	40	38	36	29	26	19
4	KSIL/KCIL64-2-1	11.0	15.0	100	100	2	48	46	43	37	35	29
5	KSIL/KCIL64-2	11.0	15.0	100	100	2	55	53	50	44	42	36
6	KSIL/KCIL64-3-2	15.0	20.0	100	100	3	68	66	60	53	49	40
7	KSIL/KCIL64-3-1	15.0	20.0	100	100	3	76	72	68	60	56	47
8	KSIL/KCIL64-3	18.5	25.0	100	100	3	84	80	76	68	64	56
9	KSIL/KCIL64-4-2	18.5	25.0	100	100	4	96	93	87	76	68	59
10	KSIL/KCIL64-4-1	22.0	30.0	100	100	4	104	100	95	84	79	68
11	KSIL/KCIL64-4	22.0	30.0	100	100	4	112	107	102	91	86	75
12	KSIL/KCIL64-5-2	30.0	40.0	100	100	5	126	122	115	101	94	81
13	KSIL/KCIL64-5-1	30.0	40.0	100	100	5	134	129	122	109	102	88
14	KSIL/KCIL64-5	30.0	40.0	100	100	5	141	136	129	116	109	96
15	KSIL/KCIL64-6-2	30.0	40.0	100	100	6	154	148	140	124	115	99
16	KSIL/KCIL64-6-1	37.0	50.0	100	100	6	162	156	148	132	124	108
17	KSIL/KCIL64-6	37.0	50.0	100	100	6	170	163	155	139	131	116
18	KSIL/KCIL64-7-2	37.0	50.0	100	100	7	182	176	166	147	138	119
19	KSIL/KCIL64-7-1	37.0	50.0	100	100	7	190	183	173	155	145	126
20	KSIL/KCIL64-7	45.0	60.0	100	100	7	202	194	184	165	155	136
21	KSIL/KCIL64-8-2	45.0	60.0	100	100	8	214	207	196	174	163	140
22	KSIL/KCIL64-8-1	45.0	60.0	100	100	8	222	214	203	181	170	148

PERFORMANCE CHART FOR KCIL / KSIL PUMPSETS - 90 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						
							50	60	70	80	90	100	110
		kW	HP	SUC.	DEL.		TOTAL HEAD IN METRES						
1	KSIL/KCIL90-1-1	5.5	7.5	100	100	1	21	20	18	16	14	11	7
2	KSIL/KCIL90-1	7.5	10.0	100	100	1	26	25	24	22	20	18	14
3	KSIL/KCIL90-2-2	11.0	15.0	100	100	2	43	41	38	35	30	24	17
4	KSIL/KCIL90-2	15.0	20.0	100	100	2	55	52	49	46	43	38	32
5	KSIL/KCIL90-3-2	18.5	25.0	100	100	3	72	68	64	58	52	44	35
6	KSIL/KCIL90-3	22.0	30.0	100	100	3	85	80	76	71	65	59	51
7	KSIL/KCIL90-4-2	30.0	40.0	100	100	4	102	97	91	85	76	66	54
8	KSIL/KCIL90-4	30.0	40.0	100	100	4	114	109	103	96	89	80	69.5
9	KSIL/KCIL90-5-2	37.0	50.0	100	100	5	131	125	118	109	99	87	72
10	KSIL/KCIL90-5	37.0	50.0	100	100	5	142	136	129	121	111	101	87
11	KSIL/KCIL90-6-2	45.0	60.0	100	100	6	161	154	145	135	123	108	92
12	KSIL/KCIL90-6	45.0	60.0	100	100	6	175	166	156	146	135	123	108

Enriching Lives

INDUSTRIAL
PRODUCT RANGE

STAINLESS STEEL MONOBLOC PUMP

Enriching Lives

BCH PUMP

HORIZONTAL MULTISTAGE PUMP

BCH

FEATURES

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.

Compact reliable and silent

Dynamically balanced rotating parts, superior quality bearings and SS fabricated impellers with compact design ensures reliable and silent operations

High Head Applications

The pump has been designed for high head applications, helping customers to achieve high turnaround time and productivity

Dynamically Balanced Rotating Parts

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

TECHNICAL SPECIFICATION

Head Range (M)	:	up to 57 M
Discharge Range	:	up to 28 m^3/h
Power Rating	:	0.37 kW to 3.7 kW
Voltage Range	:	220 Volts±10% and 415 Volts±10%
Insulation	:	F Class
Protection	:	IP55
Max Liquid Temp	:	85° C

MATERIAL OF CONSTRUCTION

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

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

PERFORMANCE CHART FOR BCH2 PUMP AT RATED VOLTAGE OF 220 VOLTS SINGLE PHASE, 415 VOLTS THREE PHASE, 50 HZ, AC SUPPLY															
Sr. No.	PUMP MODEL	MODEL RATING		CURRENT		Pipe Size (mm)		DISCHARGE							
		kW	HP	1Ø	3Ø	Suc	Del	Q (m^3/h)	0	0.6	1.2	1.8	2.4	3.0	3.6
1	BCH2-20	0.37	0.50	2.4	1.1	25	25	Head (m)	18.0	16.0	15.0	13.0	12.0	10.0	8.0
2	BCH2-30	0.37	0.50	2.8	1.3	25	25		27.0	24.0	22.0	20.0	18.0	16.0	12.0
3	BCH2-40	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	BCH2-50	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	BCH2-60	0.75	1.00	4.5	2.1	25	25		53.0	50.0	45.0	40.0	36.0	30.0	23.0

PERFORMANCE CHART FOR BCH4 PUMP AT RATED VOLTAGE OF 220 VOLTS SINGLE PHASE, 415 VOLTS THREE PHASE, 50 HZ, AC SUPPLY															
Sr. No.	MODEL PUMP	MODEL RATING		CURRENT		Pipe Size (mm)		DISCHARGE							
		kW	HP	1Ø	3Ø	Suc	Del	Q (m^3/h)	0	1	2	3	4	5	6	7
1	BCH4-20	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	BCH4-30	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	BCH4-40	0.75	1.00	4.5	2.1	32	25		38.0	36.0	34.0	32.0	28.0	26.0	22.0	17.0
4	BCH4-50	1.10	1.50	6.2	2.7	32	25		48.0	46.0	43.0	40.0	36.0	33.0	28.0	21.0
5	BCH4-60	1.10	1.50	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 BCH10 SERIES , 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY																	
Sr. No.	PUMP MODEL	MODEL RATING		CURRENT		PIPE SIZE(MM)		DISCHARGE									
		kW	HP	1Ø	3Ø	Suc	Del	Q (m^3/h)	0	2	4	6	7	8	9	10	11	12
1	BCH10-10	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	BCH10-20	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	BCH10-30	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	BCH10-40	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	BCH10-50	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

PERFORMANCE CHART FOR BCH15 SERIES , 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY																
Sr. No.	PUMP MODEL	MODEL RATING		CURRENT		PIPE SIZE(MM)		DISCHARGE								
		kW	HP	1Ø	3Ø	Suc	Del	Q (m^3/h)	0	3	6	9	12	15	18	21
1	BCH15-10	1.1	1.5	5.5	2.3	50	50	Head (m)	13.9	13.5	13.1	12.4	11.6	10.6	9.4	8.2
2	BCH15-20	2.2	3.0	9.8	4.0	50	50		27.8	27.5	26.7	25.6	24.1	22.7	21.1	18.8
3	BCH15-30	3.0	4.0	-	6.1	50	50		42.1	40.9	39.8	38.7	36.9	34.9	31.9	28.5
4	BCH15-40	3.7	5.0	-	7.7	50	50		55.5	54.3	52.8	51.8	49.7	46.8	42.9	38.3

PERFORMANCE CHART FOR BCH20 SERIES , 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY																
Sr. No.	PUMP MODEL	MODEL RATING		CURRENT		PIPE SIZE(MM)		DISCHARGE								
		kW	HP	1Ø	3Ø	Suc	Del	Q (m^3/h)	0	4	8	12	16	20	24	28
1	BCH20-10	1.1	1.5	6.5	2.6	50	50	Head(m)	13.6	13.3	12.8	12.1	10.8	9.5	7.8	5.7
2	BCH20-20	2.2	3.0	11.9	4.7	50	50		28.5	27.8	27.0	26.1	24.4	22.4	19.8	17.2
3	BCH20-30	3.7	5.0	-	7.4	50	50		42.5	41.6	40.9	39.9	38.0	35.5	31.4	26.9
4	BCH20-40	3.7	5.0	-	9.3	50	50		56.6	55.2	54.2	52.7	50.1	45.9	40.3	34

Enriching Lives

KSMB

STAINLESS STEEL
MONOBLOC PUMPSETS

FEATURES

Stainless Steel – Wetted Components
All wetted components are made of Stainless Steel which made it suitable for handling various liquids.

Mechanical Seal
Superior quality of mechanical seal ensures zero leakage, lower friction loss, protects from wearing of shaft, thus resulting in easy maintenance and longer 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.

Superior Hydraulics
Superior hydraulics due to advanced manufacturing processes provides efficiency at par with international standard.

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

Lightweight And Compact Design
Constructed with special grade engineering materials, the pumps sports a compact design for ease of handling and installation.

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.

Designed to Prevent Overloading
Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.

TECHNICAL SPECIFICATION

Head Range	: Upto 50 metres
Discharge Range	: Upto 17.8 lps
Power Ratings	: 0.75 to 7.5 kW(1 to 10 HP)
Voltage Range	: 350 to 440 Volts (Three Phase)
Insulation	: F Class
Protection	: IP 44 / IP 55
pH Value	: 5 to 9
Liquid Temperature	: -10°C to 85°C (upto 3 HP)
Range	: -20°C to 100°C (5 HP and above)
Maximum Ambient Temperature	: 40°C

MATERIAL OF CONSTRUCTION

Impeller	:	Stainless Steel
Delivery Casing	:	Stainless Steel
Motor Body	:	Cast Iron
Pump Shaft	:	Stainless Steel
Mechanical Seal	:	Carbon vs Ceramic (upto 3 HP) Carbon vs Silicon Carbide (5 HP and above)
Guarding Plate	:	Stainless Steel
Rubber Parts	:	NBR

APPLICATIONS

- Pharmaceutical industries
- Food processing
- Demineralising plant
- Air conditioning and refrigeration systems
- Diary and beverages

PERFORMANCE CHART FOR 'KSMB' SERIES, SS MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																	
S. No.	Pump Model	Power Rating		Pump Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES										
							10	12	14	16	18	20	22	24	26	28	30
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND										
1	KSMB 129	0.75	1.0	40	25	415	-	-	2.5	2.4	2.3	2.1	1.8	1.5	1.3	0.6	-
2	KSMB 116	0.75	1.0	40	32	415	4.2	3.3	2.1	0.5	-	-	-	-	-	-	-
3	KSMB 1.516	1.1	1.5	50	32	415	-	5.6	4.8	3.6	-	-	-	-	-	-	-
4	KSMB 220	1.5	2.0	50	32	415	-	-	6.2	5.6	4.8	3.8	1.2	-	-	-	-
5	KSMB 324	2.2	3.0	50	32	415	-	-	-	5.5	4.7	3.9	2.8	0.7	-	-	-
6	KSMB 328	2.2	3.0	40	32	415	-	-	6.9	6.3	5.8	5.2	4.4	3.4	2.2	0.5	-
7	KSMB 532+	3.7	5.0	65	40	415	-	-	13.9	13.2	12.3	11.3	10.2	8.9	7.4	5.0	-
							28	30	32	34	36	38	40	42	44	46	50
8	KSMB 548+	3.7	5.0	50	32	415	6.8	6.2	5.5	4.8	4.0	3.2	2.3	-	-	-	-
9	KSMB 834+	5.5	7.5	65	40	415	9.5	7.9	6.3	4.7	2.5	-	-	-	-	-	-
10	KSMB 1051+	7.5	10	65	40	415	-	-	-	-	-	17.8	17.0	15.6	13.5	10.9	4.0

Enriching Lives

INDUSTRIAL
PRODUCT RANGE

SEWAGE DE-WATERING SUBMERSIBLE PUMPS

Enriching Lives

ETERNA CW

SEWAGE DE-WATERING SUBMERSIBLE PUMPS

FEATURES

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.

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.

Robust Construction
Heavy duty construction made from graded cast iron, carbon + silicon carbide mechanical seal makes the pump suitable for sewage and sludge.

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.

TECHNICAL SPECIFICATION

Head Range	:	Upto 70 Metres
Discharge Range	:	Upto 4800 LPM
Power Rating	:	0.75 to 15 kW (1 to 20 HP)
Voltage Range	:	380 to 440 Volts (Three phase.)
pH Value	:	6.5 to 7.5
Maximum Density	:	< 1050 kg/m^3
Protection	:	IP 68
Consistency of Medium	:	$< 1.2 \times 10^3$ kg/m^3
Maximum Ambient Temperature	:	40 °C
Insulation	:	"B"/ "E"Class

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

- Sewage pumping
- Dewatering from basements, multi-storeys, shopping malls, godowns
- Construction site
- Dewatering foundation, trenches and pits
- Flood water handling

Enriching Lives

PERFORMANCE CHART OF CW SERIES SEWAGE SUBMERSIBLE PUMPSETS, AT RATED SPEED THREE PHASE AC POWER SUPPLY																	
S. No.	Pump Model	Power Rating		Pipe Size (mm)	Rated Speed (RPM)	Max. Solid Size (mm)	TOTAL HEAD IN METRES										Min. Sub. From Bottom (mm)
		kW	HP				4	6	8	10	12	14	16	18	20	22	
							DISCHARGE IN LITERS PER MINUTE										
1	750CW	0.75	1	50	2900	20	-	336	300	230	145	-	-	-	-	-	466
2	1500CW	1.5	2	50	2900	20	-	-	375	327	270	202	120	-	-	-	500
3	2200CW	2.2	3	50	2900	20	-	-	590	550	502	447	383	298	202		520
4	3700CW	3.7	5	65	2900	30	-	-	-	-	-	-	625	530	396	260	607
5	5500CW	5.5	7.5	80	2900	35	-	1560	1494	1395	1270	1100	906	708	510	360	685
6	7500CW	7.5	10	150	1440	45	3360	3130	2760	2230	1200	480	-	-	-	-	920
7	11000CW 4PL	11	15	150	1440	45	-	-	4750	4300	3600	2570	1600	280	-	-	970
8	15000CW 4PL	15	20	150	1440	45	-	4800	4520	4230	3950	3620	3120	2140	400	-	1020
							12	**15**	**18**	**21**	**24**	**27**	**30**	**33**	**36**	**39**	**-**
9	15000 CW 4P	15	20	100	1440	35	-	-	2950	2680	2380	2080	1650	1150	680	150	990
10	7500CW 2P	7.5	10	65	2900	25	1500	1400	1300	1210	1120	1025	935	810	550	220	780
11	11000CW 4P	11	15	100	1440	35	-	2680	2350	1970	1500	630	-	-	-	-	925
							25	**30**	**35**	**40**	**45**	**50**	**55**	**60**	**65**	**70**	**-**
12	11000CW 2P	11	15	65	2900	25	1060	980	850	650	400	185	-	-	-	-	920
13	15000CW 2P	15	20	65	2900	25	-	-	-	-	-	1290	950	600	230	40	935

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

Enriching Lives

CWC

Cutter Pump

CWC

FEATURES

Special Cutter

Equipped with a effective and reliable grinder system which grinds solids into small pieces so that they can be drawn away through discharge pipes of a relatively small diameter.

Water Tight Cable Connection

Hermetically sealed polyurethane-filled, stainless steel cable plug connection to ensure no liquid entry into the motor.

Specially Designed Lifting Handle

Ensure proper lifting irrespective of installation / motor position.

Stainless Steel Clamp

Easy and quick dismantling of pump casing without the use of any special tool that enables 180 degree rotation of the pump casing. Easily serviceable, suitable for both temporary and permanent installation and can either be installed on auto coupling system or can stand freely at the bottom of the pit.

TECHNICAL SPECIFICATION

Head Range	:	Up to 39 M
Discharge Range	:	Up to 290 LPM
Power Rating	:	1.2 kW to 4 kW (1.6 to 6.0 HP)
Voltage Range	:	415 Volts ± 10%
Insulation	:	F Class
Protection	:	IP68
Operating temperature	:	40°C

APPLICATIONS

- Waste water with discharge from water closets
- Sewage from restaurants / hotels / camping sites etc
- Effluents from abattoirs
- Effluents & waste from waste water or effluent treatment plants.
- Sewage treatment in communities or area where no sewer system is available

Enriching Lives

Performance Table for Cutter Pump at Rated Voltage Three Phase, 50 Hz, AC Supply											
PUMP MODEL	POWER RATING		PIPE SIZE	RATED VOLTAGE (Volts)	RPM	TOTAL HEAD IN METRES					
	kW	HP	mm			6	9	12	15	18	21
						DISCHARGE IN LITRES PER MINUTE					
Eterna 1200 CWC	1.2	1.6	40	415	2850	270	235	180	120	50	-
Eterna 1500 CWC	1.5	2.0	40	415	2850	295	258	220	175	130	70
						24	**27**	**30**	**33**	**36**	**39**
Eterna 4000 CWC	4.0	5.5	40	415	2850	270	225	180	135	85	30

Enriching Lives

KPP

KIRLOSKAR
SWIMMING POOL PUMPS

FEATURES

Thermal Overload Protection
Built in Thermal Overload Protection for Motor

Pre filter basket
Built in pre filter basket for easy cleaning of swimming pool water and to separate hair and lint. Large wrench on lid for easy removal for cleaning and positive sealing

Quiet Operation

Self Priming
No Need to Prime. Can start delivering instantaneously.

Lightweight and Compact design
Constructed with special grade engineering materials such as Glass Filled Polypropylene for strength, compact designs for ease of handling and installation.

Mechanical Seal
True Carbon face seal for reliability and trouble free operation. Easy to replace and maintain.

Dynamically balanced rotating parts
All rotating parts are dynamically balanced which ensures minimum vibrations, and protect components from damages during the pumps operations, resulting trouble free operations with higher outputs.

TECHNICAL SPECIFICATION

Motor Rating	:	0.55 to 2.2 kW (0.75 to 3.0 HP)
Voltage Range	:	240 Volts ± 10%
Motor Insulation	:	F Class
Suction	:	3.5m

MATERIAL OF CONSTRUCTION

Parts	Material
Pump Body	: Glass filled polypropylene
Pump Shaft	: Stainless steel
Impeller	: Glass filled polypropylene
Diffuser	: Glass filled polypropylene
Mechanical Seal	: Carbon Vs Ceramic
Motor Body	: Aluminium

APPLICATIONS

Water circulation and filtration systems such as in

- Hot Springs
- Swimming pools including Suction Sweeping
- Spa
- Water treatment systems
- Landscape Fountains

Enriching Lives

Performance Chart of 'KPP Series'-2 Pole Pumps at Rated Voltage, 50hz, Single Phase A.C. Power Supply																	
S.No.	Pump Model	POWER RATING		RATED VOLTAGE	PIPE SIZE(mm)		LPM	50	100	150	200	250	300	350	400	450	500
		kW	HP	(Volts)	Suc	Del	(m^3/h)	03	06	09	12	15	18	21	24	27	30
1	KPP-550	0.55	0.75	220	50	50	Head in Meters	9.7	9.0	8.0	6.0	3.2	0.5	-	-	-	-
2	KPP-800	0.75	1.00	220	50	50		10.8	10.3	8.8	7.0	4.5	1.5	-	-	-	-
3	KPP-1100	1.10	1.50	220	50	50		14.8	14.2	13.2	12.0	10.3	8.0	4.8	-	-	-
4	KPP-1600	1.50	2.00	220	50	50		16.8	16.3	15.5	14.5	13.5	12.0	9.6	7.0	3.5	-
5	KPP-2200	2.20	3.00	220	50	50		17.9	17.5	16.7	15.9	14.7	13.4	11.6	9.5	7.0	3.5

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

Enriching Lives

SW/BW

SEWAGE DE-WATERING SUBMERSIBLE PUMPS

SW

BW

FEATURES

Automatic On – Off Switch
Pre-fitted float switch ensure that the pump start and stop automatically as per need. This protects the pump from dry running and burning.

