ORIGINAL KIRLOSKAR PUMP

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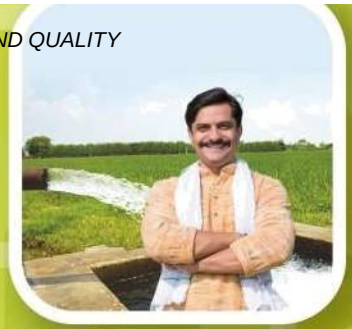
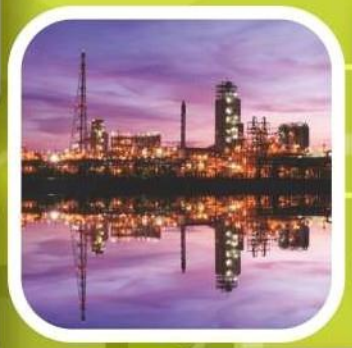
Since 1928

SWADESHI AND QUALITY

Kirloskar

Enriching Lives





STRENGTHENED BY 99.9% PURE EC GRADE COPPER WINDING WIRES

KIRLOSKAR PUMPS
VERSATILE AND RELIABLE,
FOR EVERY USE, EVERYWHERE

PRODUCT CATALOGUE

W. R. TALWALKER BROTHERS PVT. LTD.

An ISO 9001:2015 Certified Company

Authorised Distributors For Kirloskar Products

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; it 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 reduces overall energy use, enhancing efficiency and cost saving.


Enriching Lives

Enriching Lives

INDUSTRIAL RANGE PUMPS

Monobloc Pumps - Three Phase

KDI EE5

KDI EE4

KDI EE2

KDI

KDS/GMC

KDT

KS

SRF

Enriching Lives

INDUSTRIAL RANGE PUMPS

Openwell Submersible Pumps - Three Phase

KOSM

KOS

Vacuum Pumps

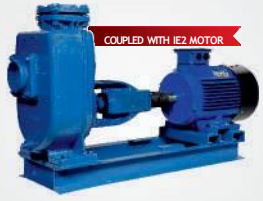
KV

DV

Self Priming Pumps

SP COUPLED SET
Energy Efficient Pumpset with **IE5 MOTOR**

SP COUPLED SET
Energy Efficient Pumpset with **IE4 MOTOR**



SP COUPLED SET
Energy Efficient Pumpset with **IE2 MOTOR**

SP MONOBLOC

SP BARESHAFT

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INDUSTRIAL RANGE PUMPS

Vertical Multi Stage / Inline Pumps

KVM

KCIL

KSIL

SS - Monobloc Pumps

AGNES

KSMB

Sewage / Dewatering Pumps

ETERNA CW+/CW

CUTTER PUMP - CWC

SW

BW

Swimming Pool Pump

KPP

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AGRICULTURE RANGE PUMPS

Monobloc Pumps - Single Phase

KDS

KAM

DC

HASTI

PAMBA PUZHA

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DOMESTIC RANGE PUMPS

Mini Series Self Priming Pumps

CHHOTU

MINI 30C

MINI 40C

MINI 40C ES

MINI 50C

Mini Series Self Priming Pumps - Ultra Series

Jalraaj Ultra

Chhotu Star Ultra

Jalraaj - 1 Ultra

Mini Series Self Priming Pumps

AARNA

ANAYA

RIAN

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DOMESTIC RANGE PUMPS

Mini Series Self Priming Pumps - Jal Series


JALDAKSH


JALHASTI


JALTARA


JALHANSA


JALSENA


JALNAYAK

Self Priming Pumps


AQUA KNIGHT


V-FLOW


AQUA TORRENT-10FCL


CMS N

Enriching Lives

DOMESTIC RANGE PUMPS

Jet Pump

KJ

Shallow Well Pumps

KSW

LIFTER

Openwell Submersible Pumps - Single Phase

KOSi

KOSi C

Pressure Boosting System

CPBS

K-BOOSTER

STAR GALAXY

HL Pump

HI - Lifter

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SUBMERSIBLE PUMPSETS

Borewell Submersible Pumps - Oil Cooled

KP3S

KU4

KP4 JALRAAJ UVA

KU6i

Borewell Submersible Pumps - Water Cooled

KS3

KS4

NEO

KS6

Borewell Submersible Pumps - Water Cooled

KS7

KS8

KS9

HHF/HHN

Openwell Submersible Pumps


JOS

Vertical Openwell Pumps


JVS

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OTHER PRODUCTS

End-Suction Pumps


NWD


NW


KE


KH


KHDT


SR

Enriching Lives

CONTENT

Enriching Lives

CONTENT

Enriching Lives

CONTENT

Enriching Lives

CONTENT

Note :
Information and declarations mentioned in this document or on nameplate are at standard test conditions and as a part of continual improvements, specifications are subject to change without prior notice.
Images shown in the catalogue are for illustration purpose only. Actual product may vary.

Enriching Lives

INDUSTRIAL
PRODUCT RANGE

MONOBLOC PUMPS
THREE PHASE

Enriching Lives

KDI - EE5

ENERGY EFFICIENT MONOBLOC PUMP WITH ULTRA PREMIUM EFFICIENCY IE5 MOTOR

Seal with HNBR which can Handle fluid up to 120°C

FEATURES

Ultra Premium Efficiency
Lower life cycle cost with lower operating cost.

Higher Specific Discharge (discharge rate per unit power)
Up to 16.6 % less energy consumption for pumping same amount of fluid.

High grade F-Class insulation with Temperature rise limited to B-Class #
Robust design to withstand higher temperatures reducing the chances of motor burning and ensures the reliability, safety and enhanced life.

High Efficiencies Achieved with AC Induction Motor Design
Rugged and most suited to work under varied field conditions. Easy to operate, maintain and service at local levels as there is no use of permanent magnets/added accessories/control equipment.

Cathodic Electro Deposition (CED) Coating
CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life. All Hydraulic parts of Kirloskar pumps are CED coated.

Dynamically Balanced Rotating Parts
Minimum vibration protects the components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

Superior 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. With Carbon Vs Ceramic mechanical seal and HNBR it can handle fluid up 120°C.

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.

Optimum Fan and Fan Cover Design
Designed for optimum cooling with minimum power consumption and quiet operation.

 # For selected models

TECHNICAL SPECIFICATION

Head Range	-	Up to 54 Meters
Discharge Range	-	Up to 33 LPS
Power Rating	-	1.1 - 3.7 kW (1.5 - 5.0 HP)
Voltage Range	-	350 to 440 Volts
Insulation	-	F Class
Protection	-	IP55

MATERIAL OF CONSTRUCTION

Impeller	-	Cast Iron
Delivery Casing	-	Cast Iron
Motor Body	-	Cast Iron
Pump Shaft	-	Stainless Steel
Sealing	-	Mechanical Seal

(Carbon vs Ceramic with HNBR which can withstand fluid temperature up to 120°C)

APPLICATIONS

- Air conditioning and refrigeration system
- Cooling towers
- Fire fighting
- Water supply
- Clear water handling at high pressure in industries
- Clear water handling in ETP/STP Plants
- Handling hot water in par boiled rice making machines
- Hot water handling at High Pressure in Industries

PERFORMANCE CHART FOR KDI EE5 SERIES, 2 POLE, MONOBLOC PUMP, 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																
							6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																
1	**KDI - 1.514 EE5**	1.1	1.5	50	50	415	-	8.5	7.1	5.7	3.0	-	-	-	-	-	-	-	-	-	-	-	-
2	**KDI - 1.522 EE5**	1.1	1.5	50	40	415	-	6.3	5.9	5.5	5.0	4.5	3.9	3.1	1.8	-	-	-	-	-	-	-	-
3	**KDI - 1.525 EE5**	1.1	1.5	50	40	415	2.6	2.55	2.5	2.45	2.4	2.3	2.2	2.1	2.0	1.8	1.6	-	-	-	-	-	-
4	**KDI - 1.540 EE5**	1.1	1.5	32	25	415	-	-	-	-	-	-	-			2.7	2.5	2.3	2.0	1.65	1.2	0.75	-
5	**KDI - 212 EE5**	1.5	2.0	80	80	415	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-
6	**KDI - 216 EE5**	1.5	2.0	65	50	415	-	11.0	10.0	8.7	7.0	4.0	-	-	-	-	-	-	-	-	-	-	-
7	**KDI - 225 EE5**	1.5	2.0	50	40	415	-	5.4	5.2	5.0	4.7	4.5	4.1	3.7	3.2	2.7	-	-	-	-	-	-	-
8	**KDI - 235 EE5**	1.5	2.0	50	40	415	-	-	4.1	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.7	2.4	2.0	1.3	-	-	-
9	**KDI - 314 EE5**	2.2	3.0	80	80	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-
10	**KDI - 318 EE5***	2.2	3.0	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-
11	**KDI - 515 EE5**	3.7	5.0	100	100	415	33.0	30.5	28.0	24.0	19.0	12.0	-	-	-	-	-	-	-	-	-	-	-
12	**KDI - 520 EE5**	3.7	5.0	80	80	415	-	23.4	22.0	20.8	19.5	18.0	16.0	13.2	10.0	-	-	-	-	-	-	-	-
13	**KDI - 527 EE5**	3.7	5.0	80	65	415	-	-	16.0	15.4	14.8	14.2	13.4	12.5	11.4	10.0	8.3	5.8	-	-	-	-	-
14	**KDI - 538 EE5**	3.7	5.0	65	50	415	9.0	8.9	8.85	8.8	8.7	8.6	8.55	8.45	8.35	8.25	8.1	7.9	7.6	7.1	6.6	6.0	5.1
							34	**36**	**38**	**40**	**42**	**44**	**46**	**48**	**50**	**52**	**54**	**-**	**-**	**-**	**-**	**-**	**-**
15	**KDI - 550 EE5**	3.7	5.0	50	40	415	5.6	5.5	5.3	5.1	4.8	4.5	4.1	3.7	3.2	2.6	1.5	-	-	-	-	-	-

Note:

- * KDI-318 EE5 can also be offered with pipe size 65 x 50.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

Enriching Lives

KDI - EE4

ENERGY EFFICIENT MONOBLOC PUMP WITH PREMIUM EFFICIENCY IE4 MOTOR

Seal with HNBR which can Handle fluid up to 120°C

FEATURES

Premium Efficiency IE4 Motor 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 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. With Carbon Vs Ceramic mechanical seal and HNBR it can handle fluid up 120°C.

Cathodic Electro Deposition (CED) Coating

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

Dynamically Balanced Rotating Parts

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

Replaceable Wearing Parts

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

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

Automatic Air Release

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 80 Meters
Discharge Range	-	Up to 39 LPS
Power Rating	-	1.5 to 15 kW (2 to 20 HP)
Voltage Range	-	350 to 440 Volts (Three Phase)
Insulation	-	F Class
Protection	-	IP55

MATERIAL OF CONSTRUCTION

Impeller	-	Cast Iron/Gun Metal/Stainless Steel
Delivery Casing	-	Cast Iron
Motor Body	-	Cast Iron
Pump Shaft	-	Stainless Steel
Sealing	-	Mechanical Seal

(Carbon vs Ceramic with HNBR which can withstand fluid temperature up to 120°C)

APPLICATIONS

- Air conditioning and refrigeration system
- Cooling towers
- Fire fighting
- Water supply
- Clear water handling at high pressure in Industries
- Clear water handling in ETP/STP Plants
- Handling hot water in parboiled rice making machines
- Hot water handling at High Pressure in Industries

PERFORMANCE CHART FOR KDI EE4 SERIES, 2 POLE, MONOBLOC PUMP, 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	38	40
							DISCHARGE IN LITRES PER SECOND																	
1	KDI - 216 EE4	1.5	2.0	65	50	415	-	11.0	10.0	8.7	7.0	4.0	-	-	-	-	-	-	-	-	-	-	-	-
2	KDI - 225 EE4	1.5	2.0	50	40	415	-	5.4	5.2	5.0	4.7	4.5	4.1	3.7	3.2	2.7	-	-	-	-	-	-	-	-
3	KDI - 235 EE4	1.5	2.0	50	40	415	-	-	4.1	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.7	2.4	2.0	1.3	-	-	-	-
4	KDI - 314 EE4	2.2	3.0	80	80	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-
5	KDI - 318 EE4	2.2	3.0	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-
6	KDI - 318 EE4	2.2	3.0	65	50	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-
7	KDI - 335 EE4	2.2	3.0	50	40	415	-	-	-	5.05	4.9	4.8	4.6	4.5	4.35	4.2	4.0	3.8	3.5	3.2	2.7	2.0	-	-
8	KDI - 515 EE4	3.7	5.0	100	100	415	33.0	30.5	28.0	24.0	19.0	12.0	-	-	-	-	-	-	-	-	-	-	-	-
9	KDI - 520 EE4	3.7	5.0	80	80	415	-	23.4	22.0	20.8	19.5	18.0	16.0	13.2	10.0	-	-	-	-	-	-	-	-	-
10	KDI - 527 EE4	3.7	5.0	80	65	415	-	-	16.0	15.4	14.8	14.2	13.4	12.5	11.4	10.0	8.3	5.8	-	-	-	-	-	-
11	KDI - 538 EE4	3.7	5.0	65	50	415	9.0	8.90	8.85	8.8	8.7	8.6	8.55	8.45	8.35	8.25	8.1	7.9	7.6	7.1	6.6	6.0	5.1	4.0
12	KDI - 822 EE4	5.5	7.5	100	100	415		29.4	28.1	26.7	25.4	23.9	22.1	20.0	17.7	14.0	-	-	-	-	-	-	-	-
13	KDI - 830 EE4	5.5	7.5	80	65	415	-	-	-	-	-	19.0	18.2	17.3	16.4	15.4	14.2	12.7	11.1	-	-	-	-	-
14	KDI - 837 EE4	5.5	7.5	65	65	415	-	-	-	-	-	-	-	-	11.2	11.1	11.0	11.0	10.9	10.6	10.0	9.0	7.0	-
15	KDI - 1030 EE4	7.5	10.0	100	100	415	-	-	-	32.0	30.5	29.4	28.2	26.9	25.2	23.5	21.0	18.0	13.5	-	-	-	-	-
16	KDI - 1040 EE4	7.5	10.0	80	65	415	-	-	23.5	23.0	22.5	22.0	21.5	20.9	20.3	19.5	18.7	17.9	17.0	15.8	14.6	13.3	11.0	9.0
17	KDI - 1331 EE4	9.3	12.5	100	100	415	-	-	37.5	36.5	35.5	34.5	33.4	32.0	30.5	28.5	26.5	23.8	19.8	12.0	-	-	-	-
18	KDI - 1537 EE4	11.0	15.0	100	100	415	-	-	39.0	38.5	38.0	37.2	36.5	35.5	34.5	33.0	31.6	30.0	27.8	25.0	22.0	17.5	-	-
							22	24	26	28	30	32	34	36	38	40	44	46	48	52	56	60	64	68
19	KDI - 550 EE4	3.7	5.0	50	40	415	-	-	-	-	-	-	-	-	5.0	4.8	4.1	3.7	3.2	1.6	-	-	-	-
20	KDI - 844 EE4	5.5	7.5	65	65	415	11.5	11.3	11.0	10.6	10.2	9.7	9.0	8.4	7.7	7.0	4.2	-	-	-	-	-	-	-
21	KDI - 1050 EE4	7.5	10.0	65	65	415	-	-	12.7	12.5	12.2	12.0	11.7	11.4	11.0	10.7	9.6	8.9	8.1	6.0	-	-	-	-
22	KDI - 1065 EE4	7.5	10.0	65	50	415	-	-	-	-	-	-	-	-	-	7.8	7.3	7.1	6.9	6.4	5.8	5.1	4.3	3.0
							14	16	20	22	24	28	30	32	34	36	38	40	42	44	46	48	52	54
23	KDI - 1348 EE4	9.3	12.5	80	65	415	-	-	19.5	19.2	18.8	18.1	17.6	17.2	16.6	15.9	15.1	14.3	13.2	11.9	10.2	6.5	-	-
24	KDI - 1555 EE4	11.0	15.0	80	65	415	-	-	-	19.75	19.7	19.5	19.4	19.2	18.8	18.5	18.0	17.4	16.7	16.0	15.0	14.2	12.2	10.5
25	KDI - 2050 EE4	15.0	20.0	100	80	415	35.0	34.2	33.0	32.2	31.7	30.1	29.5	28.8	28.0	27.0	26.0	25.0	24.0	22.5	21.0	19.4	13.5	-
							18	22	28	30	34	36	40	44	46	48	52	56	60	64	68	72	76	80
26	KDI - 1360 EE4	9.3	12.5	65	50	415	12.9	12.7	12.4	12.3	12.0	11.7	11.3	10.7	10.4	10.0	9.1	8.3	7.0	4.5	-	-	-	-
27	KDI - 1570 EE4	11.0	15.0	65	50	415	-	-	13.2	13.1	12.9	12.8	12.5	12.0	11.8	11.5	10.7	10.0	9.0	8.0	6.5	-	-	-
28	KDI - 1575 EE4	11.0	15.0	65	50	415	-	-	-	-	-	-	-	-	-	-	-	7.7	7.3	6.9	6.4	5.8	4.9	3.4