Ready To Use
No installation required, just drop it in the tank, and it is ready to use.

Corossion Free
Stainless steel body and other rust free parts prevent corrosion.

TOP - Thermal Overload Protector
The pumpset features a thermal overload protector that protects the motor from overloading, shielding the motor and associated circuit from the effects of fault current.

TECHNICAL SPECIFICATION

Head Range	:	Upto 12 metres
Discharge Range	:	Upto 330 LPM
Power Ratings	:	0.75 to 1.8 kW (1 to 2.5 HP)
Voltage Range	:	180 to 240 Volts (Single Phase)
Protection	:	IP68
Insulation	:	SW - F Class / BW - B Class
Cable Length	:	9.5 meters
pH Value	:	4 - 10
Max. Liquid density	:	1.2×10^3 kg/m^3
Max. liquid temperature	:	$+40^{\circ}$C

MATERIAL OF CONSTRUCTION

		SW	BW
Impeller	:	Noryl	Cast Iron
Delivery Casing	:	Stainless Steel	Cast Iron
Motor Body	:	Stainless Steel	Stainless Steel
Pump Shaft	:	Stainless Steel	Stainless Steel
Cutter	:	-	40 Cr Steel

APPLICATIONS

- Removing stagnant water from basement / underground parkings / garages
- Draining accumulated storm water during monsoons
- Emptying water-tanks and pits for cleaning
- Waste water from kitchens, hotels, clubs
- Surplus water from sumps

PERFORMANCE CHART FOR SW AND BW PUMPS AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE-PHASE AC POWER SUPPLY																
S. No.	Pump Model	Power Rating		Del. Size (mm)	Rated Voltage (Volts)	TOTAL HEAD IN METRES									Max. Solid Size (mm)	Min. Sub. From Bottom (mm)
						3	4	5	6	7	8	9	10	12		
		kW	HP			DISCHARGE IN LITERS PER MINUTE										
1	750SW	0.75	1.0	40	220	180	150	120	95	60	-	-	-	-	15	370
2	1000SW	0.93	1.25	40	220	-	-	200	180	150	120	90	50	-	15	390
3	1300BW	1.3	1.75	50	220	-	-	-	270	240	204	162	132	60	10	530
4	1800BW	1.8	2.5	65	220	-	-	-	330	300	240	180	120	-	10	630

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

Enriching Lives

DOMESTIC
PRODUCT RANGE

MONOBLOC PUMPS
Single Phase

Enriching Lives

KDS

SINGLE PHASE
MONOBLOC PUMPS

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.

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.

TOP - Thermal Overload Protector

The pumpset features a Thermal Overload protector that protects the motor from overloading, shielding the motor and associated circuit from the effects of fault current.

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.

Automatic Air Release

Automatically releases air when the pump starts which ensures swifter and smoother operations, thus eliminates the necessity of operating air release cock and ensures swifter and smoother operations.

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, thus ensuring consistent performance as concentricity is maintained.

Designed to Prevent Overloading

Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.

TECHNICAL SPECIFICATION

Head Range	:	Upto 52 metres
Discharge Range	:	Upto 28 lps
Power Ratings	:	0.37 to 3.7 kW (0.5 to 5.0 HP)
Voltage Range	:	180 to 240 Volts (Single Phase) 120 to 220 Volts (Low Voltage) 230 to 400 Volts (“P” Series)
Insulation	:	B / F Class
Protection	:	IP 44 / IP 55

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron/Noryl
Delivery Casing	:	Cast Iron
Motor Body	:	Cast Iron
Pump Shaft	:	Carbon Steel
Sealing	:	Mechanical Seal

APPLICATIONS

- Gardening and small farm irrigation
- Lawn sprinklers
- Water supply for high rise buildings
- Domestic and community water supply
- Water transfer and circulation

PERFORMANCE CHART FOR 'KDS' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																						
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES															
							4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34
		kW	HP	SUC.	DEL		DISCHARGE IN LITERS PER SECOND															
1	KDS-0510+**	0.37	0.5	50	40	210	-	3.4	2.6	1.0	-	-	-	-	-	-	-	-	-	-	-	-
2	KDS-112 *	0.75	1	50	50	210	-	6.9	5.5	3.9	2.0	-	-	-	-	-	-	-	-	-	-	-
3	KDS-116++*	0.75	1	50	50	210	-	5.4	5.0	4.6	4.2	3.6	3.0	2.0	-	-	-	-	-	-	-	-
4	KDS-116++ *	0.75	1	50	40	210	-	5.4	5.0	4.6	4.2	3.6	3.0	2.0	-	-	-	-	-	-	-	-
5	KDS-120+	0.75	1	32	25	210	-	-	-	-	-	-	3.0	2.5	2.2	1.7	0.9	-	-	-	-	-
6	KDS-123+	0.75	1	32	25	210	-	-	-	4.0	3.6	3.2	2.7	2.2	1.6	0.9	-	-	-	-	-	-
7	KDS-128+*	0.75	1	50	40	210	-	-	-	-	-	1.9	1.8	1.7	1.5	1.4	1.1	0.8	0.4	-	-	-
8	KDS-128+*	0.75	1	40	40	210	-	-	-	-	-	1.9	1.8	1.7	1.5	1.4	1.1	0.8	0.4	-	-	-
9	KDS-134+**	0.75	1	25	25	210	-	-	-	-	-	-	1.7	1.6	1.5	1.4	1.2	1.0	0.9	0.7	-	-
10	KDS-1.514++*	1.1	1.5	65	50	210	-	-	8.3	7.1	5.7	3.6	-	-	-	-	-	-	-	-	-	-
11	KDS-1.514++**	1.1	1.5	50	50	210	-	-	8.3	7.1	5.7	3.6	-	-	-	-	-	-	-	-	-	-
12	KDS-1.522++**	1.1	1.5	50	40	210	-	-	6.3	5.9	5.5	5.1	4.5	3.9	3.1	1.8	-	-	-	-	-	-
13	KDS-1.525++**	1.1	1.5	50	40	210	-	2.6	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.8	1.6	-	-	-	-\
14	KDS-212N*	1.5	2	80	80	230	-	14.1	12.4	10.4	7.5	-	-	-	-	-	-	-	-	-	-	-
15	KDS-213*	1.5	2	80	80	240	-	-	12.5	9.0	3.0	-	-	-	-	-	-	-	-	-	-	-
16	KDS-216M	1.5	2	80	80	230	-	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-
17	KDS-216++**	1.5	2	65	50	230	-	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-
18	KDS-222*	1.5	2	65	50	220	-	-	-	8.4	8.0	7.5	6.7	5.7	4.2	2.0	-	-	-	-	-	-
19	KDS-225++*	1.5	2	50	50	230	-	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	-	-	-	-	-
20	KDS-225+**	1.5	2	50	40	230	-	-	-	-	6.3	6.1	5.9	5.6	5.2	4.8	4.2	3.0	-	-	-	-
21	KDS-235+**	1.5	2	50	40	230	-	-	-	4.1	4.1	4.1	3.7	3.5	3.4	3.2	3.0	2.5	2.2	1.8	1.3	0.5
22	KDS-312	2.2	3	100	100	230	20.0	17.2	14.0	10.0	-	-	-	-	-	-	-	-	-	-	-	-
23	KDS-314+	2.2	3	100	100	230	-	19.0	18.0	16.4	14.5	12.0	-	-	-	-	-	-	-	-	-	-
24	KDS-314+ *	2.2	3	80	80	230	-	19.0	18.0	16.4	14.5	12.0	-	-	-	-	-	-	-	-	-	-
25	KDS-318++	2.2	3	80	80	210	-	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	-
26	KDS-318++	2.2	3	80	65	210	-	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	-
27	KDS-318++	2.2	3	65	50	210	-	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	-
28	KDS-325++ *	2.2	3	65	50	230	-	-	-	9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9	-	-	-	-
29	KDS-335++	2.2	3	50	40	230	-	-	-	-	5.7	5.5	5.4	5.2	5.0	4.8	4.5	4.3	3.9	3.5	3.0	2.3
30	KDS-515+	3.7	5	100	100	230	-	-	-	28.0	24.0	19.0	12.5	-	-	-	-	-	-	-	-	-
31	KDS-520+	3.7	5	80	80	230	-	24.0	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0	-	-	-	-	-	-
32	KDS-527++	3.7	5	80	65	230	-	-	-	-	-	-	14.3	13.5	12.5	11.6	10.3	8.7	6.4	-	-	-
								18	20	22	24	26	28	30	32	34	36	38	40	44	48	52
33	KDS-1.540+ **	1.1	1.5	32	25	210	-	-	-	2.0	1.9	1.7	1.6	1.5	1.3	1.1	0.9	0.6	-	-	-	-
34	KDS-246	1.5	2	32	25	210	-	-	-	-	-	-	-	3.2	3.0	2.8	2.5	2.2	1.7	0.5	-	
35	KDS-538+	3.7	5	65	50	230	-	-	8.5	8.4	8.3	8.1	7.8	7.6	7.1	6.1	5.8	-	-	-	-	-
36	KDS-550+	3.7	5	50	40	230	-	-	-	-	-	-	-	-	-	-	4.1	3.9	3.7	3.3	2.7	2.0

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.

PERFORMANCE CHART FOR 'KDS-LV' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																			
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES												
							4	6	8	10	12	14	16	18	20	22	24	26	28
		kW	HP	SUC.	DEL		DISCHARGE IN LITERS PER SECOND												
1	KDS-112 LV *	0.75	1	50	50	160	-	6.9	5.5	3.9	2.0	-	-	-	-	-	-	-	-
2	KDS-113 LPLV *	0.75	1	50	50	160	-	-	7.0	5.7	4.2	2.1	-	-	-	-	-	-	-
3	KDS-116 LV *	0.75	1	50	40	160	-	5.4	5.0	4.6	4.2	3.6	3.0	2.0	-	-	-	-	-
4	KDS-128 LV	0.75	1	40	40	160	-	-	-	-	-	1.9	1.8	1.7	1.5	1.4	1.1	0.8	0.4
5	KDS-1.514+ LV	1.1	1.5	65	50	160	-	-	8.5	7.2	5.7	3.6	-	-	-	-	-	-	-
6	KDS-1.514 LV*	1.1	1.5	50	50	160	-	-	8.5	7.2	5.7	3.6	-	-	-	-	-	-	-
7	KDS-1.522 LV	1.1	1.5	50	40	160	-	-	6.3	5.9	5.5	5.1	4.5	3.9	3.1	1.8	-	-	-
8	KDS-1.525 LV	1.1	1.5	50	40	160	-	2.6	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.8	1.6	-
9	KDS-212N LV *	1.5	2	80	80	200	-	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-	-
10	KDS-216 LV *	1.5	2	65	50	200	-	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	-
11	KDS-216+ LV *	1.5	2	80	65	200	-	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	-
12	KDS-222 LV	1.5	2	65	50	200	-	-	-	8.4	8.0	7.5	6.7	5.7	4.2	2.0	-	-	-
13	KDS-312 LV	2.2	3	100	100	200	20.0	17.2	14.0	10.0	-	-	-	-	-	-	-	-	-

LV Denotes - Low Voltage

Note: * Marked pumps are ISI certified.

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

PERFORMANCE CHART FOR 'KDS-P' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																	
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES										
							6	8	10	12	14	16	18	20	22	24	26
		kW	HP	SUC.	DEL		DISCHARGE IN LITERS PER SECOND										
1	KDS-112 P	0.75	1	50	50	240	6.9	5.5	3.9	2.0	-	-	-	-	-	-	-
2	KDS-113 LP	0.75	1	50	50	240	-	6.5	5.3	3.5	1.5	-	-	-	-	-	-
3	KDS-116+P	0.75	1	50	40	240	5.4	5.0	4.6	4.2	3.6	3.0	2.0	-	-	-	-
4	KDS-1.516 LP	1.1	1.5	65	50	240	-	-	8.5	7.5	5.2	2.6	-	-	-	-	-
5	KDS-1.522+ P	1.1	1.5	50	40	240	-	6.3	5.9	5.5	5.1	4.5	3.9	3.1	1.8	-	-
6	KDS-1.525+ P	1.1	1.5	50	40	240	2.6	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.8	1.6
7	KDS-214 LP	1.5	2	80	80	240	14.0	12.0	9.5	7.0	3.0	-	-	-	-	-	-
8	KDS-216M P	1.5	2	80	80	240	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-
9	KDS-216 LP	1.5	2	80	65	240	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-
10	KDS-216 A*	1.5	2	65	50	240	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-
11	KDS-216+ P	1.5	2	65	50	240	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-
12	KDS-222 P	1.5	2	65	50	240	-	-	7.8	7.0	6.2	5.3	4.0	1.2	-	-	-
13	KDS-225+ P	1.5	2	50	40	240	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	-
14	KDS-312 P	2.2	3	100	100	240	13.3	10.2	6.0	-	-	-	-	-	-	-	-
15	KDS-314+ P*	2.2	3	100	100	240	19.0	18.0	16.4	14.5	12.0	-	-	-	-	-	-
16	KDS-318+ P	2.2	3	80	80	240	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-

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

Enriching Lives

KAM

SINGLE PHASE
MONOBLOC PUMPS

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.

Automatic Air Release

Automatically releases air when the pump starts which ensures swifter and smoother operations, thus eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

Flatter Efficiency Curve

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

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.

Dynamically Balanced Rotating Parts

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

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.

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 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.

TECHNICAL SPECIFICATION

Head Range	:	Upto 19 metres
Discharge Range	:	Upto 14.2 lps
Power Ratings	:	0.37 to 1.1 kW/ (0.5 to 1.5 HP)
Voltage Range	:	120 to 220 Volts (Single Phase Low Voltage)
		180 to 240 Volts (Single Phase)
Insulation	:	B Class
Protection	:	IP 44

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

- Gardening and small farm irrigation
- Lawn sprinklers
- Construction site
- Domestic and community water supply
- Water transfer and circulation

PERFORMANCE CHART FOR 'KAM' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																					
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES														
							4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
		kW	HP	SUC.	DEL		DISCHARGE IN LITERS PER SECOND															
1	KAM-0 LV	0.37	0.5	25	25	200	-	-	-	-	-	-	-	1.8	1.6	1.4	1.2	1.0	0.8	0.5	0.3	0.1
2	KAM-05*	0.5	0.75	40	40	200	-	-	-	-	-	4.8	4.0	3.2	2.4	-	-	-	-	-	-	-
3	KAM-11	0.75	1	80	80	200	13.5	12.5	11.0	9.5	7.5	-	-	-	-	-	-	-	-	-	-	-
4	KAM-11 LV	0.75	1	80	80	160	13.5	12.5	11.0	9.5	7.5	-	-	-	-	-	-	-	-	-	-	-
5	KAM-15	1.1	1.5	80	80	230	-	-	-	-	-	14.2	13.0	12.0	11.0	9.0	6.5	-	-	-	-	-
6	KAM-15 LV*	1.1	1.5	80	80	200	-	-	-	-	-	14.2	13.0	12.0	11.0	9.0	6.5	-	-	-	-	-

LV Denotes - Low Voltage.
Note: * Marked pumps are ISI certified.

Enriching Lives

DC HASTI PUMBA PUZHA

SINGLE PHASE
MONOBLOC PUMPS

DC

HASTI

PUMBA PUZHA

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.

Designed to Prevent Overloading

Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.

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.

Automatic Air Release

Automatically releases air when the pump starts which ensures swifter and smoother operations, thus eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

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.

Shielded Ball Bearing

The pumps are fitted with shielded ball bearing which results in low noise level and so no external lubrication is required throughout the life cycle.

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.

TECHNICAL SPECIFICATION

Head	:	Upto 25 metres
Capacity	:	Upto 4.6 lps
Power Ratings	:	0.37 to 0.55 kW (0.5 to 0.75 HP)
Voltage Range	:	180 to 240 Volts (Single phase) except Hasti Pumps 160 to 240 Volts (Single phase) for Hasti Pumps

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron for DC Pumps Noryl for DC-4M, Pumba Puzha and Hasti Pumps
Delivery Casing	:	Cast Iron
Motor Body	:	Cast Iron (Extruded Aluminium for Pumba Puzha Pumps)
Pump shaft	:	Carbon Steel

APPLICATIONS

- Domestic and community water supply
- Gardening and small farm irrigation
- Lawn sprinklers
- Fountains
- Water transfer and circulation

PERFORMANCE CHART FOR 'DC/HASTI/ PUMBA PUZHA' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																			
S. No.	Pump Model	Power Rating		Pipe Size (mm)		FULL LOAD CURRENT (Amps)	RATED VOLTAGE (Volts)	TOTAL HEAD IN METRES											
								8	9	10.5	12	13.5	15	16.5	18	20	22	24	25
		kW	HP	SUC.	DEL			DISCHARGE IN LITERS PER SECOND											
1	HASTI 514LV	0.37	0.5	40	40	3.7	200	-	3.7	3.3	2.7	2.0	-	-	-	-	-	-	-
2	DC-0M	0.37	0.5	25	25	3.4	210	1.5	1.3	1.1	0.9	0.6	0.2	-	-	-	-	-	-
3	DC-1M*	0.37	0.5	25	25	3.4	210	1.9	1.8	1.6	1.4	1.1	0.9	0.6	0.3	-	-	-	-
4	PUMBA PUZHA *	0.37	0.5	25	25	2.6	220	-	1.9	1.8	1.6	1.4	1.1	0.8	0.4	-	-	-	-
5	DC-3M**	0.37	0.5	25	25	3.4	210	-	-	-	-	-	1.0	0.8	0.6	0.3	-	-	-
6	HASTI 520LV	0.37	0.5	25	25	3.7	200	-	-	-	-	-	1.7	1.4	1.2	0.6	-	-	-
7	DC-4M	0.55	0.75	25	25	4.8	210	-	-	-	-	1.6	1.5	1.4	1.3	1.2	1.0	0.8	0.6
8	DC-5M	0.55	0.75	40	40	5.1	200	-	4.6	3.6	1.8	-	-	-	-	-	-	-	-

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.
LV Denotes - Low Voltage.

Enriching Lives

DOMESTIC
PRODUCT RANGE

OPENWELL SUBMERSIBLE PUMP
Single Phase

Enriching Lives

KOSi

SINGLE PHASE
OPEN-WELL
SUBMERSIBLE PUMPS

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.

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

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 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.

TECHNICAL SPECIFICATION

Head Range	:	Upto 42 metres
Discharge Range	:	Upto 9.7 lps
Power Ratings	:	0.37 to 1.5 kW (0.5 to 2 HP)
Voltage Range	:	160 to 240 Volts (Single Phase)
Insulation	:	B Class
Protection	:	IP 68

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

PERFORMANCE CHART FOR 'KOSi' SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMPS, AT RATED SPEED, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																								
S. No.	Pump Model	Power Rating		Pipe Size (mm)		RATED VOLTAGE (Volts)	RATED SPEED (RPM)	TOTAL HEAD IN METRES																
								8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42
		kW	HP	SUC.	DEL			DISCHARGE IN LITRES PER SECOND																	
1	KOSi-0520	0.37	0.5	25	25	210	2740	-	-	1.7	1.5	1.0	0.5	-	-	-	-	-	-	-	-	-	-	-	-
2	KOSi-123	0.75	1	50	40	210	2800	-	4.3	3.7	3.3	3.0	2.3	1.6	-	-	-	-	-	-	-	-	-	-	-
3	KOSi-135	0.75	1	25	25	210	2800	-	-	-	-	-	2.2	2.0	1.7	1.6	1.4	1.0	0.8	0.3	-	-	-	-	-
4	KOSi-1.522	1.1	1.5	50	40	210	2800	6.3	5.8	5.5	5.0	4.5	3.7	3.0	1.5	-	-	-	-	-	-	-	-	-	-
5	KOSi-1.540	1.1	1.5	32	25	210	2800	-	-	-	-	-	-	-	-	2.8	2.6	2.3	2.0	1.6	1.2	0.7	-	-	-
6	KOSi-216	1.5	2	65	50	210	2840	-	9.7	8.2	7.0	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-
7	KOSi-225	1.5	2	50	40	210	2840	-	-	-	5.7	5.0	4.4	4.0	3.2	2.3	-	-	-	-	-	-	-	-	-
8	KOSi-245*	1.5	2	32	25	210	2800	-	-	-	4.2	4.1	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.5	2.2	1.9	1.6	1.2	0.4

Note : All pumps are five star rated except KOSi - 245.
Performance applicable to liquid of specific gravity 1 and viscosity as of water.

Enriching Lives

DOMESTIC
PRODUCT RANGE

SELF PRIMING PUMPS

Enriching Lives

MINI RANGE

TINY

PEARL

CHHOTU

STAR GALAXY

POPULAR LV

MINI 28S

WAVE

Enriching Lives

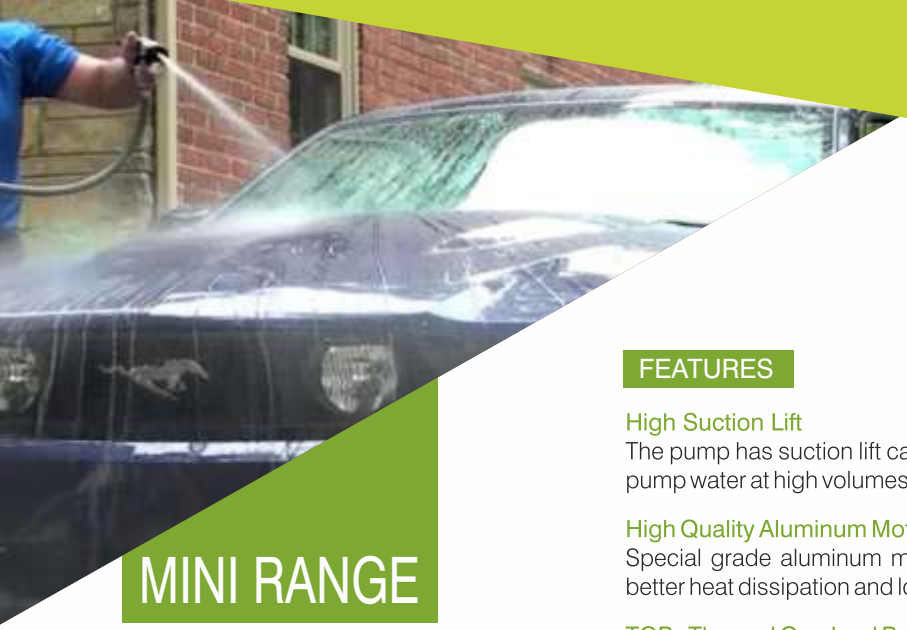
SPLASH

CRYSTAL

MINI 40S

MINI 50S

MEGA 54S



Enriching Lives

MINI RANGE

FEATURES

High Suction Lift
The pump has suction lift capacity up to 7.5 meters with high head, allowing to pump water at high volumes for a variety of applications.

High Quality Aluminum Motor Body
Special grade aluminum motor body provides high resistance to corrosion, better heat dissipation and lowers its overall weight for great portability.

TOP - Thermal Overload Protector
The pumpset features a Thermal Overload protector that protects the motor from overloading, shielding the motor and associated circuit from the effects of fault current.

Handle To Enhance Grip And Portability
A handle attached to the pump allows user to carry the pump anywhere, adding to its portability and convenience of use.

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.

Shielded Ball Bearing
The pumps are fitted with shielded ball bearing so no external lubrication required through life cycle and low noise level.

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.

APPLICATIONS

- Water supply to over head tanks in bungalows
- Gardens/ fountains
- Feed water to RO plants
- Domestic water supply
- Construction site
- Home pressure boosting
- Car Washing
- Lawn sprinklers

Enriching Lives

TECHNICAL SPECIFICATION

REGENERATIVE PUMPS

Head	:	Upto 52 meters
Capacity	:	Upto 4500 LPH
Power Rating	:	0.37 to 1.1 kW / 0.5 to 1.5 HP
Voltage range	:	180 to 240 Volts (Single phase) - except Wave Pumps
		180 to 255 Volts (Single phase) - for Wave Pumps
		300 to 440 Volts (Three phase)*
		180 to 260 Volts (Single Phase) - for MINI 50 C

PERFORMANCE CHART FOR MINI RANGE PUMPS, 'MINI' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY

S. No.	Pump Model	Power Rating		Pipe Size (mm)		Full Load Current	Rated Voltage	TOTAL HEAD IN METERS															
								3	6	9	10	12	14	15	18	20	21	22	24	25	26	28	30	32
		kW	HP	SUC.	DEL	(Amps)	(Volts)	DISCHARGE IN LITRES PER HOUR																
1	TINY	0.18	0.25	19	19	2	230	1600	1300	1100	1008	800	648	600	-	-	-	-	-	-	-	-	-	-
2	PEARL	0.37	0.5	25	25	2	210	-	2250	1944	1872	1656	1440	1332	1044	792	720	600	400	-	-	-	-	-
3	CHHOTU	0.37	0.5	25	25	2	220	-	1980	1692	1620	1440	1296	1224	1008	792	756	702	504	396	360	-	-	-
4	STAR GALAXY	0.37	0.5	25	25	2.6	240	-	2700	2376	2250	2016	1890	1728	1460	1224	1152	1080	790	720	576	450	-	-
5	POPULAR LV	0.37	0.5	25	25	2.6	180	-	2700	2160	2061	1700	1368	1224	864	720	648	612	550	504	468	450	-	-
6	MINI-28S*	0.37	0.5	25	25	3.4	210	-	3150	2808	2745	2520	2295	2160	1845	1656	1512	1440	1224	1080	990	720	-	-
7	WAVE	0.37	0.5	25	25	3.4	240	-	2450	2232	2160	2050	1944	1872	1710	1656	1620	1512	1440	1372	1260	1170	936	800
8	SPLASH	0.75	1	25	25	4.5	230	-	3000	2736	2680	2448	2232	2160	1872	1650	1584	1512	1368	1250	1080	500	-	-
9	CRYSTAL	0.75	1	25	25	4.5	230	-	3200	2376	2250	2088	1944	1890	1665	1460	1368	1296	1152	1080	936	650	-	-
								6	10	12	14	18	20	22	24	26	28	30	32	34	38	40	41	42
10	MINI-40S*	0.75	1.02	25	25	4.5	230	-	3000	2736	2600	2250	2088	1980	1728	1530	1300	1200	1000	720	360	200	-	-
								10	12	14	18	20	22	24	26	28	30	32	34	38	40	42	50	52
11	MINI-50S*	0.75	1.02	25	25	6.5	230	3200	3096	2960	2730	2592	2430	2304	2160	1980	1850	1692	1584	1296	1175	1008	400	-
12	MINI-50C	0.75	1	25	25	6.5	230	2900	2898	2880	2808	2754	2700	2628	2520	2376	2196	1980	1800	1512	1368	1224	520	-
13	MEGA-54S*	1.1	1.5	25	25	8.6	210	4500	4320	4104	3672	3456	3168	2952	2664	2448	2232	2016	1800	1440	1296	1152	648	504

Note: * Marked pumps are also available in three phase. Performance applicable to liquid of specific gravity 1 and Viscosity as of water.

CMS

CBR 140

AQUA

V-FLOW

TECHNICAL SPECIFICATION

		V Flow	AQUA	CMS and CBR 140
Head	:	Upto 50 meters	Upto 41 meters	Upto 42 meters
Capacity	:	Upto 2560 LPH	Upto 3200 LPH	Upto 3820 LPH
Power Rating	:	0.37-0.75 kW (0.5-1.02 HP)	0.37-1.1 kW (0.5-1.5 HP)	0.37 to 0.75 kW (0.5 to 1 HP)
Voltage range	:	180 to 240 Volts (Single Phase)	180 to 240 Volts (Single Phase)	180 to 240 Volts (Single Phase)

PERFORMANCE CHART FOR 'V-FLOW' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																			
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Full Load Current	Rated Voltage	TOTAL HEAD IN METRES											
								6	10	14	18	22	26	30	34	38	42	46	50
		kW	HP	SUC.	DEL	(Amps)	(Volts)	DISCHARGE IN LITRES PER HOUR											
1	V FLOW	0.37	0.5	25	25	4.5	240	-	2439	2250	2043	1773	1457	1134	729	-	-	-	-
2	V FLOW-1	0.75	1	25	25	7.6	240	2560	2520	2420	2260	2060	1840	1620	1380	1140	860	280	140

PERFORMANCE CHART FOR 'AQUA' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																				
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Full Load Current	Rated Voltage	TOTAL HEAD IN METRES												
								3	6	8	10	12	14	15	18	22	24	26	30	36	40	41
		kW	HP	SUC.	DEL	(Amps)	(Volts)	DISCHARGE IN LITRES PER HOUR														
1	AQUA-50	0.37	0.5	12	12	2.8	220	1200	1100	1080	900	765	670	300	-	-	-	-	-	-	-	-
2	AQUA-60	0.37	0.5	12	12	2.8	220	-	1620	1570	1485	1415	1350	1300	1170	945	800	600	-	-	-	-
3	AQUA STREAM	0.37	0.5	25	25	3.5	240	-	1640	1590	1545	1490	1440	1420	1350	1215	1145	1060	835	540	-	-
4	AQUA-100	0.75	1	25	25	3.3	220	-	2160	2025	1930	1810	1750	1710	1580	1440	1360	1300	1105	780	450	360
5	AQUA-150	1.1	1.5	25	25	8.8	220	-	3200	2950	2880	2835	2790	2745	2655	2520	2430	2340	2160	1890	1710	-

PERFORMANCE CHART FOR OF 'CMS/CBR' SERIES, 4 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Full Load Current	Rated Voltage	TOTAL HEAD IN METRES								
								6	10	14	18	22	26	30	34	38	42
		kW	HP	SUC.	DEL	(Amps)	(Volts)	DISCHARGE IN LITRES PER HOUR									
1	CBR 140	0.75	1	25	25	7.6	240	3348	3105	2808	2448	2088	1764	1440	1116	828	432

PERFORMANCE CHART FOR OF 'CMS' SERIES, 4 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																		
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Current	Rated Voltage	TOTAL HEAD IN METRES										
								5	6	9	11	13	15	17	19	21	23	25	26
		kW	HP	SUC.	DEL	(Amps)	(Volts)	DISCHARGE IN LITRES PER HOUR											
1	CMS 525N	0.37	0.5	25	25	3.5	220	3300	3200	2920	2710	2520	2300	2050	1810	1520	1120	850	700

PERFORMANCE CHART FOR OF 'CMS 140N' , 4 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																	
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Current	Rated Voltage	TOTAL HEAD IN METRES									
								7	11	15	17	19	21	23	25	30	34	38
		kW	HP	SUC.	DEL	(Amps)	(Volts)	DISCHARGE IN LITRES PER HOUR										
1	CMS 140N	0.75	1.0	25	25	6.2	220	3820	3650	3420	3310	3150	2980	2825	2650	2160	1750	1340

Enriching Lives

DOMESTIC
PRODUCT RANGE

SELF PRIMING PUMPS
ULTRA SERIES

Enriching Lives

MINI RANGE

Ultra SERIES

CHHOTU STAR Ultra

JALRAAJ - 1 Ultra

JALRAAJ Ultra

STAR Ultra

POPULAR Ultra

WONDER - III Ultra

FEATURES

Shielded Ball Bearing
The pumps are fitted with shielded ball bearing so no external lubrication required through life cycle and low noise level.

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.

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.

TOP - Thermal Overload Protector
The pumpset features a Thermal Overload protector that protects the motor from overloading, shielding the motor and associated circuit from the effects of fault current.

Light weight and Compact Design
It allows user to carry the pump anywhere with ease, adding to its portability and convenience of use.

High Suction Lift
The pump has suction lift capacity up to 7.5 meters with high head, allowing to pump water at high volumes for a variety of applications.

High Quality Aluminum Motor Body
Special grade aluminum motor body provides high resistance to corrosion, better heat dissipation and lowers its overall weight for great portability.

Enhanced Safety Features
All electrical parts of the pump are covered, which makes it safer to use.

Wide Voltage Design
The motor is designed to withstand wide voltage fluctuations from 180 to 260 volts and reduces motor burning in low voltage.

TECHNICAL SPECIFICATION

Head	:	Upto 40 meters
Capacity	:	Upto 3350 LPH
Power Rating	:	0.37 to 0.75 kW / 0.5 to 1.0 HP
Voltage Range	:	180 to 260 Volts (Single Phase)

APPLICATIONS

- Water supply for bungalows, apartments & hotels
- Farmhouse fountains, sumps and water tanks
- Gardening and small farm irrigation.

Enriching Lives

PERFORMANCE CHART FOR 'MINI-ULTRA' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																			
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Full Load Current (Amps)	Rated Voltage (Volts)	TOTAL HEAD IN METRES											
								6	10	14	18	22	26	28	30	32	33	34	38	40
		kW	HP	SUC.	DEL.			DISCHARGE IN LITRES PER HOUR												
1	Jalraaj Ultra	0.37	0.5	25	25	2	220	1800	1440	1150	935	720	430	-	-	-	-	-	-	-
2	Wonder III Ultra	0.37	0.5	25	25	3	220	2050	1655	1400	1150	865	500	360	-	-	-	-	-	-
3	Star Ultra	0.37	0.5	25	25	2.6	220	2735	2450	2160	1800	1370	935	720	-	-	-	-	-	-
4	Chhotu Star Ultra	0.75	1	25	25	3.6	220	2880	2520	2200	1870	1585	1150	940	720	500	-	-	-	-
5	Jalraaj 1 Ultra	0.75	1	25	25	4	220	3300	2990	2660	2300	1980	1670	1365	1300	-	-	-	-	-
6	Popular Ultra	0.75	1	25	25	4.5	220	3350	3025	2650	2300	2025	1655	1510	1400	1260	1220	1150	865	755
7	Splash Ultra	0.75	1	25	25	4	220	3450	2990	2520	2090	1655	1150	860	-	-	-	-	-	-
8	Crystal Ultra	0.75	1	25	25	4	220	3450	2950	2450	2015	1550	1080	790	-	-	-	-	-	-

Enriching Lives

DOMESTIC
PRODUCT RANGE

SELF PRIMING PUMPS
SPARKLE RANGE

Enriching Lives

MINI RANGE

Sparkle
MINI RANGE PUMPS

FEATURES

Shielded Ball Bearing
The pumps are fitted with shielded ball bearing so no external lubrication required through life cycle and low noise level.

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.

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.

TOP - Thermal Overload Protector
The pumpset features a Thermal Overload protector that protects the motor from overloading, shielding the motor and associated circuit from the effects of fault current.

Light Weight And Compact Design
It allows user to carry the pump anywhere with ease, adding to its portability and convenience of use.

High Suction Lift
The pump has suction lift capacity up to 7.5 meters with high head, allowing to pump water at high volumes for a variety of applications.

High Quality Aluminum Motor Body
Special grade aluminum motor body provides high resistance to corrosion, better heat dissipation and lowers its overall weight for great portability.

Enhanced Safety Features
All electrical parts of the pump are covered, which makes it safer to use.

Wide Voltage Design
The motor is designed to withstand wide voltage fluctuations from 180 to 240 volts and reduces motor burning in low voltage.

TECHNICAL SPECIFICATION

Head	:	Upto 26 meters
Capacity	:	Upto 2200 LPH
Power Rating	:	0.37kW / 0.5 HP
Voltage range	:	180 to 240 Volts (Single Phase)

APPLICATIONS

- Water supply for bungalows, apartments & hotels
- Farmhouse fountains, sumps and water tanks
- Gardening and small farm irrigation.

PERFORMANCE CHART FOR 'MINI-SPARKLE' SERIES PUMPS AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE AC POWER SUPPLY													
S. No.	Pump Model	Power Rating		Pipe Size (mm)		FULL LOAD CURRENT (Amps)	RATED VOLTAGE (Volts)	TOTAL HEAD IN METRES					
								6	10	14	18	22	26
		kW	HP	SUC.	DEL			DISCHARGE IN LITERS PER HOUR					
1	SPARKLE BLUE	0.37	0.5	25	25	2	220	2200	1700	1300	1000	620	250
2	SPARKLE GREEN	0.37	0.5	25	25	2	220	2200	1700	1300	1000	620	250
3	SPARKLE YELLOW	0.37	0.5	25	25	2	220	2200	1700	1300	1000	620	250
4	SPARKLE RED	0.37	0.5	25	25	2	220	2200	1700	1300	1000	620	250

Enriching Lives

DOMESTIC
PRODUCT RANGE

JET PUMPS

Enriching Lives

KJ

JET PUMPS

FEATURES

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

Shielded Ball Bearing
The pumps are fitted with shielded ball bearing so no external lubrication required through life cycle and low noise level.

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.

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

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.

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

TECHNICAL SPECIFICATION

Depth to Low Water Level	:	Upto 48 metres
Capacity	:	Upto 3600 LPH
Power Rating	:	0.37 to 1.1 kW (0.5 to 1.5 HP)
Voltage Range	:	180 to 240 Volts (Single Phase)
Insulation	:	B Class
Protection	:	IP 44
Well Size	:	50 mm to 115 mm

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Delivery Casing	:	Cast Iron
Motor Body	:	Cast Iron
Pump Shaft	:	Carbon Steel
Jet Unit	:	Bronze

APPLICATIONS

- Domestic water supply
- Water supply to over head tanks in bungalows
- Construction site
- Gardens / Fountains
- Lawn sprinklers

PERFORMANCE CHART FOR KJ PUMPS AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE-PHASE AC POWER SUPPLY																									
Sr. No.	Pump Model Twin Type	Jet Unit	Min. Well Size (mm)	Min. Operating Pressure (Meters)	Power Rating		Pipe Size (mm)			Rated Voltage (Volts)	DEPTH TO LOW WATER LEVEL IN METRES														
											9	12	15	18	21	24	27	30	33	36	39	42	45	48	
					kW	HP	DEL.	PRESS.	DIS.		DISCHARGE IN LITRES PER HOUR														
1	KJ-05V/H	4T6	100	8	0.37	0.5	32	25	25	210	1920	1680	1320	1020	720	540	360	-	-	-	-	-	-	-
2	KJ-10V*/H	4T3	100	19	0.75	1.0	32	25	25	210	2700	2520	2220	1800	1500	1250	960	660	-	-	-	-	-	-
3	KJ-10V/H	4T6	100	19	0.75	1.0	32	25	25	210	1800	1790	1525	1300	1090	900	725	570	432	300	180	120	-	-
4	KJ-10V*/H	5T2	115	19	0.75	1.0	40	32	25	210	3360	3090	2700	2340	1990	1600	1240	1000	-	-	-	-	-	-
5	KJ-15V*/H	4T6	100	23	1.10	1.5	32	32	25	210	1940	1920	1880	1860	1740	1560	1350	1170	1050	920	810	690	570	480
6	KJ-15V*/H	4T6	110	23	1.10	1.5	32	25	25	210	1896	1884	1860	1764	1584	1356	1152	960	780	648	516	384	264	-
7	KJ-15V*/H	5T2	115	22	1.10	1.5	40	32	25	210	3600	3360	3000	2670	2350	2010	1680	1320	1080	720	-	-	-	-
	PACKER TYPE																								
8	KJ-10V/H	2P1	50	20	0.75	1.0	32	25	25	210	-	1600	1200	1062	900	540	-	-	-	-	-	-	-	-

Note:

1. * Marked pumps are ISI certified.
2. Performance applicable to 4 meters submergence of jet unit in water.
3. Performance applicable to liquid of specific gravity 1 and viscosity as of water.