Note:

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

Enriching Lives

KDI - EE2

ENERGY EFFICIENT MONOBLOC
PUMP WITH IE2 MOTOR EFFICIENCY

Seal with HNBR which can Handle fluid up to 120°C

FEATURES

High Efficiency IE2 Motor and Energy Saving Design
Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

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Superior quality of mechanical seal ensures zero leakage, lower friction loss, protects from wearing of shaft, thus resulting in easy maintenance and longer life. With Carbon Vs Ceramic mechanical seal and HNBR it can handle fluid up to 120°C.

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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 it does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost saving due to low maintenance and breakdown.

Automatic Air Release
Automatically releases air when the pump starts ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

TECHNICAL SPECIFICATION

Head Range	-	Up to 68 Meters
Discharge Range	-	Up to 33 LPS
Power Rating	-	1.5 to 7.5 kW(2 to 10 HP)
Voltage Range	-	350 to 440 Volts(Three Phase)
Insulation	-	F Class
Protection	-	IP55

MATERIAL OF CONSTRUCTION

Impeller	-	Cast Iron
Delivery Casing	-	Cast Iron
Motor Body	-	Cast Iron
Pump Shaft	-	Stainless Steel
Sealing	-	Mechanical Seal

(Carbon vs Ceramic with HNBR which can withstand fluid temperature up to 120°C)

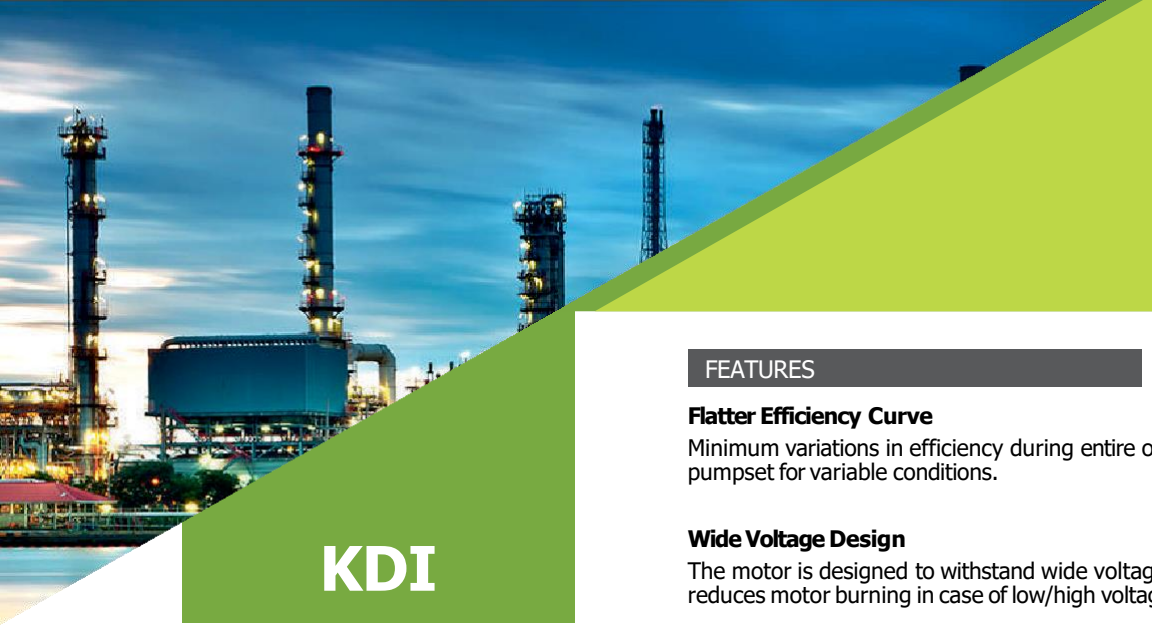
APPLICATIONS

- Air conditioning and refrigeration system
- Cooling towers
- Fire fighting
- Water supply
- Clear water handling at high pressure in Industries
- Clear water handling in ETP/STP Plants
- Handling hot water in parboiled rice making machines
- Hot water handling at high pressure in Industries