Enriching Lives

DOMESTIC
PRODUCT RANGE

SHALLOW WELL PUMPS

Enriching Lives

KSW LIFTER

SHALLOW WELL PUMPS

KSW

LIFTER

FEATURES

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.

High Quality Aluminum Motor Body
Special grade aluminum motor body provides high resistance to corrosion, better heat dissipation and lowers its overall weight for great portability.

High Suction Lift
The pump has suction lift capacity upto 8.5 meters with high head, allowing pumping water at high volumes for a variety of applications

Wide Voltage Design
The motor is designed to withstand wide voltage fluctuations from 182 to 240 volts and reduces motor burning in low voltage.

TOP - Thermal Overload Protector
The pumpset features a Thermal Overload protector that protects the motor from overloading, shielding the motor and associated circuit from the effects of fault current.

Handle to Enhance Grip and Portability
A handle attached to the pump allows user to carry the pump anywhere, adding to its portability and convenience of use.

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.

Shielded Ball Bearing
The pumps are fitted with shielded ball bearing so no external lubrication required through life cycle and low noise level.

TECHNICAL SPECIFICATION

Head Range	:	Upto 40 metres
Discharge Range	:	Upto 3600 LPH
Power Ratings	:	0.37 to 1.1 kW (0.5 to 1.5 HP)
Voltage Range	:	180 to 240 Volts (Single Phase)

APPLICATIONS

- Domestic water supply
- Water supply to over head tanks
- Gardens / Fountains
- Car washing
- Lawn sprinklers

PERFORMANCE CHART FOR 'LIFTER/KSW' SERIES, 2 POLE, SHALLOW WELL PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																									
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Full Load Current	Rated Voltage	TOTAL HEAD IN METRES																	
								5	8	10	12	15	16	20	22	24	25	26	28	30	32	34	35	36	40
		kW	HP	SUC.	DEL	(Amps)	(Volts)	DISCHARGE IN LITRES PER HOUR																	
1	LIFTER-50	0.37	0.5	25	25	2.8	220	-	-	2300	2170	1890	1755	1050	500	-	-	-	-	-	-	-	-	-	-
2	LIFTER-60	0.37	0.5	25	25	3.4	220	-	2600	2520	2460	2340	2290	2070	1900	1750	1690	1590	1110	600	-	-	-	-	-
3	KSW-05	0.37	0.5	25	25	4.2	230	3300	3200	3120	3000	2820	2750	2400	2200	2040	1950	1850	1680	1500	-	-	-	-	-
4	LIFTER-100	0.75	1	25	25	5.5	220	-	-	-	-	-	-	-	2700	2500	2390	2260	2050	1800	1440	1000	810	630	-
5	KSW-10	0.75	1	25	25	5.5	240	-	-	-	-	3600	3550	3300	3000	2550	2400	2250	2050	1800	1450	1050	900	750	300
6	LIFTER-150	1.1	1.5	25	25	5.5	220	-	-	-	-	-	-	-	-	-	-	2500	2340	2070	1710	1440	1250	1080	-

Enriching Lives

DOMESTIC
PRODUCT RANGE

PRESSURE BOOSTING SYSTEM

Enriching Lives

CPBS

PRESSURE
BOOSTING SYSTEM

FEATURES

Compact Reliable And Silent
Dynamically balanced rotating parts, superior quality bearings and SS fabricated impellers with compact design ensures reliable and silent operations.

TOP - Thermal Overload Protector
The pumpset features a Thermal Overload protector that protects the motor from overloading, shielding the motor and associated circuit from the effects of fault current.

Diaphragm Type Pressure Tank
Diaphragm type pressure tank made from high grade engineering material.

Reliable And Durable Components
Reliable and durable peripheral parts such as Pressure Switch, Standardized Size of 5 Way Connector, and Italian make NRV and SS hose pipe.

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

TECHNICAL SPECIFICATION

Head Range	:	Upto 52 meters
Discharge Range	:	Upto 140 LPM
Power Rating	:	0.4 to 1.1 kW (0.6 to 1.5 HP)
Pressure Range	:	Upto 4.4 kg/cm^2
Voltage range	:	180 to 240 Volts (Single Phase)
Insulation	:	B Class
Protection	:	IP 44
Tank Size	:	24 Litres

MATERIAL OF CONSTRUCTION

Impeller	:	Stainless Steel
Diffuser	:	Stainless Steel
Motor Body	:	Aluminum Die Cast
Pump Shaft	:	Steel
Pump Stage Casing	:	Stainless Steel
Suction & Delivery Casing	:	Cast Iron

APPLICATIONS

- Constant pressure at multi outlets.
- Multi jet shower panels.
- Washing machine, hot water geyser, gas geyser.
- Pressurised washing of vehicles.
- Kitchenware washing.

PERFORMANCE CHART FOR 'CPBS' SERIES, PRESSURE BOOSTING SYSTEM, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																	
S. No.	Pump Model Horizontal/ Vertical Models	Power Rating		Pipe Size (mm)		Rated Current (Amps)	Rated Voltage (Volts)	Pressure Range (kg/cm2)	No. of Outlets/ Taps	No. of Stages	DISCHARGE IN LPM						
		kW	HP	SUC.	DEL.						20	40	60	80	100	120	140
											TOTAL HEAD IN METERS						
1	CPBS-52424H / V	0.4	0.6	25	25	5.5	220	1.4 - 2.4	5	2	25	21	17	6	-	-	-
2	CPBS-62824H / V	0.6	0.8	25	25	6.5	220	1.8 - 2.8	6	3	35	30	26	16	6	-	-
3	CPBS-73624H / V	0.75	1.0	25	25	7.5	220	2.2 - 3.6	7	4	41	37	33	29	24	18	6
4	CPBS-84424H / V	1.1	1.5	25	25	8.5	220	2.4 - 4.4	8	5	52	47	43	37	30	24	12

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

Enriching Lives

HL

HI - LIFTER

FEATURES

- **Corrosion, erosion and rust-free, maintains water hygienic & safe for drinking**
- **Suitable for lifting water to grater heights with higher pressure**
- **Dynamically balanced rotating components for consistence performance**
- **Base support for stability and reduction in noise/vibrant**
- **Thermal overload protector to prevent motor burning**
- **Ready for conversion into a new generation pressure boosting system**

TECHNICAL SPECIFICATION

Head Range	:	Upto 50 meters
Capacity	:	Upto 75 LPM
Power Rating	:	0.37 to 0.93 kW (0.5 to 1.25 HP)
Voltage Range	:	220 Volts±10%

MATERIAL OF CONSTRUCTION

Part	:	**Single Stage (HL)**	**Multi Stage (HL MS)**
Pump casing	:	Stainless Steel	Stainless Steel
Impeller	:	Stainless Steel	Noryl
Shaft	:		Superior Steel
Mechanical Seal	:		Carbon / Ceramic

APPLICATIONS

- Lifting water to apartments and bungalows
- Pumping water from shallow wells and tanks
- Suitable for pressure boosting system

Hi Lifters (Single-Stage)																
S. No.	Pump Model	Power Rating		TOTAL HEAD IN METERS												
				40	36	34	30	26	22	20	16	12	8	5	3	
		kW	HP	DISCHARGE IN LPM												
1	HL23	0.37	0.5							8	13	20	30	40	50	
2	HL35	0.3	0.4			2	7	12	19	24	42	46	49			
3	HL37	0.55	0.75		2	3	11	18	30	37	45	49	52			
4	HL42	0.6	0.8	3	12	18	28	36	42	45	48	51	54			

Hi Lifters (Multi-Stage)																
S. No.	Pump Model	Power Rating		TOTAL HEAD IN METERS												
				50	46	42	38	34	32	30	26	22	18	14	10	
		kW	HP	DISCHARGE IN LPM												
1	HL32MS	0.75	1							16	36	48	57	63	70	
2	HL42MS	0.75	1.0			6	24	36	42	45	51	57	63	69	75	
3	HL52MS	0.93	1.25	12	27	36	44	51	54	56	61.5	65	69	72		

Enriching Lives

SUBMERSIBLE
PRODUCT RANGE

BOREWELL SUBMERSIBLE
3"& 4" OIL FILLED PUMPSETS

Enriching Lives

KP3S

3" BOREWELL SUBMERSIBLE PUMPS

FEATURES

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.

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

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

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.

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

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

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

Suitable for Horizontal Applications
Motor with ball bearings are suitable for horizontal installation for water transfer at high heads in residential complexes.

TECHNICAL SPECIFICATION

Head Range	:	Upto 87 metres
Discharge Range	:	Upto 96 LPM/ 5.8 m^3 / h
Power Ratings	:	0.37 to 1.1 kW (0.5 to 1.5 HP)
Voltage Range	:	160 to 240 Volts (Single Phase)
Type of Cooling	:	Oil cooled
Insulation	:	F Class
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

Pump Housing	:	Stainless Steel
Pump Shaft	:	Stainless Steel
Motor Housing	:	Stainless Steel
Motor Shaft	:	Stainless Steel
Pump Bushes	:	Gun Metal
Impeller	:	Noryl
Diffuser	:	Noryl
NRV	:	Cast Iron
Suction	:	Cast Iron
Bearing type	:	Ball bearing

APPLICATIONS

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

PERFORMANCE CHART FOR 75 MM (3") BOREWELL SUBMERSIBLE PUMPSETS - KP3S SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	20	30	50	60	70	90	96
		kW	HP				m^3/h	0	1.2	1.8	3.0	3.6	4.2	5.4	5.8
1	KP3S-0610	0.37	0.50	10	32	4.4	Head in Meters	28	27	24	19	17	15	7	4
2	KP3S-0612	0.75	1.00	12	32	7.8		34	33	29	23	20	18	9	5
3	KP3S-0615	0.55	0.75	15	32	6.0		43	41	36	29	25	22	11	6
4	KP3S-0615	0.75	1.00	15	32	7.8		43	41	36	29	25	22	11	6
5	KP3S-0620	0.75	1.00	20	32	7.8		57	55	48	38	33	29	15	8
6	KP3S-0626	0.93	1.25	26	32	9.8		74	71	62	50	43	38	19	11
7	KP3S-0632	1.10	1.50	32	32	11.7		91	87	76	62	53	47	23	14

Enriching Lives

KU4

4" BOREWELL
SUBMERSIBLE PUMPS

FEATURES

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.

Material of Construction
All the parts are Non Corrosive by nature.

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

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.

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

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

Suitable For Horizontal Applications
Motor with ball bearings are suitable for horizontal installation for water transfer at high heads in residential complex.

Splined Shaft
Splined shaft made by cold extrusion technology with high surface strength provides better life and good axiality.

TECHNICAL SPECIFICATION

Head Range	:	Upto 251 meters
Discharge Range	:	Upto 350 LPM
Power Ratings	:	0.37 to 4.0 kW (0.5 to 5.5 HP)
Voltage Range	:	150 to 240 Volts (Single Phase)
		280 to 440 Volts (Three Phase)
Type of Cooling	:	Oil Cooled
Insulation	:	F Class
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

Pump Housing	:	Stainless Steel
Pump Shaft	:	Stainless Steel
Motor Housing	:	Stainless Steel
Motor Shaft	:	Stainless Steel
Motor Bearing	:	Ball Bearing
Pump Bushes	:	NBR
Impeller	:	Noryl
Diffuser	:	Noryl
NRV	:	Stainless Steel
Suction	:	Stainless Steel

APPLICATIONS

- Domestic and community water supply
- Water supplies for high rise building
- Gardening and small farm irrigation
- Construction site
- Ground Water supply to water works

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KU4 - 02 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	5	10	15	20	25	30	35
		kW	HP			1PH	3PH	m^3/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
1	KU4-0214 *S	0.37	0.50	14	32	4.1	1.4	Head in Meters	74	69	64	57	50	41	31	20
2	KU4-0221	0.55	0.75	21	32	5.0	1.9		107	104	96	86	75	62	47	30
3	KU4-0224	0.75	1.00	24	32	6.7	2.5		122	118	110	98	86	70	53	34
4	KU4-0228	0.75	1.00	28	32	6.7	2.5		144	138	128	114	100	82	62	40
5	KU4-0234	1.10	1.50	34	32	9.5	2.9		176	168	155	138	121	100	75	49
6	KU4-0240	1.10	1.50	40	32	9.5	2.9		206	197	183	163	143	117	89	57

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KU4 - 03 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	10	20	25	30	35	40	50
		kW	HP			1PH	3PH	m^3/h	0	0.6	1.2	1.5	1.8	2.1	2.4	3.0
1	KU4-0307 #T*S	0.37	0.50	07	32	4.1	1.4	Head in Meters	45	44	39	36	32	28	22	10
2	KU4-0310	0.55	0.75	10	32	5.0	1.9		64	63	56	51	46	39	31	14
3	KU4-0311 #T*S	0.75	1.00	11	32	6.7	2.5		70	69	61	56	50	43	35	16
4	KU4-0314 #T*S	0.75	1.00	14	32	6.7	2.5		89	88	78	71	64	55	44	20
5	KU4-0318 *S	1.10	1.50	18	32	9.5	2.9		115	113	100	91	82	71	57	26
6	KU4-0321 *S	1.10	1.50	21	32	9.5	2.9		134	132	117	107	96	83	66	30
7	KU4-0328 #S	1.50	2.00	28	32	12.5	4.0		179	176	156	142	128	110	88	40
8	KU4-0334	2.20	3.00	34	32	16.0	6.0		217	214	189	172	155	134	107	49
9	KU4-0340	2.20	3.00	40	32	16.0	6.0		255	251	223	203	183	157	126	57

Note:

 # - BIS Certification | * - BEE STAR accreditation | S - Single Phase | T - Three Phase

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KU4 -07 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	40	50	60	70	80	90	100
		kW	HP			1PH	3PH	m^3/h	0	2.4	3.0	3.6	4.2	4.8	5.4	6.0
1	KU4-0704 #T	0.37	0.50	04	32	4.1	1.4	Head in Meters	28	24	23	21	18	14	11	5
2	KU4-0706	0.55	0.75	06	32	5.0	1.9		41	36	35	31	26	21	17	8
3	KU4-0707	0.55	0.75	07	32	5.0	1.9		48	42	40	36	31	25	20	9
4	KU4-0707 *S	0.75	1.00	07	32	6.7	2.5		51	45	43	39	34	28	20	10
5	KU4-0708 *S	0.75	1.00	08	32	6.7	2.5		54	48	46	41	35	28	23	11
6	KU4-0709 #T*S	0.75	1.00	09	32	6.7	2.5		61	55	52	46	39	32	26	12
7	KU4-0711	1.10	1.50	11	32	9.5	2.9		75	67	63	56	48	39	31	14
8	KU4-0713 *S	1.10	1.50	13	32	9.5	2.9		87	79	75	67	57	46	37	16
9	KU4-0715	1.50	2.00	15	32	12.5	4.0		100	91	86	77	66	53	43	19
10	KU4-0718 *ST	1.50	2.00	18	32	12.5	4.0		123	109	104	92	79	63	51	23
11	KU4-0722 #T	1.87	2.50	22	32	14.25	NA		150	133	127	113	96	77	63	28
12	KU4-0727	2.20	3.00	27	32	16.0	6.0		181	164	155	138	118	95	77	34
13	KU4-0736	3.00	4.00	36	32	NA	8.5		241	218	207	185	158	126	103	45

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KU4 - 08 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	20	40	60	80	100	120	140
		kW	HP			1PH	3PH	m^3/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
1	KU4-0807 #T	0.75	1.00	07	32	6.7	2.5	Head in Meters	41	40	38	36	34	32	27	20
2	KU4-0810 #T	1.10	1.50	10	32	9.5	2.9		59	57	56	51	49	46	39	29
3	KU4-0814 *ST	1.50	2.00	14	32	12.5	4.0		82	80	79	72	68	64	54	40
4	KU4-0821 #ST	2.20	3.00	21	32	16.0	6.0		123	120	119	108	102	96	81	60
5	KU4-0828 #T	3.00	4.00	28	32	NA	8.5		164	160	158	144	136	128	108	80
6	KU4-0838 #T	3.70	5.00	38	32	NA	10.0		223	217	214	195	185	174	147	109

Note:

 # - BIS Certification | ✱ - BEE STAR accreditation | S - Single Phase | T - Three Phase

Enriching Lives

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KU4 - 15 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	105	120	135	150	165	180	195
		kW	HP			1PH	3PH	m^3/h	0	6.3	7.2	8.1	9.0	9.9	10.8	11.7
1	KU4-1504	0.55	0.75	04	50	5.0	1.4	Head in Meters	27	25	24	22	20	16	12	8
2	KU4-1505	0.75	1.00	05	50	6.7	2.5		33	31	30	28	24	20	15	10
3	KU4-1507 #S	1.10	1.50	07	50	9.5	2.9		46	44	42	39	34	28	21	14
4	KU4-1509 #S	1.50	2.00	09	50	12.5	4.0		58	56	54	50	44	36	27	18
5	KU4-1512 #T	2.20	3.00	12	50	16.0	6.0		77	75	72	66	59	48	36	24
6	KU4-1514	2.20	3.00	14	50	16.0	6.0		90	88	84	77	68	56	42	28
7	KU4-1519	3.00	4.00	19	50	NA	8.5		122	119	114	105	93	76	57	38
8	KU4-1524	3.70	5.00	24	50	NA	10.0		155	150	144	132	117	96	72	48
9	KU4-1526 #T	3.70	5.00	26	50	NA	10.0		166	163	156	143	127	104	78	52

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KU4 -25 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	100	150	200	250	275	300	350
		kW	HP			1PH	3PH	m^3/h	0	6	9	12	15	17	18	21
1	KU4-2504 #T*S	1.10	1.50	04	50	9.5	2.9	Head in Meters	22	21	18	15	12	10	8	5
2	KU4-2506 #T	1.50	2.00	06	50	12.5	4.0		33	31	27	23	17	15	12	8
3	KU4-2507	1.87	2.50	07	50	14.25	5.0		39	36	32	26	20	18	14	9
4	KU4-2509	2.20	3.00	09	50	16.0	6.0		50	46	41	34	26	23	18	11
5	KU4-2512 #T	3.00	4.00	12	50	NA	8.5		66	62	54	45	35	30	24	15
6	KU4-2516 #T	3.70	5.00	16	50	NA	10.0		88	82	72	60	46	40	32	20

Enriching Lives

KP4

4" BOREWELL
SUBMERSIBLE PUMPS

FEATURES

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.

Wide Voltage Design
The motor is designed to withstand wide voltage fluctuations they reduces motor burning in low voltage.

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

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.

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

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

Suitable For Horizontal Applications
Motor with ball bearings are suitable for horizontal installation for water transfer at high heads in residential complex.

Splined Shaft
Splined shaft made by cold extrusion technology with high surface strength provides better life and good axiality.

TECHNICAL SPECIFICATION

Head Range	:	Upto 132 meters
Discharge Range	:	Upto 350 LPM
Power Ratings	:	0.37 to 2.2 kW (0.5 to 3 HP)
Voltage Range	:	150 to 240 Volts (Single Phase) 280 to 440 Volts (Three Phase)
Type of Cooling	:	Oil Cooled
Insulation	:	F Class
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

Pump Housing	:	Stainless Steel
Pump Shaft	:	Stainless Steel
Motor Housing	:	Stainless Steel
Motor Shaft	:	Stainless Steel
Motor Bearing	:	Ball Bearing
Pump Bushes	:	NBR
Impeller	:	Noryl
Diffuser	:	Noryl
NRV	:	Cast Iron
Suction	:	Cast Iron

APPLICATIONS

- Domestic and community water supply.
- Water supply for high rise building.
- Gardening and small farm irrigation.
- Construction site.
- Ground water supply to water works.

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KP4 -03 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE - 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	10	20	25	30	35	40	50
		kW	HP			1PH	m^3/h	0	0.6	1.2	1.5	1.8	2.1	2.4	3.0
1	KP4-0307S	0.37	0.5	7	32	4.1	Head in Meters	45	44	43	42	39	35	31	21
2	KP4-0310S	0.55	0.75	10	32	5.0		64	63	61	60	58	50	46	32
3	KP4-0311S	0.75	1.0	11	32	6.7		71	69	68	66	64	55	50	36
4	KP4-0314S	0.75	1.0	14	32	6.7		90	88	86	84	82	70	64	48
5	KP4-0321S	1.1	1.5	21	32	9.5		135	132	129	126	122	105	96	76

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KP4 - 07 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE - 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	40	50	60	70	80	90	100
		kW	HP			1PH	m^3/h	0	1.2	3.0	3.6	4.2	5.0	4.8	6.0
1	KP4-0707S	0.55	0.75	07	32	5.0	Head in Meters	48	42	40	36	31	25	20	9
2	KP4-0708S	0.75	1.00	08	32	6.7		54	48	46	41	35	28	23	10
3	KP4-0709S	0.75	1.00	09	32	6.7		61	55	52	46	39	32	26	11
4	KP4-0713 *S	1.10	1.50	13	32	9.5		87	79	75	67	57	46	37	16

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KP4 - 15 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE - 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	105	120	135	150	165	180	195
		kW	HP			1PH	m^3/h	0	6.3	7.0	8.1	9.0	9.9	10.5	11.7
1	KP4-1509S	1.50	2.00	09	50	12.5	Head in Meters	52	47	43	37	30	21	19	14

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KP4 - 25 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE - 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	100	150	200	250	275	300	350
		kW	HP			1PH	m^3/h	0	6	9	12	15	16.5	18	21
1	KP4-2509S	2.2	3.0	9	50	16	Head in Meters	50	46	41	34	26	23	18	11

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KP4 JALRAAJ SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE - 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	40	50	60	70	80	90	100
		kW	HP			1PH	m^3/h	0.0	2.4	3.0	3.6	4.2	5.0	4.8	6.0
1	KP4 JALRAAJ-1006	0.75	1.00	06	32	6.7	Head in Meters	48	39	35	30	27	21	15	7
2	KP4 JALRAAJ-1008 *S	0.75	1.00	08	32	6.7		54	48	46	41	35	28	23	10
3	KP4 JALRAAJ-1009 *S	0.75	1.00	09	32	6.7		61	55	52	46	39	32	26	11
4	KP4-JALRAAJ-0713	1.10	1.50	13	32	9.5		87	79	75	67	57	46	37	16

Note:

 # - BIS Certification | ✱ - BEE STAR accreditation | S - Single Phase | T - Three Phase

Enriching Lives

KU6

BOREWELL OIL FILLED
SUBMERSIBLE PUMP

KIRLOSKAR PUMPS
KU6
6" BOREWELL OIL FILLED
SUBMERSIBLE PUMP
By KIRLOSKAR BROTHERS LIMITED

KU6

FEATURES

- 4% to 5% higher efficiencies
- Motors with 99.9% EC grade Copper rotors
- Suitable for horizontal applications
- Suitable for low voltage applications
- Wide voltage motor design
- Minimal performance variations even after years of operations
- Single pumps serve wider head applications
- More life and lower maintenance cost
- Motors with "F" class insulation reduces the chances of motor burning
- More durability due to lesser wear & tear, better cooling of motor
- Motors with "S1" duty for continuous operations
- Filled with non-health hazard, non-toxic, edible grade oil.

TECHNICAL SPECIFICATION

Head	:	Upto 325 Metres
Discharge	:	480 LPM
Power ratings	:	2.2 to 15.0 kW (3.0 to 20.0 HP)
Voltage range	:	200 to 440 Volts (Three Phase)*
Insulation	:	F class
Type of cooling	:	Oil Cooled
Protection	:	IP68

(*under ideal condition with suitable cable size)

MATERIAL OF CONSTRUCTION

Motor Housing	:	Stainless Steel
Motor Shaft	:	Stainless Steel
Motor Bearings	:	Ball Bearings
Finish Rotor	:	Copper
Motor Base & Adaptor	:	Cast Iron
Pump Shaft	:	Stainless Steel
Pump Stage Casing	:	C I
Impeller	:	Noryl
Diffuser	:	Noryl
Outlet (NRV)	:	Cast Iron
Suction Housing	:	Cast Iron
Pump / Motor Bushes	:	LTB / NBR

(*under ideal condition with suitable cable size)

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - KU6 60HHN SERIES WITH OIL FILLED MOTORS (KU6) AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE 50 Hz, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	120	150	180	210	240	270	300
		kW	HP			3Ø	m^3/h	0	7.2	9	10.8	12.6	14.4	16.2	18.0
1	KU6 60HHN-0305	2.2	3.0	5	50	6.3	Head in Meters	61	57	55	52	49	44	40	35
2	KU6 60HHN-0407	3.0	4.0	7	50	7.9		85	80	77	73	69	62	56	49
3	KU6 60HHN-0508	3.7	5.0	8	50	9.3		97	91	88	83	78	71	64	56
4	KU6 60HHN-0610	4.5	6.0	10	50	11.8		121	114	110	104	98	89	80	70
5	KU6 60HHN-0812	5.5	7.5	12	50	14.5		146	137	132	125	118	106	96	84
6	KU6 60HHN-1016	7.5	10.0	16	50	18.0		194	182	176	166	157	142	128	112
7	KU6 60HHN-1319	9.3	12.5	19	50	22.5		230	217	209	198	186	168	152	133
8	KU6 60HHN-1524	11.0	15.0	24	50	26.0		291	274	264	250	235	212	192	168
9	KU6 60HHN-1829	13.0	17.5	29	50	32.5		352	331	319	302	284	257	232	203

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - KU6 60HHN SERIES WITH OIL FILLED MOTORS (KU6) AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE 50 Hz, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	60	120	180	240	300	360	420
		kW	HP			3Ø	m^3/h	0	3.6	7.2	11	14.4	18	21.6	25.2
1	KU6 80HHN-0304	2.0	3.0	4	50	6.3	Head in Meters	56	55	52	48	43	38	29	20
2	KU6 80HHN-0405	3.0	4.0	5	50	7.9		70	68	65	60	54	47	36	24
3	KU6 80HHN-0506	4.0	5.0	6	50	9.3		84	82	78	72	65	56	44	29
4	KU6 80HHN-0608	5.0	6.0	8	50	11.8		112	109	103	95	87	75	58	39
5	KU6 80HHN-0810	6.0	8.0	10	50	14.5		140	137	129	119	108	94	73	49
6	KU6 80HHN-1012	8.0	10.0	12	50	18.0		169	164	155	143	130	113	88	59
7	KU6 80HHN-1315	9.0	13.0	15	50	22.5		211	205	194	179	163	141	109	73
8	KU6 80HHN-1518	11.0	15.0	18	50	26.0		253	246	233	215	195	169	131	88
9	KU6 80HHN-1821	13.0	18.0	21	50	32.5		295	287	271	250	228	197	153	102
10	KU6 80HHN-2024	15.0	20.0	24	50	36.5		337	328	310	286	260	225	175	117

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - KU6 100HHN SERIES WITH OIL FILLED MOTOR (KU6) AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE 50 HZ, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	120	180	240	300	360	420	480
		kW	HP			3Ø	m^3/h	0.0	7.2	10.8	14.4	18.0	21.6	25.2	28.8
1	KU6 100HHN-0505	3.7	5.0	5	65	9.3	Head in Meters	72	67	63	58	52	44	35	23
2	KU6 100HHN-0606	4.5	6.0	6	65	11.8		86	80	76	70	62	53	42	28
3	KU6 100HHN-0808	5.5	7.5	8	65	14.5		115	107	101	93	83	70	56	37
4	KU6 100HHN-1010	7.5	10.0	10	65	18.0		144	134	126	116	104	88	70	46
5	KU6 100HHN-1312	9.3	12.5	12	65	22.5		172	161	151	139	125	106	84	55
6	KU6 100HHN-1515	11.0	15.0	15	65	26.0		215	201	189	174	156	132	105	69
7	KU6 100HHN-1818	13.0	17.5	18	65	32.5		258	241	227	209	187	158	126	83
8	KU6 100HHN-2020	15.0	20.0	20	65	36.5		287	268	252	232	208	176	140	92

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - KU6 125HHN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	100	220	280	350	410	470	530
		kW	HP			3Ø	m^3/h	0.0	6.0	13.2	16.8	21.0	24.6	28.2	31.8
1	KU6 125HHN-0403	3.0	4.0	3	65	8.5	Head in Meters	45	44	41	38	34	29	23	16
2	KU6 125HHN-0504	3.7	5.0	4	65	10.0		60	59	55	51	45	39	31	21
3	KU6 125HHN-0605	4.5	6.0	5	65	12.0		75	73	68	63	57	48	38	27
4	KU6 125HHN-0806	5.5	7.5	6	65	14.5		90	88	82	76	68	58	46	32
5	KU6 125HHN-1008	7.5	10.0	8	65	19.5		120	117	109	101	91	77	61	43
6	KU6 125HHN-1310	9.3	12.5	10	65	25.0		150	147	137	127	113	97	77	53
7	KU6 125HHN-1512	11.0	15.0	12	65	29.0		180	176	164	152	136	116	92	64
8	KU6 125HHN-1814	13.0	17.5	14	65	34.0		210	205	191	177	159	135	107	75
9	KU6 125HHN-2016	15.0	20.0	16	65	39.0		240	235	219	203	181	155	123	85

Enriching Lives

SUBMERSIBLE
PRODUCT RANGE

BOREWELL SUBMERSIBLE
3"& 4" WATER FILLED PUMPSET

Enriching Lives

KS3

3" BOREWELL SUBMERSIBLE PUMPS

FEATURES

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

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

High Efficiency And Energy Saving Design
Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

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

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

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

Wide Voltage Motor Designs With 100% Copper Rotor
Motors are designed with extra overload capacities, more water spaces and engineered with 100% pure Electro Grade Copper performs well in low voltage with minimum discharge drops and suitable for wide voltage applications.

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

TECHNICAL SPECIFICATION

Head Range	:	Upto 131 metres
Discharge Range	:	Upto 72 LPM
Power Ratings	:	0.37 to 1.1 kW (0.5 to 1.5 HP)
Voltage Range	:	160 to 240 Volts (Single Phase)
Type of Cooling	:	Water Filled
Protection	:	IP 68
Insulation	:	B Class

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

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

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

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

Enriching Lives

KS4

4" BOREWELL
SUBMERSIBLE PUMPS

FEATURES

Wide Voltage Design
The motor is designed to withstand wide voltage fluctuations they 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 CI parts of Kirloskar pumps coming in contact with the water are CED coated.

TECHNICAL SPECIFICATION

Head Range	:	Upto 520 metres
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 + Stainless Steel
Motor/Pump Bushes	:	Gun Metal
Impeller	:	Noryl
Diffuser	:	Noryl
NRV	:	Cast Iron
Suction	:	Cast Iron

APPLICATIONS

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

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

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

Note:

 # - BIS Certification | ✱ - BEE STAR accreditation | S - Single Phase | T - Three Phase

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - C SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY																
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	15	30	45	53	60	75	90
		kW	HP			1PH	3PH	m^3/h	0	0.9	1.8	2.7	3.2	3.6	4.5	5.4
1	KS4C-0806	0.55	0.75	06	38	6.2	2.8	Head in Meters	49	47	45	40	36	33	25	16
2	KS4C-1009 #S	0.75	1.00	09	38	7.5	3.0		73	70	68	59	54	50	37	23
3	KS4C-1510 #ST	1.10	1.50	10	38	10.5	4.0		81	78	75	66	60	55	41	26
4	KS4C-1512 #T*S	1.10	1.50	12	38	10.5	4.0		97	94	90	79	72	66	49	31
5	KS4C-2014 #S	1.50	2.00	14	38	13.8	4.8		113	109	105	92	84	77	57	36
6	KS4C-2016 #ST	1.50	2.00	16	38	13.8	4.8		130	125	120	106	96	88	66	42
7	KS4C-3020 #T	2.20	3.00	20	38	19.8	6.9		162	156	150	132	120	110	82	52
8	KS4C-3022 #S*T	2.20	3.00	22	38	19.8	6.9		178	172	165	145	132	121	90	57
9	KS4C-4030	3.00	4.00	30	38	23	9.0		243	234	225	198	180	165	123	78
10	KS4C-5035	3.70	5.00	35	38	30	10.6		284	273	263	231	210	193	144	91
11	KS4C-5038	3.70	5.00	38	38	30	10.6		308	296	285	251	228	209	156	99
12	KS4C-6045	4.50	6.00	45	38	NA	12.6		365	351	338	297	270	248	185	117
13	KS4C-8056	5.50	7.50	56	38	NA	15.5		450	430	400	350	320	290	215	138

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - D SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY																
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	30	45	60	69	75	90	105
		kW	HP			1PH	3PH	m^3/h	0	1.8	2.7	3.6	4.1	4.5	5.4	6.3
1	KS4D-1509 #T*S	1.10	1.50	09	38	10.5	4.0	Head in Meters	72	66	58	47	41	34	22	9
2	KS4D-2010 #T	1.50	2.00	10	38	13.8	4.8		80	73	64	52	45	38	24	10
3	KS4D-3015 #T	2.20	3.00	15	38	19.8	6.9		120	110	96	78	68	57	36	15
4	KS4D-3017 *T	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 #ST	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

Note:

 # - BIS Certification | * - BEE STAR accreditation | S - Single Phase | T - Three Phase

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

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

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - G SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	60	90	120	150	170	180	240
		kW	HP			1PH	3PH	m^3/h	0	3.6	5.4	7.2	9.0	10.2	10.8	14.4
1	KS4G-2008 *T	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

Note:

 # - BIS Certification | * - BEE STAR accreditation | S - Single Phase | T - Three Phase

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

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - HF SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY																
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	60	90	120	150	180	210	240
		kW	HP			1PH	3PH	m^3/h	0	3.6	5.4	7.2	9.0	10.8	12.6	14.4
1	KS4HF-2010	1.50	2.00	10	50	13.8	4.8	Head in Meters	64	60	55	50	42	32	24	12
2	KS4HF-3015	2.20	3.00	15	50	19.8	6.9		96	90	83	75	63	48	36	18

Note:

 # - BIS Certification | ✱ - BEE STAR accreditation | S - Single Phase | T - Three Phase

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 (Amp.)		LPM	0	20	40	60	90	120	150	170
		kW	HP			1PH	3PH	m^3/h	0	1.2	2.4	3.6	5.4	7.2	9.0	10.2
1	KS4HF-5025	3.70	5.00	25	50	30.0	10.6	Head in Meters	192	188	178	166	140	105	60	23

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

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

PERFORMANCE CHART OF 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KS4 - 'B' HIGH HEAD SERIES RATED VOLTAGE OF 415 VOLTS - THREE PHASE, FREQUENCY 50 Hz, AC SUPPLY														
S. No.	Model	Power Rating		No of Stages	Outlet Size(mm)	Rated Current (Amp.)	Ipm	0	15	24	30	33	45	60	66
		kW	HP			1PH	m^3/h	0	0.9	1.4	1.6	2.2	2.7	3.6	4.0
1	KS4BN - 6060	4.50	6.00	60	32	12.6	Head in Meters	440	416	372	328	296	200	72	28
2	KS4BN - 8075	5.50	7.50	75	32	15.5		550	520	465	410	370	250	90	35

Note:

 # - BIS Certification | ✱ - BEE STAR accreditation | S - Single Phase | T - Three Phase

Enriching Lives

SUBMERSIBLE
PRODUCT RANGE

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

Enriching Lives

KS6

6" BOREWELL SUBMERSIBLE PUMPS

FEATURES

Wide Voltage Motor Designs with Copper Rotor

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

Sand Fighter Designs

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

Dynamically Balanced Rotating Parts

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

Longer And Trouble Free Life

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

High Efficiency And Energy Saving Design

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

CED – Cathodic Electro Deposition

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

Design To Prevent Overloading

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

Glycol - Mixed Water

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

TECHNICAL SPECIFICATION

Head Range	:	Upto 276 metres
Discharge Range	:	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)*
Insulation	:	B Class
Type of Cooling	:	Water Filled
Protection	:	IP 68

*Under ideal condition with suitable cable size.