PERFORMANCE CHART FOR KDI EE2 SERIES, 2 POLE, MONOBLOC PUMP, 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																	
							6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	44
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																	
1	KDI - 216 EE2	1.5	2.0	65	50	415	-	11.0	10.0	8.7	7.0	4.0	-	-	-	-	-	-	-	-	-	-	-	-
2	KDI - 225 EE2	1.5	2.0	50	40	415	-	5.4	5.2	5.0	4.7	4.5	4.1	3.7	3.2	2.7	-	-	-	-	-	-	-	-	-
3	KDI - 235 EE2	1.5	2.0	50	40	415	-	-	4.1	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.7	2.4	2.0	1.3	-	-	-	-	-
4	KDI - 314 EE2	2.2	3.0	80	80	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	KDI - 318 EE2	2.2	3.0	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-	-
6	KDI - 318 EE2	2.2	3.0	65	50	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-	-
7	KDI - 325 EE2	2.2	3.0	65	50	415	-	-	9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9	-	-	-	-	-	-	-	-
8	KDI - 334 EE2	2.2	3	50	40	415	-	-	-	-	6.7	6.4	6.2	5.9	5.6	5.2	4.7	4.0	3.2	2.1	0.6	-	-	-	-
9	KDI - 515 EE2	3.7	5.0	100	100	415	33.0	30.5	28.0	24.0	19.0	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-
10	KDI - 520 EE2	3.7	5.0	80	80	415	-	23.4	22.0	20.8	19.5	18.0	16.0	13.2	10.0	-	-	-	-	-	-	-	-	-	-
11	KDI - 527 EE2	3.7	5.0	80	65	415	-	-	16.0	15.4	14.8	14.2	13.4	12.5	11.4	10.0	8.3	5.8	-	-	-	-	-	-	-
12	KDI - 538 EE2	3.7	5.0	65	50	415	9.0	8.90	8.85	8.8	8.7	8.6	8.55	8.45	8.35	8.25	8.1	7.9	7.6	7.1	6.6	6.0	5.1	4.0	
13	KDI - 822 EE2	5.5	7.5	100	100	415	-	29.4	28.1	26.7	25.4	23.9	22.1	20.0	17.7	14.0	-	-	-	-	-	-	-	-	-
14	KDI - 830 EE2	5.5	7.5	80	65	415	-	-	-	-	-	19.0	18.2	17.3	16.4	15.4	14.2	12.7	11.1	-	-	-	-	-	-
15	KDI - 837 EE2	5.5	7.5	65	65	415	-	-	-	-	-	-	-	-	11.2	11.1	11.0	11.0	10.9	10.6	10.0	9.0	7.0	-	-
16	KDI - 844 EE2	5.5	7.5	65	65	415	-	-	-	-	-	-	-	-	11.5	11.3	11.0	10.6	10.2	9.7	9.0	8.4	7.7	7.0	4.2
17	KDI - 1030 EE2	7.5	10.0	100	100	415	-	-	-	31.0	30.5	29.4	28.2	26.9	25.2	23.5	21.0	18.0	13.5	-	-	-	-	-	-
18	KDI - 1040 EE2	7.5	10.0	80	65	415	-	-	23.5	23.0	22.5	22.0	21.5	20.9	20.3	19.5	18.7	17.9	17.0	15.8	14.6	13.3	11.0	9.0	-
							14	16	18	20	22	24	26	28	30	32	34	36	38	40	44	46	48	52	54
19	KDI - 550 EE2	3.7	5.0	50	40	415	-	-	-	-	-	-	-	-	-	-	-	-	4.7	4.5	3.85	3.45	3.0	1.6	-
20	KDI - 852 EE2	5.5	7.5	65	50	415	-	-	-	-	-	-	-	-	-	8.3	8.0	7.75	7.3	7.0	6.4	6.0	5.4	3.8	-
21	KDI - 1050 EE2	7.5	10.0	65	65	415	-	-	-	-	-	-	12.7	12.5	12.2	12.0	11.7	11.4	11.0	10.7	9.6	8.9	8.1	6.0	-
							18	22	26	28	30	32	34	36	40	44	46	48	52	56	60	64	68	72	76
22	KDI - 1065 EE2	7.5	10.0	65	50	415	-	-	-	-	-	-	-	-	7.8	7.3	7.1	6.9	6.4	5.8	5.1	4.3	3.0	-	-

Note:

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



Enriching Lives

KDI

THREE PHASE
MONOBLOC PUMPS

Seal with HNBR which can Handle fluid up to 120 °C

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 Variation from 350 to 440 volts and reduces motor burning in case of low/high voltage.

Designed to Prevent Overloading

Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost saving 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 vibration protects the components from damage during the operation, 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 ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

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	-	Up to 80 Metres
Discharge Range	-	Up to 39 LPS
Power Rating	-	1.5 to 22 kW (2 to 30 HP)
Voltage Range	-	350 to 440 Volts (Three Phase)
Insulation	-	F Class
Protection	-	IP55

MATERIAL OF CONSTRUCTION

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

(Carbon vs Ceramic with HNBR which can withstand fluid temperature up to 120°C)

APPLICATIONS

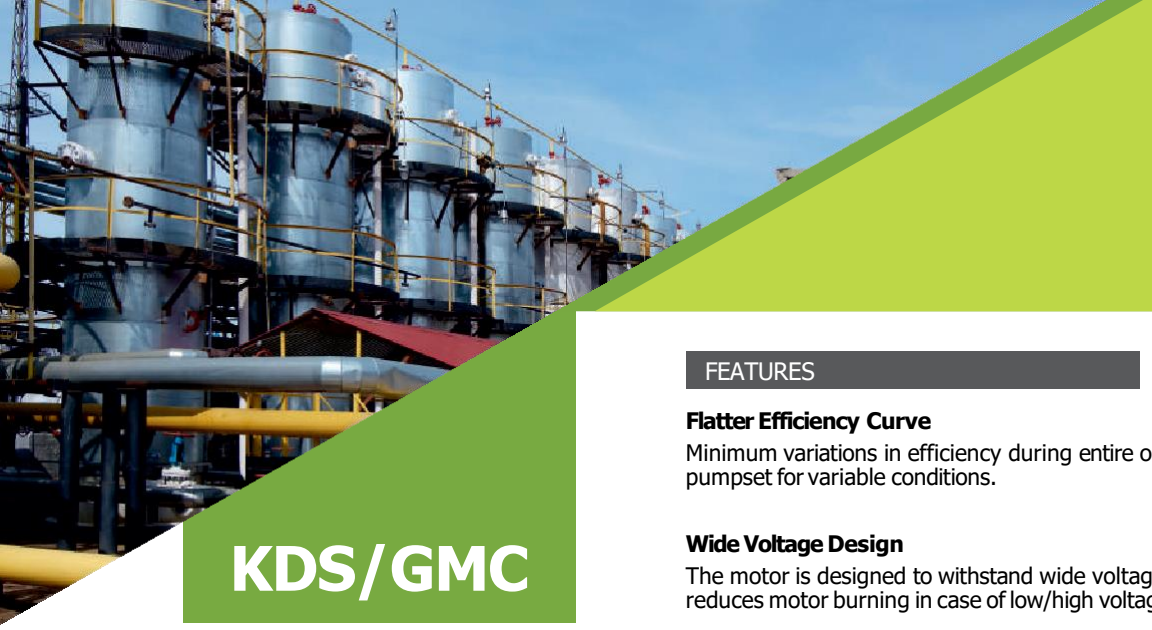
- Air conditioning and refrigeration systems
- Cooling towers
- Clear water handling at high pressure in industries
- Irrigation in horticulture & agriculture
- Fire fighting systems