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

Enriching Lives

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - KS6B SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	60	120	160	180	240	270	300
		kW	HP			3PH	m^3/h	0.0	3.6	7.2	9.6	10.8	14.4	16.2	18.0
1	KS6B-0305 *T	2.2	3.0	5	50	6.5	Head in Meters	48	46	44	41	38	26	20	7
2	KS6B-0306 *T	2.2	3.0	6	50	6.5		57	55	53	49	45	31	24	8
3	KS6B-0508 #T	3.7	5.0	8	50	10.0		76	74	70	66	60	42	32	11
4	KS6B-0509 #T	3.7	5.0	9	50	10.0		86	83	79	74	68	47	36	12
5	KS6B-0510 *T	3.7	5.0	10	50	10.0		95	92	88	82	75	52	40	13
6	KS6B-0511 #T	3.7	5.0	11	50	10.0		105	101	97	90	83	57	44	15
7	KS6B-0612 *T	4.5	6.0	12	50	12.0		114	110	106	98	90	62	48	16
8	KS6B-0813 *T	5.5	7.5	13	50	14.5		124	120	114	107	98	68	52	17
9	KS6B-0814 *T	5.5	7.5	14	50	14.5		133	129	123	115	105	73	56	19
10	KS6B-0815 *T	5.5	7.5	15	50	14.5		143	138	132	123	113	78	60	20
11	KS6B-1016 *T	7.5	10.0	16	50	19.5		153	147	141	131	120	83	64	21
12	KS6B-1020 *T	7.5	10.0	20	50	19.5		191	184	176	164	150	104	80	27
13	KS6B-1324 *T	9.3	12.5	24	50	25.0		229	221	211	197	180	125	96	32
14	KS6B-1530 #T	11.0	15.0	30	50	29.0		286	276	264	246	225	156	120	40

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			3PH	m^3/h	0.0	3.6	7.2	10.8	14.4	18.0	21.6	25.2
1	KS6C'-0303 *T	2.2	3.0	3	50	6.5	Head in Meters	34	33	32	30	27	21	17	8
2	KS6C'-0405 *T	3.0	4.0	5	50	8.5		57	55	53	50	44	35	28	14
3	KS6C'-0506 *T	3.7	5.0	6	50	10.0		68	66	63	60	53	42	33	17
4	KS6C'-0607 #T	4.5	6.0	7	50	12.0		79	77	74	70	62	49	39	19
5	KS6C'-0808 *T	5.5	7.5	8	50	14.5		91	88	84	80	71	56	44	22
6	KS6C'-0809 *T	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 *T	7.5	10.0	11	50	19.5		125	122	116	110	98	76	61	31
9	KS6C'-1012 *T	7.5	10.0	12	50	19.5		136	133	127	120	107	83	67	33
10	KS6C'-1313 #T	9.3	12.5	13	50	25.0		147	144	137	130	116	90	72	36
11	KS6C'-1315 *T	9.3	12.5	15	50	25.0		170	166	158	150	133	104	83	42
12	KS6C'-1516 #T	11.0	15.0	16	50	29.0		181	177	169	160	142	111	89	44
13	KS6C'-1518 *T	11.0	15.0	18	50	29.0		204	199	190	180	160	125	100	50
14	KS6C'-1820 #T	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

Note:

 # - BIS Certification | * - BEE STAR accreditation | S - Single Phase | T - Three Phase

Enriching Lives

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS (RADIAL FLOW) KS6C SERIES AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	100	200	250	300	350	400	450
		kW	HP			3Ø	m^3/h	0.0	6	12	15	18	21	24	27
1	KS6C-0505 *T	3.7	5.0	5	50	10.0	Head in Meters	60	59	53	50	45	40	34	26
2	KS6C-0606 #T	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-0810	5.5	7.5	10	50	14.5		119	117	105	99	90	79	67	52
6	KS6C-1009	7.5	10.0	9	50	19.5		107	105	95	89	81	71	60	47
7	KS6C-1010 *T	7.5	10.0	10	50	19.5		119	117	105	99	90	79	67	52
8	KS6C-1311	9.3	12.5	11	50	25.0		131	129	116	109	99	87	74	57
9	KS6C-1312 *T	9.3	12.5	12	50	25.0		143	140	126	119	108	95	80	62
10	KS6C-1515 *T	11.0	15.0	15	50	29.0		179	176	158	149	135	119	101	78
11	KS6C-1817	13.0	17.5	17	50	34.0		202	199	179	168	153	134	114	88
12	KS6C-2018	15.0	20.0	18	50	39.0		214	211	189	178	162	142	121	94
13	KS6C-2020 *T	15.0	20.0	20	50	39.0		238	234	210	198	180	158	134	104

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) - 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			3PH	m^3/h	0.0	12.0	18.0	21.0	24.0	27.0	30.0	36.0
1	KS6DN-0504 #T	3.7	5.0	4	65	10	Head in Meters	51	48	45	43	39	36	31	19
2	KS6DN-0505	3.7	5.0	5	65	10		64	59	56	53	49	45	39	23
3	KS6DN-0806 #T	5.5	7.5	6	65	14.5		77	71	68	64	59	54	47	28
4	KS6DN-1008 #T	7.5	10.0	8	65	19.5		103	95	90	85	79	72	63	38
5	KS6DN-1310 #T	9.3	12.5	10	65	25		128	119	113	106	98	89	78	47
6	KS6DN-1512 #T	11.0	15.0	12	65	29		154	143	135	128	118	107	94	56
7	KS6DN-1814 #T	13.0	17.5	14	65	34		180	166	158	149	137	125	109	66
8	KS6DN-2016	15.0	20.0	16	65	39		206	190	180	170	157	143	125	75

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS (MOX FLOW) - 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			3PH	m^3/h	0.0	14.4	21.6	28.8	36.0	43.2	50.4	54.0
1	KS6EA-0808	5.5	7.5	8	80	14.5	Head in Meters	66	58	51	43	33	23	12	7
2	KS6EA-1010	7.5	10.0	10	80	19.5		83	72	64	54	41	29	15	9
3	KS6EA-1312	9.3	12.5	12	80	25		100	86	77	65	49	35	18	11
4	KS6EA-1515	11.0	15.0	15	80	29		125	108	96	81	62	44	23	13
5	KS6EA-1817	13.0	17.5	17	80	34		141	122	109	92	70	49	26	15
6	KS6EA-2020	15.0	20.0	20	80	39		166	144	128	108	82	58	30	18

Note:

 # - BIS Certification | ★ - BEE STAR accreditation | S - Single Phase | T - Three Phase

MIX FLOW PUMPS

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) - 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			3PH	m^3/h	0.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0
1	KS6F-0503	3.7	5.0	3	80	10	Head in Meters	39	29	26	23	21	18	15	10
2	KS6F-0604	4.5	6.0	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 #T	7.5	10.0	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	15.0	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	20.0	13	80	39		167	126	113	100	87	76	63	43

MIX FLOW PUMPS

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) - 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			3PH	m^3/h	0.0	8.4	14.4	28.8	43.2	50.4	57.6	72.0
1	KS6G-0502R	3.7	5.0	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 (MIX FLOW) - 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			3PH	m^3/h	0.0	20.4	32.4	44.4	56.4	68.4	80.4	92.4
1	KS6J-0803	5.5	7.5	3	100	14.5	Head in Meters	36	34	31	28	24	20	16	11
2	KS6J-1004	7.5	10.0	4	100	19.5		48	45	41	37	32	27	21	14
3	KS6J-1305	9.3	12.5	5	100	25.0		61	56	52	47	40	34	27	18
4	KS6J-1506	11.0	15.0	6	100	29.0		73	67	62	56	48	40	32	21
5	KS6J-1807	13.0	17.5	7	100	34.0		85	78	72	65	56	47	37	25
6	KS6J-2008	15.0	20.0	8	100	39.0		97	90	82	74	64	54	42	28
7	KS6J-2510	18.5	25.0	10	100	48.0		121	112	103	93	80	67	53	35

Note:

 # - BIS Certification | ★ - BEE STAR accreditation | S - Single Phase | T - Three Phase

Enriching Lives

KS7

7" BOREWELL SUBMERSIBLE PUMPS

FEATURES

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

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

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

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

High Efficiency And Energy Saving Design
Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

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

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

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

Impeller	:	Stainless Steel
Bowl / Stage Casing	:	Cast Iron
Pump Shaft	:	Stainless Steel
Motor Body	:	Stainless Steel
Motor Shaft	:	Stainless Steel
Finished Rotor	:	Copper
NRV	:	Cast Iron
Suction	:	Cast Iron
Pump / Motor Bushes	:	LTB
Thrust Bearing	:	Carbon + SS

APPLICATIONS

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

PERFORMANCE CHART FOR 175 MM (7") BOREWELL SUBMERSIBLE PUMPSETS - KS7P-'A' SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY

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

PERFORMANCE CHART FOR 175 MM (7") BOREWELL SUBMERSIBLE PUMPSETS - KS7P-'B' SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	800	900	1000	1200	1400	1500	1600	1700
		kW	HP			3PH	m^3/h	0	48	54	60	72	84	90	96	102
1	KS7P-1003	7.5	10.0	3	100	19.5	HEAD IN METERS	45	32	31	29	26	20	17	14	11
2	KS7P-1304	9.3	12.5	4	100	25.0		60	43	41	39	34	27	23	19	14
3	KS7P-1505	11.0	15.0	5	100	29.0		75	54	51	49	43	34	29	24	18
4	KS7P-1806	13.0	17.5	6	100	34.0		89	65	62	59	51	41	35	29	21
5	KS7P-2007	15.0	20.0	7	100	39.0		104	75	72	68	60	47	40	33	25

PERFORMANCE CHART FOR 175 MM (7") BOREWELL SUBMERSIBLE PUMPSETS - KS7P-'C' SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	600	800	1000	1200	1400	1600	1800	1850
		kW	HP			3PH	m^3/h	0	36	48	60	72	84	96	108	111
1	KS7P-0802	5.5	7.5	2	100	14.5	HEAD IN METERS	33	27	25	23	21	18	14	9	7
2	KS7P-1303	9.3	12.5	3	100	25.0		49	41	38	34	31	26	21	13	11
3	KS7P-1504	11.0	15.0	4	100	29.0		66	54	50	46	42	35	28	18	14
4	KS7P-2005	15.0	20.0	5	100	39.0		82	68	63	57	52	44	34	22	18
5	KS7P-2506	18.5	25.0	6	100	48.0		99	81	75	68	62	53	41	26	21

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

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

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

Enriching Lives

KS8

8" BOREWELL
SUBMERSIBLE PUMPS

Water Filled

FEATURES

Wide Voltage Motor Designs With Copper Rotor

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

Sand Fighter Designs

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

Dynamically Balanced Rotating Parts

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

Longer And Trouble Free Life

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

High Efficiency And Energy Saving Design

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

CED – Cathodic Electro Deposition

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

Design to Prevent Overloading

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

Glycol-mixed Water

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

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

PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (RADIAL FLOW) KS8E AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	240	360	480	650	720	840	960
		kW	HP				m^3/h	0	14.4	21.6	28.8	39.0	43.2	50.4	57.6
1	KS8E-1003	7.5	10.0	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 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8F AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY														
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	700	900	1100	1300	1500	1700	1900
		kW	HP				m^3/h	0.0	42.0	54.0	66.0	78.0	90.0	102.0	114.0
1	KS8F-2004	15.0	20.0	4	100	39.0	Head in Meters	75	63	59	54	48	40	31	19
2	KS8F-2505	18.5	25.0	5	100	48.0		94	79	74	68	60	50	38	24
3	KS8F-3006	22.0	30.0	6	100	57.0		113	95	89	82	72	60	46	29
4	KS8F-3507	26.0	35.0	7	100	66.0		132	111	104	95	83	70	54	33
5	KS8F-4008	30.0	40.0	8	100	76.0		151	127	119	109	95	80	61	38
6	KS8F-4509	33.0	45.0	9	100	82.0		170	143	134	122	107	90	69	43
7	KS8F-5010	37.0	50.0	10	100	85.0		189	158	148	136	119	100	77	48
8	KS8F-6012	45.0	60.0	12	100	100.0		226	190	178	163	143	120	92	57

PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8G AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY														
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	500	800	1000	1200	1400	1500	1600
		kW	HP				m^3/h	0.0	30.0	48.0	60.0	72.0	84.0	90.0	96.0
1	KS8G-0802	5.5	7.5	2	100	14.5	Head in Meters	38	33	29	26	23	18	15	13
2	KS8G-1303	9.3	12.5	3	100	25.0		58	49	43	39	35	27	23	19
3	KS8G-1804	13.0	17.5	4	100	34.0		77	66	58	52	46	36	31	25
4	KS8G-2005	15.0	20.0	5	100	39.0		96	82	72	65	58	45	38	32
5	KS8G-2506	18.5	25.0	6	100	48.0		115	99	87	78	69	54	46	38
6	KS8G-3007	22.0	30.0	7	100	57.0		135	115	101	91	81	63	54	44
7	KS8G-3508	26.0	35.0	8	100	66.0		154	132	116	104	92	72	61	51
8	KS8G-4009	30.0	40.0	9	100	76.0		173	148	130	117	104	81	69	57
9	KS8G-4510	33.0	45.0	10	100	82.0		192	164	144	130	116	90	77	63
10	KS8G-5012	37.0	50.0	12	100	85.0		231	197	173	156	139	108	92	76

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

PERFORMANCE CHART FOR 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8B - 'A' AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	800	1100	1400	1700	2000	2300	2700
		kW	HP				m^3/h	0.0	48.0	66.0	84.0	102.0	120.0	138.0	162.0
1	KS8B-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 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8B - 'B' AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	900	1200	1500	1800	2100	2400	2700
		kW	HP				m^3/h	0.0	54.0	72.0	90.0	108.0	126.0	144.0	162.0
1	KS8B-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	30.0	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 200 MM (8") BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8B - 'C' AT RATED VOLTAGE 415 VOLTS, THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY														
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	1300	1500	1700	1900	2100	2300	2400
		kW	HP				m^3/h	0.0	78.0	90.0	102.0	114.0	126.0	138.0	144.0
1	KS8B-2002	15.0	20.0	2	125	39.0	Head in Meters	43	30	29	27	24	22	18	16
2	KS8B-2503	18.5	25.0	3	125	48.0		65	45	44	41	36	33	27	24
3	KS8B-4004	30.0	40.0	4	125	76.0		86	60	58	54	48	44	36	32
4	KS8B-5005	37.0	50.0	5	125	85.0		108	75	73	68	60	55	45	40
5	KS8B-6006	45.0	60.0	6	125	100.0		129	90	87	81	72	66	54	48

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

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

Enriching Lives

KS9

9" BOREWELL
SUBMERSIBLE PUMPS

FEATURES

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

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

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

High Efficiency And Energy Saving Design
Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

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

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

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

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

TECHNICAL SPECIFICATION

Head Range	:	Upto 114 meters
Discharge Range	:	Upto 3150 LPM
Power Ratings	:	15 to 45 kW (20 to 60 HP)
Voltage Range	:	350 to 440 Volts (Three Phase)
Type of Cooling	:	Water Filled
Insulation	:	B Class
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

Impeller	:	Stainless Steel
Bowl/Stage casing	:	Cast Iron
Pump Shaft	:	Stainless Steel
Motor Body	:	Stainless Steel
Motor Shaft	:	Stainless Steel
Finished Rotor	:	Copper
NRV	:	Cast Iron
Suction	:	Cast Iron
Pump / Motor Bushes	:	LTB
Thrust Bearing	:	Carbon + SS

APPLICATIONS

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

PERFORMANCE CHART FOR 225 MM (9") BOREWELL SUBMERSIBLE PUMPSETS - KS9A SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY														
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	1300	1600	1900	2200	2500	2800	3150
		kW	HP			3PH	m^3/h	0	78	96	114	132	150	168	189
1	KS9A-2502	15.0	25.0	2	125	39.0	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 225 MM (9") BOREWELL SUBMERSIBLE PUMPSETS - KS9C SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY														
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	1800	2000	2200	2400	2600	2800	3000
		kW	HP			3PH	m^3/h	0	108	120	132	144	156	168	180
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

Enriching Lives

HHN/HHF

6" HIGH HEAD SUBMERSIBLE PUMPS

FEATURES

Wide Voltage Motor Designs With Copper Rotor

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

Sand Fighter Designs

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

Dynamically Balanced Rotating Parts

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

Longer And Trouble Free Life

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

High Head Applications

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

CED – Cathodic Electro Deposition

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

Design To Prevent Overloading

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

Glycol - Mixed Water

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

TECHNICAL SPECIFICATION

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

*Under ideal condition with suitable cable size.

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 60HHN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	120	150	180	210	240	270	300
		kW	HP			3Ø	m^3/h	0.0	7.2	9.0	10.8	12.6	14.4	16.2	18.0
1	60HHN-0305 #T	2.2	3.0	5	50	6.5	Head in Meters	61	57	55	52	49	44	40	35
2	60HHN-0407 #T	3.0	4.0	7	50	8.5		85	80	77	73	69	62	56	49
3	60HHN-0508 #T	3.7	5.0	8	50	10.0		97	91	88	83	78	71	64	56
4	60HHN-0610 *T	4.5	6.0	10	50	12.0		121	114	110	104	98	89	80	70
5	60HHN-0812 *T	5.5	7.5	12	50	14.5		146	137	132	125	118	106	96	84
6	60HHN-1016 *T	7.5	10.0	16	50	19.5		194	182	176	166	157	142	128	112
7	60HHN-1319 *T	9.3	12.5	19	50	25.0		230	217	209	198	186	168	152	133
8	60HHN-1524 #T	11.0	15.0	24	50	29.0		291	274	264	250	235	212	192	168
9	60HHN-1829 *T	13..0	17.5	29	50	34.0		352	331	319	302	284	257	232	203

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 80HHN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	60	120	180	240	300	360	420
		kW	HP			3Ø	m^3/h	0	3.6	7.2	11.5	14.4	18	21.6	25.2
1	80HHN-0304	2.2	3.0	4	50	6.5	Head in Meters	56	55	52	48	43	38	29	20
2	80HHN-0405 *T	3.0	4.0	5	50	8.5		70	68	65	60	54	47	36	24
3	80HHN-0506 *T	3.7	5.0	6	50	10.0		84	82	78	72	65	56	44	29
4	80HHN-0608	4.5	6.0	8	50	12.0		112	109	103	95	87	75	58	39
5	80HHN-0810 *T	5.5	7.5	10	50	14.5		140	137	129	119	108	94	73	49
6	80HHN-1012 *T	7.5	10.0	12	50	19.5		169	164	155	143	130	113	88	59
7	80HHN-1315 *T	9.3	12.5	15	50	25.0		211	205	194	179	163	141	109	73
8	80HHN-1518 *T	11.0	15.0	18	50	29.0		253	246	233	215	195	169	131	88
9	80HHN-1821 #T	13.0	17.5	21	50	34.0		295	287	271	250	228	197	153	102
10	80HHN-2024 *T	15.0	20.0	24	50	39.0		337	328	310	286	260	225	175	117

Note:

 # - BIS Certification | * - BEE STAR accreditation | S - Single Phase | T - Three Phase

Enriching Lives

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 100HHN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	120	180	240	300	360	420	480
		kW	HP			3Ø	m^3/h	0.0	7.2	10.8	14.4	18.0	21.6	25.2	28.8
1	100HHN-0505 *T	3.7	5.0	5	65	10.0	Head in Meters	72	67	63	58	52	44	35	23
2	100HHN-0606 #T	4.5	6.0	6	65	12.0		86	80	76	70	62	53	42	28
3	100HHN-0808 *T	5.5	7.5	8	65	14.5		115	107	101	93	83	70	56	37
4	100HHN-1010 *T	7.5	10.0	10	65	19.5		144	134	126	116	104	88	70	46
5	100HHN-1312 *T	9.3	12.5	12	65	25.0		172	161	151	139	125	106	84	55
6	100HHN-1515 *T	11.0	15.0	15	65	29.0		215	201	189	174	156	132	105	69
7	100HHN-1818 *T	13.0	17.5	18	65	34.0		258	241	227	209	187	158	126	83
8	100HHN-2020 *T	15.0	20.0	20	65	39.0		287	268	252	232	208	176	140	92
9	100HHN-2525	18.3	25.0	25	65	48.0		359	335	315	290	260	220	175	115

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 125HHN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	100	220	280	350	410	470	530
		kW	HP			3Ø	m^3/h	0.0	6.0	13.2	16.8	21.0	24.6	28.2	31.8
1	125HHN-0403	3.0	4.0	3	65	8.5	Head in Meters	45	44	41	38	34	29	23	16
2	125HHN-0504	3.7	5.0	4	65	10.0		60	59	55	51	45	39	31	21
3	125HHN-0605	4.5	6.0	5	65	12.0		75	73	68	63	57	48	38	27
4	125HHN-0806	5.5	7.5	6	65	14.5		90	88	82	76	68	58	46	32
5	125HHN-1008	7.5	10.0	8	65	19.5		120	117	109	101	91	77	61	43
6	125HHN-1310	9.3	12.5	10	65	25.0		150	147	137	127	113	97	77	53
7	125HHN-1512	11.0	15.0	12	65	29.0		180	176	164	152	136	116	92	64
8	125HHN-1814	13.0	17.5	14	65	34.0		210	205	191	177	159	135	107	75
9	125HHN-2016	15.0	20.0	16	65	39.0		240	235	219	203	181	155	123	85

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 50HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	90	105	120	135	150	165	195
		kW	HP			3Ø	m^3/h	0.0	5.4	6.3	7.2	8.1	9.0	9.9	11.7
1	50HHF-0306 *T	2.2	3.0	6	50	6.5	Head in Meters	88	79	77	72	66	60	53	32
2	50HHF-0408	3.0	4.0	8	50	8.5		117	106	102	96	88	80	70	43
3	50HHF-0510 *T	3.7	5.0	10	50	10.0		146	132	128	120	110	100	88	54
4	50HHF-0612	4.5	6.0	12	50	12.0		175	158	154	144	132	120	106	65
5	50HHF-0815	5.5	7.5	15	50	14.5		219	198	192	180	165	150	132	81
6	50HHF-1020	7.5	10.0	20	50	19.5		292	264	256	240	220	200	176	108
7	50HHF-1325	9.3	12.5	25	50	25.0		365	330	320	300	275	250	220	135

Note:

 # - BIS Certification | * - BEE STAR accreditation | S - Single Phase | T - Three Phase

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 60HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	100	120	140	160	180	200	220
		kW	HP				m^3/h	0.0	6.0	7.2	8.4	9.6	10.8	12.0	13.2
1	60HHF-0304	2.2	3.0	4	50	6.5	Head in Meters	64	59	56	53	48	42	34	24
2	60HHF-0305	2.2	3.0	5	50	6.5		79	74	70	66	61	53	42	29
3	60HHF-0407	3.0	4.0	7	50	8.5		111	103	98	92	85	74	59	41
4	60HHF-0508 *T	3.7	5.0	8	50	10.0		127	118	112	105	97	84	67	47
5	60HHF-0609	4.5	6.0	9	50	12.0		143	133	126	118	109	95	76	53
6	60HHF-0610	4.5	6.0	10	50	12.0		159	147	139	132	121	105	84	59
7	60HHF-0811 *T	5.5	7.5	11	50	14.5		175	162	153	145	133	116	93	65
8	60HHF-0812 *T	5.5	7.5	12	50	14.5		191	177	167	158	145	126	101	71
9	60HHF-1013 *T	7.5	10.0	13	50	19.5		207	192	181	171	157	137	109	77
10	60HHF-1014 *T	7.5	10.0	14	50	19.5		223	206	195	184	169	147	118	83
11	60HHF-1016 *T	7.5	10.0	16	50	19.5		254	236	223	211	194	168	135	94
12	60HHF-1319	9.3	12.5	19	50	25.0		302	280	265	250	230	200	160	112
13	60HHF-1524	11.0	15.0	24	50	29.0		381	354	335	316	291	253	202	141
14	60HHF-1829	13.0	17.5	29	50	34.0		461	427	404	382	351	305	244	171

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

Note:

 # - BIS Certification | * - BEE STAR accreditation | S - Single Phase | T - Three Phase

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 100HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	100	150	200	250	300	350	425
		kW	HP				m^3/h	0.0	6.0	9.0	12.0	15.0	18.0	21.0	25.5
1	100HHF-0303 #T	2.2	3.0	3	50	6.5	Head in Meters	50	48	45	43	38	31	20	8
2	100HHF-0404 *T	3.0	4.0	4	50	8.5		66	63	60	57	51	42	27	11
3	100HHF-0505 *T	3.7	5.0	5	50	10.0		83	79	75	71	63	52	33	13
4	100HHF-0606	4.5	6.0	6	50	12.0		100	95	90	85	76	63	40	16
5	100HHF-0808 *T	5.5	7.5	8	50	14.5		133	127	120	113	101	83	53	21
6	100HHF-1010 *T	7.5	10.0	10	50	19.5		166	158	150	142	127	104	67	27
7	100HHF-1312	9.3	12.5	12	50	25.0		199	190	180	170	152	125	80	32
8	100HHF-1515	11.0	15.0	15	50	29.0		249	238	225	213	190	156	100	40
9	100HHF-1818	13.0	17.5	18	50	34.0		299	285	270	255	228	188	120	48
10	100HHF-2020	15.0	20.0	20	50	39.0		332	317	300	283	253	208	133	53

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 125HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	80	160	240	320	400	480	520
		kW	HP				m^3/h	0.0	4.8	9.6	14.4	19.2	24.0	28.8	31.2
1	125HHF-0403	3.0	4.0	3	65	8.5	Head in Meters	48	48	47	42	34	24	12	4
2	125HHF-0504 *T	3.7	5.0	4	65	10.0		64	64	62	55	45	32	16	5
3	125HHF-0605 *T	4.5	6.0	5	65	12.0		81	80	78	69	57	40	20	6
4	125HHF-0806 *T	5.5	7.5	6	65	14.5		97	96	93	83	68	48	24	8
5	125HHF-1008	7.5	10.0	8	65	19.5		129	127	124	111	91	64	31	10
6	125HHF-1310	9.3	12.5	10	65	25.0		161	159	155	138	113	80	39	13
7	125HHF-1512	11.0	15.0	12	65	29.0		193	191	186	166	136	96	47	15
8	125HHF-1814	13.0	17.5	14	65	34.0		225	223	217	194	159	112	55	18
9	125HHF-2016	15.0	20.0	16	65	39.0		258	255	248	221	181	128	63	20

Note:

 # - BIS Certification | * - BEE STAR accreditation | S - Single Phase | T - Three Phase

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 150HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	180	240	300	360	420	480	540
		kW	HP				m^3/h	0.0	10.8	14.4	18.0	21.6	25.2	28.8	32.4
1	150HHF-0503 *T	3.7	5.0	3	65	10.0	Head in Meters	48	45	43	41	37	30	21	9
2	150HHF-0604	4.5	6.0	4	65	12.0		64	60	58	55	50	40	29	13
3	150HHF-0805 *T	5.5	8.0	5	65	14.5		80	75	72	68	62	49	36	16
4	150HHF-1007 *T	7.5	10.0	7	65	19.5		112	105	101	95	87	69	50	22
5	150HHF-1308	9.3	12.5	8	65	25.0		128	120	115	109	99	79	57	25
6	150HHF-1510	11.0	15.0	10	65	29.0		160	150	144	136	124	99	71	31
7	150HHF-1812	13.0	17.5	12	65	34.0		192	180	173	164	149	119	86	38
8	150HHF-2013	15.0	20.0	13	65	39.0		208	195	187	177	161	128	93	41
9	150HHF-2014	15.0	20.0	14	65	39.0		224	210	201	191	173	138	100	44

PERFORMANCE CHART FOR 150 MM (6") BOREWELL SUBMERSIBLE PUMPSETS - 200HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	100	200	300	400	500	600	650
		kW	HP				m^3/h	0.0	6.0	12.0	18.0	24.0	30.0	36.0	39.0
1	200HFF-0402	3.0	4.0	2	65	8.5	Head in Meters	30	30	30	28	24	18	8	3
2	200HHF-0603	4.5	6.0	3	65	12.0		45	45	45	43	37	27	12	4
3	200HHF-0804 *T	5.5	7.5	4	65	14.5		60	60	60	57	49	36	16	6
4	200HHF-1005 *T	7.5	10.0	5	65	19.5		76	75	75	71	61	46	21	7
5	200HHF-1306	9.3	12.5	6	65	25.0		91	90	89	85	73	55	25	8
6	200HHF-1508	11.0	15.0	8	65	29.0		121	120	119	114	98	73	33	11
7	200HHF-1809	13.0	17.5	9	65	34.0		136	135	134	128	110	82	37	13
8	200HHF-2010	15.0	20.0	10	65	39.0		151	150	149	142	122	91	41	14

Note:

 # - BIS Certification | * - BEE STAR accreditation | S - Single Phase | T - Three Phase

Enriching Lives

SUBMERSIBLE
PRODUCT RANGE

OPENWELL SUBMERSIBLE PUMPSET

Enriching Lives

JOS

HORIZONTAL OPENWELL PUMPS

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 high grade materials to perform 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 metres
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														
								10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
		kW	HP	SUC.	DEL			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.

Enriching Lives

JVS

VERTICAL
OPENWELL PUMPS

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 high grade materials to perform 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	:	Upto 147 metres
Capacity	:	Upto 840 LPM / 50 m^3/hr
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

		JVS	JVSN
Impeller	:	Stainless Steel	Cast Iron
Outlet (NRV Body)	:	Cast Iron	Cast Iron
Motor Body	:	Mild Steel	Cast Iron
Pump Shaft	:	Stainless Steel	Stainless Steel

APPLICATIONS

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

PERFORMANCE CHART FOR 'JVS' SERIES, 2 POLE, MULTISTAGE VERTICAL OPENWELL SUBMERSIBLE PUMPS, AT RATED VOLTAGE OF 415 VOLTS, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY														
Sr. No.	PUMP MODEL	MOTOR RATING		NO. OF STAGES	OUTLET SIZE (mm)	FULL LOAD CURRENT (Amps)	LPM	120	240	360	480	600	720	840
		kW	HP				m^3/hr	7	14	22	29	36	43	50
1	JVSA 0502	3.7	5	2	80	10	HEAD IN METERS	37	35	34	31	25	16	7
2	JVSA 0803	5.5	7.5	3	80	14.5		55	53	51	46	37	24	10
3	JVSA 1004	7.5	10	4	80	19.5		73	71	68	61	49	32	13
4	JVSA 1305	9.3	12.5	5	80	25		92	88	85	77	62	40	17
5	JVSA 1506	11	15	6	80	29		110	106	102	92	74	48	20
6	JVSA 2008	15	20	8	80	39		147	141	136	123	99	64	27
							LPM	120	180	240	300	360	420	480
							m^3/hr	7	11	14	18	22	25	29
7	JVSC 0302	2. 2	3	2	80	6.5	HEAD IN METERS	35	34	32	29	25	20	14
8	JVSC 0503	3.7	5	3	80	10		53	51	48	44	38	30	21
9	JVSC 0805	5.5	7.5	5	80	14.5		88	85	80	73	63	50	35
10	JVSB 1007	7.5	10	7	80	19.5		119	115	109	98	84	65	42
							LPM	120	240	360	420	480	600	720
							m^3/hr	7	14	22	25	29	36	43
11	JVSD 0804	5.5	7.5	4	80	14.5	HEAD IN METERS	77	73	65	60	54	39	20
12	JVSD 1005	7.5	10	5	80	19.5		96	91	81	75	68	49	25
13	JVSD 1306	9.3	12.5	6	80	25		116	109	98	90	81	59	30
14	JVSD 1507	11	15	7	80	29		135	127	114	105	95	68	35

Sr. No.	PUMP MODEL	MOTOR RATING		NO. OF STAGES	OUTLET IN mm	FULL LOAD CURRENT (Amps)	LPM	180	300	420	540	660	780	840
		kW	HP				m^3/hr	11	18	25	32	40	47	50
1	JVSA-0502N	3.7	5	2	65	10	HEAD IN METERS	45	43	40.5	36	30	23	18.5
2	JVSA-0803N	5.5	7.5	3	65	14.5		65.5	61.5	57	51.25	41.5	31	24.5

Note:

1. Performance applicable to liquid of specific gravity 1 and viscosity as of water.
2. Vertical Openwell Submersible(JVS) Pump at 50 Hz frequency and 415 rated Voltage.

Enriching Lives

OTHER
PRODUCT RANGE

END-SUCTION PUMPS

Enriching Lives

NW/NWD

END-SUCTION PUMPS

NW

NWD

FEATURES

Flatter Efficiency Curve
Minimum variations in efficiency during the entire operating range increases the utility of pump set for variable conditions.

Automatic Air Release
Eliminates the necessity of operating air release cock and ensures swifter and smoother operations.

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.

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

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

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.

Highly Efficient & Flexible Design
Designed to run directly through pulley with engine / motor.

TECHNICAL SPECIFICATION

		Engine Coupled	Motor Coupled
Head Range	:	Upto 44 meters	Upto 32 meters
Discharge Range	:	Upto 96.5 lps	Upto 87 lps
Power Rating	:	3.7 to 18.7 kW (5 to 25 HP)	2.2 to 11 kW (3 to 15 HP)

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Delivery casing	:	Cast Iron
Pump shaft	:	Carbon Steel

APPLICATIONS

- Irrigation in (horticulture & agriculture)
- Rural water supply
- Mounting on water tanker

PERFORMANCE CHART FOR NW / NW+ / NWD ENGINE COUPLED END SUCTION PUMPS AT RATED SPEED

Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METRES																							
								5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
		kW	HP	SUC.	DEL			DISCHARGE IN LITRES PER SECOND																							
1	NW1+ / NW1D	4.3	5.7	65	50	1800	207	-	-	-	-	-	-	-	-	-	-	-	-	16.7	16.0	15.0	13.7	12.4	-	-	-	-	-	-
2	NW1+ / NW1D	6	8	65	50	1800	223	-	-	-	-	-	-	-	-	-	-	-	-	-	19.8	18.5	18.0	17.3	16.4	15.2	14.1	12.6	-	-
3	NW2+ / NW2D	3.7	5	80	65	1500	223	-	-	-	-	-	-	-	22.0	20.8	19.3	17.9	16.0	14.0	-	-	-	-	-	-	-	-	-	-
4	NW2M+ / NW2DM+	3.7	5	80	80	1500	223	-	-	-	-	-	-	-	22.0	20.8	19.3	17.9	16.0	14.0	-	-	-	-	-	-	-	-	-	-
5	NW2+ / NW2D	5.2	7	80	65	1800	203	-	-	-	-	-	-	-	-	-	24.0	23.1	21.8	20.6	19.5	18.0	16.0	14.0	-	-	-	-	-	-
6	NW2M+ / NW2DM+	5.2	7	80	80	1800	203	-	-	-	-	-	-	-	-	-	24.0	22.8	21.8	20.7	19.5	18.0	16.0	14.0	-	-	-	-	-	-
7	NW2+ / NW2D	6	8	80	65	1800	212	-	-	-	-	-	-	-	-	-	-	-	24.7	23.5	22.3	21.0	19.5	18.0	16.3	-	-	-	-	-
8	NW2M+ / NW2DM+	6	8	80	80	1800	212	-	-	-	-	-	-	-	-	-	-	-	24.7	23.5	22.3	21.0	19.5	18.0	16.3	-	-	-	-	-
9	NW2+ / NW2D	6.5	8.7	80	65	2000	196	-	-	-	-	-	-	-	-	-	-	-	-	25.0	24.0	22.7	21.4	20.0	18.7	17.1	-	-	-	-
10	NW2M+ / NW2DM+	6.5	8.7	80	80	2000	196	-	-	-	-	-	-	-	-	-	-	-	-	25.0	24.0	22.7	21.4	20.0	18.7	17.1	-	-	-	-
11	NW3+ / NW3+D	3.7	5	65	50	1500	239	-	-	-	-	-	-	-	-	-	-	-	14.3	13.5	12.7	11.7	10.7	9.5	-	-	-	-	-	-
12	NW4+ / NW4D	3.7	5	100	100	1500	197	-	34.0	32.5	30.7	29.0	26.5	23.7	20.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	NW4+ / NW4D	4.3	5.7	100	100	1800	167	-	35.0	33.5	32.0	30.0	28.0	25.0	21.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	NW4+ / NW4D	4.5	6	100	100	1500	201	-	35.5	34.4	33.0	31.0	29.0	26.2	22.7	17.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	NW4+ / NW4D	5.2	7	100	100	1500	206	-	-	36.0	34.5	33.0	31.1	29.0	26.7	23.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	NW4+ / NW4D	5.2	7	100	100	1800	184	-	-	-	37.5	36.0	34.3	32.6	30.8	28.6	26.0	23.0	-	-	-	-	-	-	-	-	-	-	-	-
17	NW4+ / NW4D	6	8	100	100	1800	188	-	-	-	37.0	36.0	34.7	33.4	31.6	29.7	27.4	24.5	20.0	-	-	-	-	-	-	-	-	-	-	-
18	NW4+ / NW4D	6.5	8.7	100	100	2000	173	-	-	-	-	38.0	36.5	35.8	34.5	33.0	31.0	28.0	25.0	-	-	-	-	-	-	-	-	-	-	-
19	NW7+ / NW7+D	4.5	6	100	80	1500	218	-	-	-	-	-	-	24.6	23.3	21.8	20.0	18.0	15.3	-	-	-	-	-	-	-	-	-	-	-
20	NW7+ / NW7+D	5.2	7	100	80	1500	230	-	-	-	-	-	-		26.5	25.0	23.7	22.0	20.2	18.0	15.3	-	-	-	-	-	-	-	-	-
21	NW7 / NW7D	6.5	8.7	100	80	1500	255	-	-	-	-	-	-	30.6	29.9	29.0	28.0	27.0	26.0	24.6	23.4	22.0	20.8	19.2	17.9	15.0	-	-	-	-
22	NW7+ / NW7+D	7.5	10	100	80	1500	255	-	-	-	-	-	-	-	-	-	-	29.0	27.7	26.5	25.2	23.6	22.0	20.0	17.8	-	-	-	-	-
23	NW7+ / NW7+D	8.6	11.5	100	80	1800	226	-	-	-	-	-	-	-	-	-	-	-	-	31.0	30.0	28.6	27.2	26.0	24.5	23.0	21.0	18.7	-	-
24	NW8+ / NW8+D	7.5	10	100	100	1500	245	-	-	-	40.0	39.0	38.2	37.0	36.0	34.8	33.5	32.0	30.2	28.0	26.0	23.0	-	-	-	-	-	-	-	-
25	NW9D	4.5	6	125	125	1500	177	58.7	53.2	48.0	42.0	33.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	NW9D	5.2	7	125	125	1500	183	-	57.6	52.5	47.0	41.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	NW9D	7.5	10	125	125	1500	198	-	66.0	61.5	57.0	51.3	45.0	37.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	NW9D	8.6	11.5	125	125	1800	175	-	-	-	65.0	61.2	56.7	51.7	45.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	NW9D	9	12	125	125	1500	205	-	-	65.5	61.5	57.3	52.7	48.0	40.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	NW9D	10.4	14	125	125	1800	186	-	-	-	72.0	68.7	65.0	61.1	56.4	51.7	46.2	-	-	-	-	-	-	-	-	-	-	-	-	-
31	NW9D	11.9	16	125	125	1800	195	-	-	-	-	-	72.0	68.0	64.5	60.5	56.2	50.7	43.2	-	-	-	-	-	-	-	-	-	-	-
32	NW9D	13	17.4	125	125	2000	182	-	-	-	-	-	77.0	73.6	70.4	66.7	63.0	58.7	54.0	46.5	-	-	-	-	-	-	-	-	-	-
33	NW10D	14.2	19	125	125	1500	260	-	-	-	-	-	-	-	-	-	-	54.5	53.3	52.0	50.2	48.3	46.5	44.0	-	-	-	-	-	-
34	NW10D	17.2	23	125	125	1800	234	-	-	-	-	-	-	-	-	-	-	-	-	-	58.4	57.0	55.5	54.0	52.5	49.7	48.8			
35	NW12D	14.2	19	150	150	1500	242	-	-	89.0	87.0	85.0	82.5	80.0	77.0	74.0	70.4	66.7	62.0	55.0	-	-	-	-	-	-	-	-	-	-
36	NW12D	17.2	23	150	150	1800	212	-	-	95.0	92.7	91.0	89.0	86.4	84.0	81.7	78.5	75.5	71.8	66.0	62.3	56.0	-	-	-	-	-	-	-	-
37	NW12D	18.7	25	150	150	2000	197	-	-	-	96.5	94.5	92.7	90.7	88.5	86.6	84.5	82.2	80.0	76.5	72.2	-	-	-	-	-	-	-	-	-

Note: NW-9D (pipe size: 150x150 mm) can be supplied with 125 to 150 mm extension flanges for both suction and delivery sizes against requirement. Direction of rotation for all pump models is clockwise except for NW8D, NW10D, NW11D AND NW12D it is anticlockwise when viewed from suction side. Performance applicable to liquid of specific gravity 1 and Viscosity as of water.