PERFORMANCE CHART FOR KDI SERIES, 2 POLE, MONOBLOC PUMP, 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																				
							6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																				
1	KDI - 216+	1.5	2.0	65	50	415	-	11.0	10.1	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	KDI - 225++	1.5	2.0	50	40	415	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	2.3	-	-	-	-	-	-	-	-	-	-
3	KDI - 235+	1.5	2.0	50	40	415	-	-	4.1	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.7	2.4	2.0	1.3	-	-	-	-	-	-	-
4	KDI - 314+	2.2	3.0	80	80	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	KDI - 318++	2.2	3.0	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-
6	KDI - 318++	2.2	3.0	65	50	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-
7	KDI - 325++	2.2	3.0	65	50	415	-	-	9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9	-	-	-	-	-	-	-	-	-	-
8	KDI - 335++	2.2	3.0	50	40	415	-	-	-	5.05	4.9	4.8	4.6	4.5	4.35	4.2	4.0	3.8	3.5	3.2	2.7	2.0	-	-	-	-	-
9	KDI - 515	3.7	5.0	100	100	415	33.0	30.5	28.0	24.0	19.0	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	KDI - 520+	3.7	5.0	80	80	415	-	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0	-	-	-	-	-	-	-	-	-	-	-	-
11	KDI - 527++	3.7	5.0	80	65	415	-	-	-	-	-	14.3	13.5	12.5	11.6	10.4	8.7	6.4	-	-	-	-	-	-	-	-	-
12	KDI - 538+	3.7	5.0	65	50	415	9.0	8.9	8.85	8.8	8.7	8.6	8.55	8.45	8.35	8.25	8.1	7.9	7.6	7.1	6.6	6.0	5.1	4.0	-	-
13	KDI - 822++	5.5	7.5	100	100	415	-	-	-	27.3	25.6	24.0	22.1	20.0	17.5	14.5	-	-	-	-	-	-	-	-	-	-	-
14	KDI - 830++	5.5	7.5	80	65	415	-	-	-	-	-	19.0	18.2	17.3	16.4	15.3	14.2	12.7	11.1	-	-	-	-	-	-	-	-
15	KDI - 837+	5.5	7.5	65	65	415	-	-	-	-	-	-	-	-	12.75	12.6	12.5	12.2	11.8	11.1	10.3	9.0	7.3	-	-	-
16	KDI - 844++	5.5	7.5	65	65	415	-	-	-	-	-	-	-	-	-	-	10.6	10.2	9.9	9.5	9.0	8.4	7.8	7.0	6.1	4.7
17	KDI - 1030+	7.5	10	100	100	415	-	-		32.0	31.0	29.7	28.3	27.0	25.2	23.5	21.0	18.0	13.5	-	-	-	-	-	-	-	-
18	KDI - 1040+	7.5	10	80	65	415	-	-	23.5	23.0	22.6	22.2	21.5	20.9	20.3	19.5	18.7	17.9	17.0	15.8	14.6	13.4	12.0	9.6	-	-
19	KDI - 1331+	9.3	12.5	100	100	415	-	-	37.5	36.5	35.5	34.5	33.4	32.0	30.5	28.5	26.5	23.8	19.8	12.0	-	-	-	-	-	-	-
20	KDI - 1537+	11.0	15	100	100	415	-	-	39.0	38.5	38.0	37.2	36.5	35.5	34.5	33.0	31.6	30.0	27.8	25.0	22.0	17.5	-	-	-	-	-
							14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	52	54	
21	KDI - 550++	3.7	5	50	40	415	-	-	-	-	-	-	-	-	-	-	-	4.1	3.9	3.7	3.5	3.3	3.0	2.7	2.0	-	
22	KDI - 852++	5.5	7.5	65	50	415	-	-	-	-	-	-	-	-	-	8.6	8.3	8.0	7.75	7.4	7.1	6.7	6.3	5.9	4.5	-	
23	KDI - 1050+	7.5	10	65	65	415	-	-	-	-	-	-	12.7	12.5	12.2	12.0	11.7	11.4	11.0	10.7	10.2	9.6	8.9	8.1	6.0	-	
24	KDI - 1348+	9.3	12.5	80	65	415	-	-	-	19.5	19.2	18.8	18.5	18.1	17.6	17.2	16.6	15.9	15.1	14.3	13.2	11.9	10.2	6.5	-	-	
25	KDI - 1555+	11.0	15	80	65	415	-	-	-	-	19.75	19.7	19.6	19.5	19.4	19.2	18.8	18.5	18.0	17.4	16.7	16.0	15.0	14.2	12.2	10.5	
26	KDI - 2050+	15.0	20	100	80	415	35.0	34.2	33.8	33.0	32.2	31.7	30.8	30.1	29.5	28.8	28.0	27.0	26.0	25.0	24.0	22.5	21.0	19.4	13.5	-	
							18	22	26	28	30	32	34	36	40	44	46	48	52	56	60	64	68	72	76	80	
27	KDI - 1065+	7.5	10	65	50	415	-	-	-	-	-	-	-	-	7.8	7.3	7.1	6.9	6.4	5.8	5.1	4.3	3.0	-	-	-	
28	KDI - 1360+	9.3	12.5	65	50	415	12.9	12.7	12.5	12.4	12.3	12.2	12.0	11.7	11.3	10.7	10.4	10.0	9.1	8.3	7.0	4.5	-	-	-	-	
29	KDI - 1570+	11.0	15	65	50	415	-	-	-	13.2	13.1	13.0	12.9	12.8	12.5	12.0	11.8	11.5	10.7	10.0	9.0	8.0	6.5	-	-	-	
30	KDI - 1575+	11.0	15	65	50	415	-	-	-	-	-	-	-	-	-	-	-	-	8.0	7.7	7.3	6.9	6.4	5.8	4.9	3.4	
31	KDI - 2560+	18.5	25	100	80	415	-	-	-	-	-	-	-	-	-	26.0	24.7	23.5	21.0	17.0	7.0	-	-	-	-	-	
32	KDI - 3068+	22.0	30	100	80	415	-	-	-	-	-	-	-	-	-	-	-	28.0	26.5	24.5	21.5	17.5	10.0	-	-	-	

Note:

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



Enriching Lives

KDS/GMC

THREE PHASE
MONOBLOC PUMP

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 variation from 300 to 440 volts and reduces motor burning in case of low/high voltage.

Designed to Prevent Overloading
Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost saving 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 vibration protects the components from damage during the operation, 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 ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

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	-	Up to 80 Metres
Discharge Range	-	Up to 49 LPS
Power Rating	-	0.37 to 22 kW (0.5 to 30 HP)
Voltage Range	-	300 to 440 Volts (Three Phase)
Insulation	-	B Class (Up to 7.5 HP) / F Class (above 7.5 HP)
Protection	-	IP44 / IP55

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	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 PUMP, 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																		
							6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																			
1	KDS - 0510+	0.37	0.5	50	40	415	3.4	2.6	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	GMC - 112	0.75	1.0	50	50	415	6.5	5.4	4.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	GMC - 116	0.75	1.0	50	40	415	5.4	5.0	4.6	4.2	3.6	3.0	1.9	-	-	-	-	-	-	-	-	-	-	-	-
4	GMC - 123	0.75	1.0	32	25	415	-	-	4.1	3.6	3.2	2.7	2.2	1.7	0.9	-	-	-	-	-	-	-	-	-	-	-
5	GMC - 128	0.75	1.0	40	40	415	-	-	-	1.9	1.85	1.8	1.7	1.6	1.4	1.1	0.8	0.4	-	-	-	-	-	-	-	-
6	GMC - 128	0.75	1.0	50	40	415	-	-	-	1.9	1.85	1.8	1.7	1.6	1.4	1.1	0.8	0.4	-	-	-	-	-	-	-	-
7	GMC - 134	0.75	1.0	25	25	415	-	-	-	-	-	1.78	1.76	1.73	1.67	1.55	1.35	1.1	0.8	0.4	-	-	-	-	-	-
8	GMC - 1.514	1.1	1.5	50	50	415	-	8.5	7.1	5.7	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	GMC - 1.522	1.1	1.5	50	40	415	-	6.3	5.9	5.5	5.0	4.5	3.9	3.1	1.8	-	-	-	-	-	-	-	-	-	-	-
10	GMC - 1.525	1.1	1.5	50	40	415	2.6	2.55	2.5	2.45	2.4	2.3	2.2	2.1	2.0	1.8	1.6	1.3	0.4	-	-	-	-	-	-	-
11	GMC - 1.540	1.1	1.5	32	25	415	-	-	-	-	-	-	-	-	2.0	1.9	1.7	1.6	1.45	1.3	1.1	0.9	0.6	-	-	-
12	KDS - 212+	1.5	2.0	80	80	415	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	KDS - 216++	1.5	2.0	65	50	415	-	11.0	10.1	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	KDS - 225++	1.5	2.0	50	40	415	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	2.3	-	-	-	-	-	-	-	-	-
15	KDS - 235+	1.5	2.0	50	40	415	-	-	4.1	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.7	2.4	2.0	1.3	-	-	-	-	-	-
16	KDS - 314+	2.2	3.0	80	80	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	KDS - 314+	2.2	3.0	100	100	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	KDS - 318++	2.2	3.0	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-	-	-
19	KDS - 318++	2.2	3.0	65	50	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-	-	-
20	KDS - 325++	2.2	3.0	65	50	415	-	-	9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9	-	-	-	-	-	-	-	-	-
21	KDS - 335++	2.2	3.0	50	40	415	-	-	-	5.05	4.9	4.8	4.6	4.5	4.35	4.2	4.0	3.8	3.5	3.2	2.7	2.0	-	-	-	-
22	KDS - 515+	3.7	5.0	100	100	400	33.0	30.5	28.0	24.0	19.0	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	KDS - 520+	3.7	5.0	80	80	400	-	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0	-	-	-	-	-	-	-	-	-	-	-
24	KDS - 527++	3.7	5.0	80	65	400	-	-	-	-	-	14.3	13.5	12.5	11.6	10.4	8.7	6.4	-	-	-	-	-	-	-	-
25	KDS - 538+	3.7	5.0	65	50	400	9.0	8.9	8.85	8.8	8.7	8.6	8.55	8.45	8.35	8.25	8.1	7.9	7.6	7.1	6.6	6.0	5.1	4.0	-	-
26	KDS - 822++	5.5	7.5	100	100	400	-	-	-	27.3	25.6	24.0	22.1	20.0	17.5	14.5	-	-	-	-	-	-	-	-	-	-
27	KDS - 830++	5.5	7.5	80	65	400	-	-	-	-	-	19.0	18.2	17.3	16.4	15.3	14.2	12.7	11.1	-	-	-	-	-	-	-
28	KDS - 837+	5.5	7.5	65	65	400	-	-	-	-	-	-	-	-	12.75	12.6	12.5	12.2	11.8	11.1	10.3	9.0	7.3	-	-	-
29	KDS - 844++	5.5	7.5	65	65	400	-	-	-	-	-	-	-	-	-	-	10.6	10.2	9.9	9.5	9.0	8.4	7.8	7.0	6.1	4.7
30	KDS - 1030+	7.5	10.0	100	100	415	-	-	-	32.0	31.0	29.7	28.3	27.0	25.2	23.5	21.0	18.0	13.5	-	-	-	-	-	-	-
31	KDS - 1040+	7.5	10.0	80	65	415	-	-	23.5	23.0	22.6	22.2	21.5	20.9	20.3	19.5	18.7	17.9	17.0	15.8	14.6	13.4	12.0	9.6	-	-
32	KDS - 1331+	9.3	12.5	100	100	415	-	-	37.5	36.5	35.5	34.5	33.4	32.0	30.5	28.5	26.5	23.8	19.8	12.0	-	-	-	-	-	-
33	KDS - 1537+	11.0	15.0	100	100	415	-	-	39.0	38.5	38.0	37.2	36.5	35.5	34.5	33.0	31.6	30.0	27.8	25.0	22.0	17.5	-	-	-	-
34	KDS - 2030+	15.0	20.0	125	125	415	-	-	-	-	-	49.0	47.0	45.0	42.0	39.0	35.0	30.0	21.0	-	-	-	-	-	-	-

Note:

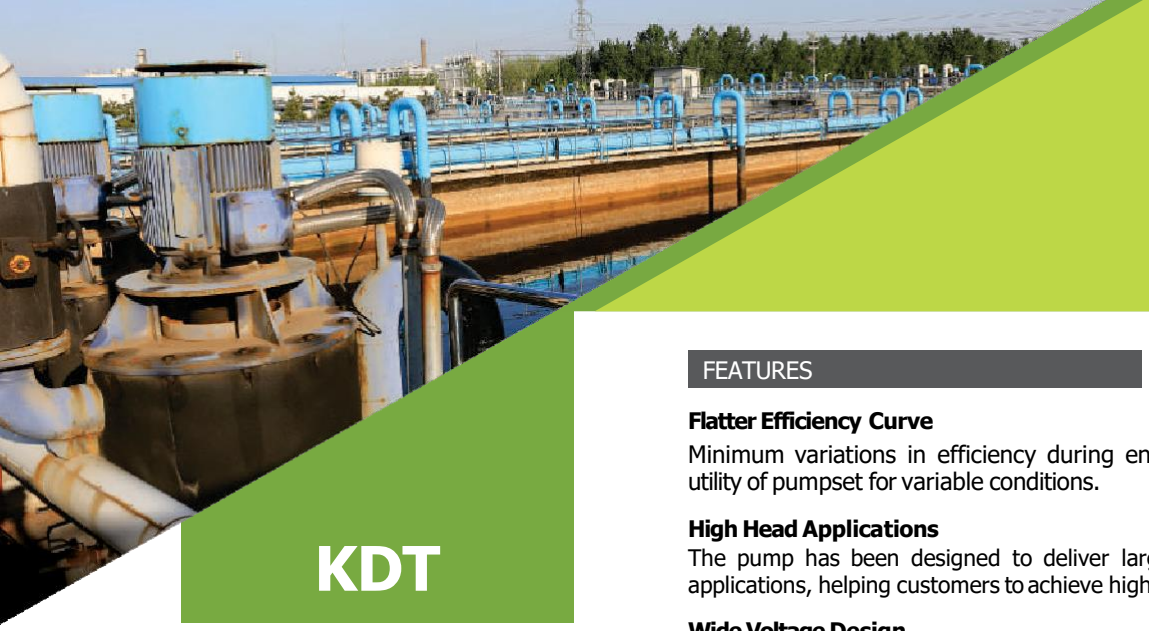
- All the pump set from 0.5 HP to 1.5 HP in mechanical seal arrangement and 2.0 HP to 20.0 HP in Gland pack arrangement except KDS - 212+ which is supplied only in mechanical seal arrangement.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

PERFORMANCE CHART FOR'KDS+/KDS++/GMC' SERIES, 2 POLE, MONOBLOC PUMP, 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	38	40	42	44	46	48	52	54
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																		
35	**KDS - 550++**	3.7	5	50	40	400	-	-	-	-	-	-	-	-	-	-	-	4.1	3.9	3.7	3.5	3.3	3.0	2.7	2	-
36	**KDS - 852++**	5.5	7.5	65	50	400	-	-	-	-	-	-	-	-	-	8.6	8.3	8.0	7.75	7.4	7.1	6.7	6.3	5.9	4.5	-
37	**KDS - 1050+**	7.5	10	65	65	415	-	-	-	-	-	-	12.7	12.5	12.2	12.0	11.7	11.4	11.0	10.7	10.2	9.6	8.9	8.1	6.0	-
38	**KDS - 1348+**	9.3	12.5	80	65	415	-	-	-	19.5	19.2	18.8	18.5	18.1	17.6	17.2	16.6	15.9	15.1	14.3	13.0	11.9	10.2	6.5	-	-
39	**KDS - 1555+**	11.0	15	80	65	415	-	-	-	-	19.75	19.7	19.6	19.5	19.4	19.2	18.8	18.5	18.0	17.4	16.7	16.0	15.0	14.2	12.2	10.5
40	**KDS - 2050+**	15.0	20	100	80	415	35.0	34.2	33.8	33.0	32.2	31.7	30.8	30.1	29.5	28.8	28.0	27.0	26.0	25.0	24.0	22.5	21.0	19.4	13.5	-