PERFORMANCE CHART FOR NW / NW+ / NWD ENGINE COUPLED END SUCTION PUMPS AT RATED SPEED																													
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METERS																					
		kW	HP	SUC.	DEL			13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
								DISCHARGE IN LITRES PER SECOND																					
38	NW6 / NW6D	7.5	10	80	80	1500	295	-	-	-	-	-	-	-	-	-	-	-	-	-	17.0	15.6	13.6	10.6	-	-	-	-	-	-
39	NW7+ / NW7+D	10.4	14	100	80	1800	240	-	-	-	-	-	-	33.0	32.0	31.0	30.0	29.0	27.5	26.0	24.2	22.5	20.1	-	-	-	-	-	-	-
40	NW7+ / NW7+D	11.9	16	100	80	1800	250	-	-	-	-	-	-	-	34.5	34.0	33.0	32.0	31.0	29.9	28.5	27.1	26.6	23.7	21.5	-	-	-	-	-
41	NW7+ / NW7+D	13	17.4	100	80	2000	236	-	-	-	-	-	-	-	-	-	36.5	35.8	34.8	33.8	32.8	31.5	30.3	29.0	27.8	26.2	24.5	22.5	20.5	-
42	NW8+ / NW8+D	17.2	23	100	100	1800	258	-	-	-	-	-	-	-	-	-	45.0	44.0	43.0	41.9	40.2	38.8	37.0	35.0	33.3	31.2	-	-	-	-
43	NW8+ / NW8+D	18.7	25	150	150	2000	197	-	57.5	56.0	54.8	53.6	52.5	51.3	50.1	49.0	48.0	47.0	45.7	44.5	43.0	42.0	40.7	39.2	38.0	36.0	34.2	32.0	30.0	-
44	NW10D	18.7	25	125	125	2000	220	-	-	-	-	-	-	61.5	60.3	58.8	57.5	56.2	55.0	53.5	51.2	-	-	-	-	-	-	-	-	-
								20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
45	NW6 / NW6D	10.4	14	80	80	1800	274	-	-	-	-	-	-	-	-	-	-	-	-	-	17.0	15.5	13.7	11.5	8.2	-	-	-	-	-
46	NW6 / NW6D	11.9	16	80	80	1800	288	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.9	17.5	16.0	14.0	11.5	7.5	-
47	NW6 / NW6D	13	17.4	80	80	2000	265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.0	19.0	17.6	15.7	13.3	10.3
48	NW 11D	7.75	10.5	100	80	1450	349	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.0	26.0	24.7	22.2	19.2
								22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
49	NW 14D	15.6	21.2	80	65	1800	293	11.0	10.8	10.7	10.6	10.5	10.3	10.2	10.0	9.8	9.5	9.3	9.0	8.8	8.4	8.2	7.8	7.4	7.0	6.5	5.8	5.2	4.2	2.8

PERFORMANCE CHART FOR NW / NW+ / NWD ENERGY EFFICIENT IE2 MOTOR COUPLED PUMPS AT RATED SPEED																								
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METRES																
		kW	HP	SUC.	DEL			6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
								DISCHARGE IN LITRES PER SECOND																
1	NW1++	2.2	3	65	50	1400	223	-	-	-	-	-	-	14.0	12.9	11.6	9.8	-	-	-	-	-	-	-
2	NW1+/NW1D	2.2	3	65	50	1400	223	-	-	-	-	-	-	14.0	12.9	11.6	9.8	-	-	-	-	-	-	-
3	NW2+/NW2D	3.7	5	80	65	1420	230	-	-	-	-	-	-	23.7	22.4	21.0	19.3	17.2	14.4	-	-	-	-	-
4	NW2M+/NW2DM+	3.7	5	80	80	1420	230	-	-	-	-	-	-	23.7	22.4	21.0	19.3	17.2	14.4	-	-	-	-	-
5	NW3+/NW3+D	3.7	5	65	50	1400	256	-	-	-	-	-	-	-	-	-	-	14.5	13.7	12.9	12.0	11.0	10.0	
6	NW4+/NW4D	3.7	5	100	100	1420	206	34.0	32.7	31.2	29.5	27.4	25.0	21.0	-	-	-	-	-	-	-	-	-	-
7	NW7/NW7D	5.5	7.5	100	80	1450	255	-	-	-	-	29.6	28.8	27.9	27.0	26.0	24.8	23.8	22.8	21.0	19.6	18.0	16.0	12.4
8	NW7+/NW7+D	5.5	7.5	100	80	1420	255	-	-	-	-	-	-	-	28.0	26.7	25.5	24.0	22.5	20.6	18.5	16.0	-	-
9	NW8/NW8D	5.5	7.5	100	100	1450	238	-	-	37.0	35.9	34.8	33.5	32.2	31.0	29.2	27.0	25.0	22.6	19.4	-	-	-	-
10	NW8+/NW8+D	5.5	7.5	100	100	1450	238	-	-	35.0	34.0	33.0	31.8	30.4	29.7	26.8	24.2	21.0	-	-	-	-	-	-
11	NW8/NW8D	7.5	10	100	100	1450	258	-	-	-	-	-	40.0	39.0	37.8	36.2	35.0	34.0	32.6	31.0	29.0	26.4	24.0	20.4
12	NW8+/NW8+D	7.5	10	100	100	1450	258	-	-	-	-	-	-	-	-	36.0	34.5	33.0	31.0	29.0	27.0	24.0	-	-
13	NW9D	5.5	7.5	125	125	1450	197	62.0	57.4	52.2	47.0	40.2	-	-	-	-	-	-	-	-	-	-	-	-
14	NW9D	7.5	10	125	125	1450	210	73.0	70.0	65.7	62.0	57.5	52.0	45.0	36.0	-	-	-	-	-	-	-	-	-
15	NW10D	5.5	7.5	125	125	1450	206	-	-	42.5	41.5	39.8	37.2	34.5	-	-	-	-	-	-	-	-	-	-
16	NW10D	7.5	10	125	125	1450	228	-	-	-	-	47.5	46.0	44.0	42.0	40.0	37.5	-	-	-	-	-	-	-
17	NW10D	9.3	12.5	125	125	1450	245	-	-	-	-	-	-	50.5	49.0	47.0	45.0	43.0	41.0	-	-	-	-	-
18	NW10D	11	15	125	125	1450	260	-	-	-	-	-	-	-	54.0	52.9	51.3	50.0	48.0	46.2	44.0	42.0	-	-
19	NW12D	11	15	150	150	1450	242	87.0	85.5	83.7	81.0	78.5	76.0	73.0	69.0	65.5	61.0	54.0	-	-	-	-	-	-

PERFORMANCE CHART FOR NW / NW+ / NWD ENERGY EFFICIENT IE2 MOTOR COUPLED PUMPS AT RATED SPEED																								
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METERS																
		kW	HP	SUC.	DEL			10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
								DISCHARGE IN LITRES PER SECOND																
20	NW8/NW8D	9.3	12.5	100	100	1450	274	-	-	-	-	41.0	40.0	39.0	37.8	36.4	35.0	34.0	32.0	30.6	28.6	26.0	23.0	20.0
								16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
21	NW6/NW6D	5.5	7.5	80	80	1450	288	-	-	-	-	-	-	17.0	16.1	14.8	13.0	10.4	6.0	-	-	-	-	-
22	NW6DM	7.5	10	80	80	1450	305	-	-	-	-	-	-	-	-	-	-	-	-	21.0	19.3	17.3	15.0	12.0
23	NW8/NW8D	11	15	100	100	1450	289	43.2	42.0	41.2	40.6	39.2	28.6	37.2	36.0	34.6	32.8	31.4	29.0	26.8	23.0	20.0	-	-

Note: NW-9D (pipe size: 150x150 mm) can be supplied with 125 to 150 mm extension flanges for both suction and delivery sizes against requirement.
Direction of rotation for all pump models is clockwise except for NW8D, NW10D, NW11D and NW12D it is anticlockwise when viewed from suction side.
Performance applicable to liquid of specific gravity 1 and viscosity as of water.

Enriching Lives

KE

END-SUCTION PUMPS

FEATURES

Flatter Efficiency Curve
Minimum variations in efficiency during entire operating range increases the utility of pump set for variable conditions.

Automatic Air Release
Eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

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.

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

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

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.

Highly Efficient & Flexible Design
Designed to run directly through pulley with engine / motor.

TECHNICAL SPECIFICATION

Head Range	:	Upto 23 meters
Discharge Range	:	Upto 37 lps
Power Rating	:	3.7 to 5.9 kW (5 to 8 HP)

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Delivery casing	:	Cast Iron
Pump shaft	:	Carbon Steel

APPLICATIONS

- Irrigation in (horticulture & agriculture)
- Rural water supply
- Mounting on water tanker

PERFORMANCE CHART FOR'KE' SERIES, COUPLED END SUCTION PUMPS AT RATED SPEED																			
Sr. No.	Pump Model	Type	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METRES										
			kW	HP	SUC.	DEL			12	13	14	15	16	17	18	19	20	21	22	23
									DISCHARGE IN LITRES PER SECOND											
1	65 KE-250+	AV-1	3.7	5	80	65	1500	223	22.0	20.7	19.5	17.8	16.0	14.0	10.8	-	-	-	-	-
2	65 KE-250+	TV-1	5.9	8	80	65	1800	221	-	-	-	24.8	23.8	22.8	21.8	20.4	19.0	17.4	15.5	12.4
									6	7	8	9	10	11	12	13	14	15	16	17
3	100 KE-215+	AV-1	3.7	5	100	100	1500	197	34.0	32.5	30.8	28.9	26.8	24.2	19.6	-	-	-	-	-
4	100 KE-215+*	TA-1	4.4	6	100	100	1500	201	35.2	33.7	32.0	30.2	28.2	25.7	22.7	17.7	-	-	-	-
5	100 KE-215+	TV-1	5.2	7	100	100	1500	206	-	36.0	34.5	32.8	31.2	29.2	27.0	24.0	19.0	-	-	-
6	100 KE-215+	TV-1	5.2	8	100	100	1800	188	-	-	37.0	36.0	34.7	33.3	31.6	29.7	27.2	24.4	20.0	-

NOTE: All pumps except 100 KE-215+, type TA-1 are ISI complied.
Performance applicable to liquid of specific gravity 1 and viscosity as of water.

Enriching Lives

KH

END-SUCTION PUMPS

FEATURES

Flatter Efficiency Curve
Minimum variations in efficiency during entire operating range increases the utility of pump set for variable conditions.

Automatic Air Release
Eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

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.

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

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

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.

Highly Efficient & Flexible Design
Designed to run directly through pulley with engine / motor.

TECHNICAL SPECIFICATION

Head Range	:	Upto 52 meters
Discharge Range	:	Upto 12 lps
Power Rating	:	0.25 to 7.5 kW (0.33 to 10 HP)

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Delivery casing	:	Cast Iron
Pump shaft	:	Carbon Steel

APPLICATIONS

- Irrigation in (horticulture & agriculture)
- Rural water supply
- Mounting on water tanker

PERFORMANCE CHART FOR 'KH' SERIES, COUPLED END SUCTION PUMPS AT RATED SPEED																				
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METERS												
								6	7	8	9	10	11	12	13	14	15	16	17	18	19
		kW	HP	SUC.	DEL			DISCHARGE IN LITRES PER SECOND													
1	KH-1	0.25	0.33	25	25	2900	80	2.0	1.6	0.8	-	-	-	-	-	-	-	-	-	-	-
2	KH-1	0.37	0.5	25	25	2900	91	-	2.4	2.2	2.0	1.6	-	-	-	-	-	-	-	-	
3	KH-1	0.55	0.75	25	25	2900	99	-		2.8	2.6	2.4	2.2	1.6	0.4	-	-	-	-	-	-
								15	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
4	KH-3	2.2	3	40	30	2810	146	-	-	-	-	-	-	-	6.4	6.1	5.8	5.4	4.9	4.4	3.4
5	KH-4	1.5	2	40	40	2800	148	6.0	5.6	5.2	4.9	4.5	4.0	3.5	3.0	2.3	1.1	-	-	-	-
6	KH-5	2.2	3	40	40	2810	149	-	-	-	-	-	-	-	-	6.4	6.0	5.4	4.7	3.7	-
								30	**32**	**34**	**36**	**38**	**40**	**42**	**44**	**46**	**48**	**50**	**52**	**54**	**56**
7	KH-6	3.7	5	50	40	2820	172	6.8	6.4	5.5	4.5	3.0	-	-	-	-	-	-	-	-	-
8	KH-7	5.5	7.5	50	40	2840	197.5	-	8.5	8.3	8.2	8.0	7.6	7.2	6.6	6.0	5.2	4.0	1.0	-	-
9	KH-12	7.5	10	65	50	2830	195	-	12.0	11.8	11.5	11.1	10.6	9.9	9.0	8.1	6.8	-	-	-	-

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

Enriching Lives

KHDT

END-SUCTION PUMPS

FEATURES

Flatter Efficiency Curve
Minimum variations in efficiency during entire operating range increases the utility of pump set for variable conditions.

Automatic Air Release
Eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

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.

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

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

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.

Highly Efficient & Flexible Design
Designed to run directly through pulley with engine / motor.

TECHNICAL SPECIFICATION

Head Range	:	Upto 104 meters
Discharge Range	:	Upto 19.4 lps
Power Rating	:	3.7 to 15 kW (5 to 20 HP)

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Delivery casing	:	Cast Iron
Pump shaft	:	Carbon Steel

APPLICATIONS

- Irrigation in (horticulture & agriculture)
- Rural water supply
- Sprinkler

PERFORMANCE CHART FOR KHDT END SUCTION PUMPS AT RATED SPEED																				
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	TOTAL HEAD IN METRES													
		kW	HP	SUC.	DEL		22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
							DISCHARGE IN LITRES PER SECOND														
1	KHDT-544+	3.7	5	65	50	2870	-	7.2	7.0	6.7	6.4	6.0	5.7	5.3	4.9	4.4	3.7	-	-	-	-
2	KHDT-844+	5.7	7.5	80	65	2900	-	12.7	12.2	11.8	11.3	10.9	10.3	9.8	9.2	8.5	7.8	6.9	-	-	-
3	KHDT-1050+	7.5	10	80	65	2900	-	14.3	14.0	13.7	13.4	13.0	12.6	12.3	11.8	11.3	10.8	10.3	9.6	9.0	8.1
							32	34	38	42	46	50	54	58	62	66	70	74	78	82	86
4	KHDT-568+	3.7	5	50	40	2870	-	4.4	4.1	3.8	3.5	3.0	2.5	2.0	1.0	-	-	-	-	-	-
5	KHDT-864+	5.5	7.5	65	50	2900	7.7	7.4	7.1	6.6	6.1	5.6	5.0	4.2	-	-	-	-	-	-	-
6	KHDT-1078+	7.5	10	65	50	2900	-	8.4	8.2	7.9	7.6	7.2	6.8	6.3	5.6	4.9	3.8	-	-	-	-
7	KHDT-1580+	11	15	65	65	2900	-	-	-	-	-	10.8	10.3	9.7	9.1	8.4	7.7	7.0	6.1	5.0	3.5
8	KHDT-2070	15	20	80	65	2900	-	-	-	19.4	18.4	17.2	15.8	14.4	12.8	11.0	-	-	-	-	-
							50	54	58	62	66	70	74	78	82	86	90	94	98	102	104
9	KHDT-1388+	9.3	12.5	65	50	2900	-	-	-	6.9	6.6	6.2	5.8	5.3	4.8	4.1	3.1	-	-	-	-
10	KHDT-1598+	11	15	65	50	2900	-	-	-	-	-	-	7.1	6.7	6.4	6.0	5.6	5.0	4.4	3.5	2.6
11	KHDT-2095+	15	20	65	65	2900	-	-	-	12.7	12.2	11.5	10.8	10.1	9.2	8.3	7.2	5.8	-	-	-

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

Enriching Lives

SR

END-SUCTION PUMPS

FEATURES

Flatter Efficiency Curve
Minimum variations in efficiency during entire operating range increases the utility of pump set for variable conditions.

Automatic Air Release
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Dynamically Balanced Rotating Parts
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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.

Highly Efficient & Flexible Design
Designed to run directly through pulley with engine / motor.

TECHNICAL SPECIFICATION

Head Range	:	Upto 136 meters
Discharge Range	:	Upto 14.8 lps
Power Rating	:	5.9 to 19 kW (8 to 26 HP) with engine
		3.7 to 9.3 kW (5 to 12.5 HP) with motor

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Delivery casing	:	Cast Iron
Pump shaft	:	Carbon Steel

APPLICATIONS

- Irrigation in (horticulture & agriculture)
- Rural water supply
- Mines dewatering
- Firefighting

PERFORMANCE CHART FOR 'SR' SERIES, ENGINE COUPLED END SUCTION PUMPS AT RATED SPEED																	
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	TOTAL HEAD IN METRES										
							50	60	70	80	90	95	100	110	120	130	136
		kW	HP	SUC.	DEL		DISCHARGE IN LITRES PER SECOND										
1	8SR7	5.9	8	65	50	1800	5.4	4.8	4.2	3.5	2.5	1.9	1.0	-	-	-	-
2	16SR6	11.8	16	80	65	1800	12.0	10.7	9.5	8.0	6.2	5.0	-	-	-	-	-
3	26SR9*	19	26	80	65	1800	14.8	13.9	13.1	12.4	11.5	11.1	10.6	9.5	8.2	6.8	6.4

Note: * Also available in reverse rotation as 26SR9R (Direction anti-clockwise when viewed from non-driving end).
Performance applicable to liquid of specific gravity 1 and viscosity as of water.

PERFORMANCE CHART FOR 'SR' SERIES, MOTOR COUPLED END SUCTION PUMPS AT RATED SPEED														
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	TOTAL HEAD IN METRES							
							30	35	40	50	60	70	80	90
		kW	HP	SUC.	DEL		DISCHARGE IN LITRES PER SECOND							
1	8SR7	3.7	5	65	50	1450	4.5	4.2	3.8	3.0	1.8	-	-	-
2	16SR6	7.5	10	80	65	1450	-	9.3	8.5	6.9	4.6	-	-	-
3	26SR9*	9.3	12.5	80	65	1450	-	11.5	11.1	10.1	9.0	7.8	6.4	3.8

Note: * Also available in reverse rotation as 26SR9R (Direction anti-clockwise when viewed from non-driving end).
Performance applicable to liquid of specific gravity 1 and viscosity as of water.

Enriching Lives

USEFUL PUMP ACCESSORY

Enriching Lives

K-KLEEN 25

KIRLOSKAR PUMPS
K-Kleen 25
For Clean Water

Inline Chlorinator and Cartridge

By KIRLOSKAR BROTHERS LIMITED

K-KLEEN 25

FEATURES

- **Portable and Reliable**
- **Chlorinated Water with Ph Value (close to) 7**
- **Facilitates remove contaminants & Undesirable Components.**

TECHNICAL SPECIFICATION

Max. Working Pressure : 5.2 kg/cm^2
Max Allowable Discharge : 4500 LPH
Filed for Patent being Unique Technology

MATERIAL OF CONSTRUCTION

Valve Body	:	Polymer
Flange	:	Polymer
Valve Element	:	Polymer
Cap for Valve Element	:	Poly Carbonate (Transparent)

APPLICATIONS

- Suitable for residential, buildings
- Suitable for mass/public places, like – railway station, bus stand, gram panchayat, etc.
- Suitable for schools & colleges.
- Suitable for offices & community centres
- Drinking water for animals

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