PERFORMANCE CHART FOR'KDS+/KDS++/GMC' SERIES, 2 POLE, MONOBLOC PUMP, 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	46	48	52	56	60	64	68	72	76	80
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																		
41	**KDS - 1065++**	7.5	10	65	50	415	-	-	-	-	-	-	-	-	7.8	7.3	7.1	6.9	6.4	5.8	5.1	4.3	3.0	-	-	-
42	**KDS - 1360+**	9.3	12.5	65	50	415	12.9	12.7	12.5	12.4	12.3	12.2	12.0	11.7	11.3	10.7	10.4	10.0	9.1	8.3	7.0	4.5	-	-	-	-
43	**KDS - 1570+**	11.0	15.0	65	50	415	-	-	-	13.2	13.1	13.0	12.9	12.8	12.5	12.0	11.8	11.5	10.7	10.0	9.0	8.0	6.5	-	-	-
44	**KDS - 1575+**	11.0	15.0	65	50	415	-	-	-	-	-	-	-	-	-	-	-	-	8.0	7.7	7.3	6.9	6.4	5.8	4.9	3.4
45	**KDS - 2560+**	18.5	25.0	100	80	415	-	-	-	-	-	-	-	-	-	26.0	24.7	23.5	21.0	17.0	7.0	-	-	-	-	-
46	**KDS - 3068+**	22.0	30.0	100	80	415	-	-	-	-	-	-	-	-	-	-	-	28.0	26.5	24.5	21.5	17.5	10.0	-	-	-

Note:

- All the pump set from 0.5 HP to 1.5 HP in mechanical seal arrangement and 2.0 HP to 20.0 HP in Gland pack arrangement except KDS - 212+ which is supplied only in mechanical seal arrangement.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.



Enriching Lives

KDT

THREE PHASE
MONOBLOC PUMP

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 Variation from 300 to 440 volts and reduces motor burning in case of low/high voltage.

Designed to Prevent Overloading

Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost saving 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 vibration protects the components from damage during the operation, 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 ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

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	-	Up to 110 Metres
Discharge Range	-	Up to 20 LPS
Power Rating	-	3.7 to 15 kW (5 to 20 HP)
Voltage Range	-	300 to 440 Volts (Three Phase)
Insulation	-	B / F Class
Protection	-	IP44 / IP55

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, 50Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																				
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES													
							24	28	32	36	40	44	48	52	56	60	64	68	72	76
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND													
1	KDT - 544	3.7	5	65	50	400	7.3	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	12.6	11.8	10.9	10.0	9.0	7.5	5.2	-	-	-	-	-	-	-
4	KDT - 864+	5.5	7.5	65	50	400	-	-	7.6	7.25	6.9	6.5	6.1	5.6	5.0	4.2	2.8	-	-	-
5	KDT - 1050+	7.5	10	80	65	415	14.3	13.8	13.1	12.4	11.5	10.5	9.2	7.8	-	-	-	-	-	-
6	KDT - 1078+	7.5	10	65	50	415	-	-	-	8.3	8.0	7.7	7.4	7.1	6.7	6.2	5.6	5.0	4.0	2.1
7	KDT - 1372+	9.3	12.5	65	65	415	-	-	-	11.5	11.0	10.5	9.8	9.2	8.5	7.8	7.0	6.0	4.7	2.5
8	KDT - 2070+	15	20	80	65	415	-	-	-	-	20.0	19.0	18.2	17.2	16.2	15.0	13.8	12.0	9.2	-
							46	48	52	56	60	64	68	72	76	80	90	94	98	110
9	KDT - 1388+	9.3	12.5	65	50	415	-	-	-	-	7.2	6.9	6.5	6.2	5.8	5.4	3.9	3.0	-	-
10	KDT - 1580+	11	15	65	65	415	11.3	11.1	10.6	10.1	9.5	9.0	8.3	7.7	7.1	6.3	3.2	-	-	-
11	KDT - 1598+	11	15	65	50	415	-	-	-	-	-	-	-	7.4	7.1	6.7	5.7	5.3	4.8	1.8
12	KDT - 2095+	15	20	65	65	415	-	-	-	-	13.0	12.5	12.0	11.5	10.9	10.2	8.0	7.0	5.5	-

Note:

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

Enriching Lives

KS

THREE PHASE
MONOBLOC PUMP

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 variation from 300 to 440 volts and reduces motor burning in case of low/high voltage.

Designed to Prevent Overloading

Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost saving 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 vibration protects the components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

CED Coated Impeller

Resistance to corrosion leading to longer life.

Automatic Air Release

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 22 Metres
Discharge Range	-	Up to 72.5 LPS
Power Rating	-	2.2 to 7.5 kW (3 to 10 HP)
Voltage Range	-	300 to 440 Volts (Three Phase)
Insulation	-	B / F Class
Protection	-	IP44

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, 50Hz 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	10.0	-	-	-	-
3	**KS - 516+**	3.7	5	80	65	415	1420	-	-	-	-	23.7	20.8	17.5	13.20	-	-
4	**KS - 810+**	5.5	7.5	150	150	400	1420	68.0	63.5	55.0	44.0	-	-	-	-	-	-
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	66.6	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:

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

Enriching Lives

SRF

THREE PHASE
MONOBLOC PUMP

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 variation from 300 to 440 volts and reduces motor burning in case of low/high voltage.

Designed to Prevent Overloading
Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost saving 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 vibration protects the components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

CED Coated Impeller
Resistance to corrosion leading to longer life.

Automatic Air Release
Automatically releases air when the pump starts ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

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	-	Up to 94 Metres
Discharge Range	-	Up to 30.9 LPS
Power Rating	-	18.3 to 22 kW (25 to 30 HP)
Voltage Range	-	300 to 440 Volts (Three Phase)
Insulation	-	F Class
Protection	-	IP55

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														
							14	20	26	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	28.0	27.1	26.0	24.8	24.0	23.0	22.0	20.7	19.2	17.6	16.0	14.3	12.0	9.0	-	-	-	-
2	**SRF - 3085**	22	30	100	100	415	30.9	30.1	29.3	28.3	27.6	26.5	25.5	24.0	22.8	21.5	20.0	18.3	17.1	15.6	13.8	11.5	-	-
3	**SRF - 3095**	22	30	100	100	415	-	-	-	-	-	-	-	-	-	-	-	-	-	19.2	17.5	16.0	10.0	6.0

Note:

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

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 variation from 300 to 440 volts and reduces motor burning in case of low/high voltage.

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

Dynamically Balanced Rotating Parts
Minimum vibration protects the components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

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

Easy Maintainable Designs
Easy maintainable design and better interchangeability of components so that 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	-	Up to 38 Metres
Discharge Range	-	Up to 11 LPS
Power Rating	-	0.75 to 1.5 kW (1.0 to 2 HP)
Voltage Range	-	300 to 440 Volts (Three Phase)
Insulation	-	PP
Protection	-	IP68

MATERIAL OF CONSTRUCTION

Impeller	-	Cast Iron / Noryl
Delivery Casing	-	Cast Iron
Motor Body	-	Cast Iron
Pump 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 VOLATGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																				
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS													
							8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECONDS															
1	**KOS - 116M**	0.75	1.0	50	40	415	4.9	4.4	3.9	3.1	1.7	-	-	-	-	-	-	-	-	-	-	-
2	**KOS - 123M**	0.75	1.0	32	25	415	4.8	4.5	4.2	3.8	3.5	3.0	2.4	1.5	-	-	-	-	-	-	-	-
3	**KOS - 134M**	0.75	1.0	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	-	-
4	**KOS - 1.522M**	1.1	1.5	50	40	415	6	5.7	5.3	4.9	4.4	3.6	2.5	-	-	-	-	-	-	-	-	-
5	**KOS - 1.525M**	1.1	1.5	50	40	415	-	-	3.6	3.5	3.4	3.2	2.9	2.7	2.4	2.1	1.7	0.6	-	-	-	-
6	**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
7	**KOS - 216M**	1.5	2.0	65	50	415	11.0	9.9	8.7	6.9	-	-	-	-	-	-	-	-	-	-	-	-
8	**KOS - 225M**	1.5	2.0	50	40	415	-	-	4.8	4.6	4.4	4.2	3.7	3.2	2.5	-	-	-	-	-	-	-
9	**KOS - 235M**	1.5	2.0	50	40	415	-	-	4.4	4.2	4.0	3.8	3.6	3.3	3.0	2.7	2.3	1.7	0.8	-	-	-

Note:

- All models are also available in single phase. expect KOS-235M
- Performance under standard test conditions and may vary on site conditions.
- 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 variation from 200 to 440 volts and reduces motor burning in case of low/high 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 vibration protects the components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

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

Easy Maintainable Designs
Easy maintainable design and better interchangeability of components so that 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	-	Up to 76 Metres
Discharge Range	-	Up to 38 LPS
Power Rating	-	2.2 to 11 kW (3 to 15 HP)
Voltage Range	-	200 to 440 Volts
Insulation	-	PP
Protection	-	IP68

MATERIAL OF CONSTRUCTION

Impeller	-	Cast Iron
Delivery Casing	-	Cast Iron
Motor Body	-	Cast Iron
Pump 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 PUMP, 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															
							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	15.2	13.6	10.8	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	-	-	-	-	-	6.5	6.4	6.2	6.0	5.7	5.1	4.6	4.0	3.0	2.2	-	-
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	16.2	15.7	15.0	14.4	13.6	12.8	12.0	10.8	9.6	8.4	6.0	-	-	-	-	-	-
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	25.0	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	-	-	-	-	38.0	37.2	36.8	36.0	34.5	33.0	30.5	28.0	25.0	21.0	15.0	-	-
							22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54
13	KOS - 538	3.7	5	65	50	380	8.8	8.3	7.8	7.2	6.6	6.0	5.0	4.0			-	-	-	-	-	-	-
14	KOS - 550	3.7	5	50	40	380	-	-	-	-	-	-	4.5	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	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	-	22.7	22.5	22.1	22.0	21.5	21.0	20.5	19.8	18.5	17.5	16.5	15.2	14.0	13.0	11.5	7.5
							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	-	-	-	-	-	7.4	7.0	6.5	6.0	5.4	4.8	3.5	-	-	-	-	-

Note:

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

Enriching Lives

INDUSTRIAL
PRODUCT RANGE

SELF PRIMING SEWAGE / DEWATERING PUMPS

Enriching Lives

SP COUPLED SET

ENERGY EFFICIENT
PUMPSET WITH IE5 MOTOR

Ultra Premium Efficiency IE5 Motor

FEATURES

Ultra Premium Efficiency
Lower life cycle cost with lower operating cost.

Higher Specific Discharge (discharge rate per unit power)
Up to 16.5% less energy consumption for pumping same amount of fluid.

High grade F-Class insulation with Temperature rise limited to B-Class#
Robust design to withstand higher temperatures reducing the chances of motor burning and ensures the reliability, safety and enhanced life.

High Efficiencies Achieved with AC Induction Motor Design
Rugged and most suited to work under varied field conditions. Easy to operate, maintain and service at local levels as there is no use of permanent magnets / added accessories/control equipment.

CED Coated Impeller
Resistance to corrosion leading to longer life.

Optimum Fan and Fan Cover Design
Designed for optimum cooling with minimum power consumption and quiet operation.

Self-priming
No need of foot valve and priming pump set every time resulting into quicker start up time.

Non-clog Impeller
Non-clog impeller to handle suspended soft solids up to 10.5 mm in size making it suitable for waste water, sewage and dewatering applications.

Dynamically Balanced Rotating Parts
Minimum vibration protects the components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

 # For selected models only

TECHNICAL SPECIFICATION

Head Range	-	Up to 32 Metres
Discharge Range	-	Up to 10 LPS
Power Rating	-	0.75 to 3.7 kW (1 to 5 HP)
Voltage range	-	415±10%
Insulation	-	F Class
Protection	-	IP55

MATERIAL OF CONSTRUCTION

Impeller	-	Cast Iron / Stainless Steel / Bronze
Delivery Casing	-	Cast Iron
Motor Body	-	Cast Iron
Pump Shaft	-	Carbon Steel / Stainless Steel
Shaft sleeve	-	Stainless Steel
Sealing	-	Gland Packed / Mechanical Seal with HNBR which can withstand fluid temperature up to 120°C

APPLICATIONS

- Handling light chemicals, effluents, sewage, ashwater, etc.
- Flood / Rain water handling
- Draining foundations, trenches and pits
- Pumping water from docks, ports, vessels
- Draining accumulated water from basements, Road, highways, parking lots, etc.
- Cooling water for marine engines, shovels and piling equipment.

PERFORMANCE CHART FOR SP SERIES, SELF PRIMING,COUPLED SET WITH ENERGY EFFICIENT IE5 MOTORS AT RATED RPM, THREE PHASE A.C. POWER SUPPLY																								
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	Impeller Dia. (mm)	Solid Handling Size (mm)	Rated Speed (RPM)	TOTAL HEAD IN METRES														
		kW	HP	SUC.	DEL.					6	8	10	12	14	15	16	17	18	19	20	22	24	25
										DISCHARGE IN LITRES PER SECOND													
1	**SP - 0**	0.75	1.0	40	40	415	116	7.0	2760	4.6	4.1	3.5	2.6	1.5	0.7	-	-	-	-	-	-	-	-
2	**SP - 1H**	1.5	2.0	40	40	415	134	8.5	2900	-	-	6.3	5.6	4.8	4.5	3.9	3.4	2.7	1.9	-	-	-	-
3	**SP - 2H**	2.2	3.0	50	50	415	145	10.5	2900	-	-	9.2	8.7	8.1	7.8	7.3	6.9	6.5	6.0	5.4	4.2	2.6	1.8
										20	**22**	**23**	**24**	**26**	**28**	**30**	**32**	**34**	**36**	**38**	**40**	**42**	**43**
4	**SP - 3A**	3.7	5.0	80	80	415	174	7.0	2900	10.1	9.1	8.7	8.0	6.8	5.2	3.7	1.9	-	-	-	-	-	-

Note:

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

Enriching Lives

SP COUPLED SET

ENERGY EFFICIENT
PUMPSET WITH IE4 MOTOR

Premium Efficiency IE4 Motor

FEATURES

Premium Efficiency
Lower life cycle cost with lower operating cost.

High grade F-Class insulation with Temperature rise limited to B-Class #
Robust design to withstand higher temperatures reducing the chances of motor burning and ensures the reliability, safety and enhanced life.

High Efficiencies Achieved with AC Induction Motor Design
Rugged and most suited to work under varied field conditions. Easy to operate, maintain and service at local levels as there is no use of permanent magnets/added accessories/control equipment.

Higher Specific Discharge (discharge rate per unit power)
Up to 14% less energy consumption for pumping same amount of fluid.

CED Coated Impeller
Resistance to corrosion leading to longer life.

Optimum Fan and Fan Cover Design
Designed for optimum cooling with minimum power consumption and quiet operation.

Self-priming
No need of foot valve and priming pump set every time resulting into quicker start up time.

Non-clog Impeller
Non-clog impeller to handle suspended soft solids up to 34 mm in size making it suitable for waste water, sewage and dewatering applications.

Dynamically Balanced Rotating Parts
Minimum vibration protects the components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

 # For selected models only

TECHNICAL SPECIFICATION

Head Range	-	Up to 36 Metres
Discharge Range	-	Up to 66.5 LPS
Power Rating	-	0.75 to 15 kW (1 to 20 HP)
Voltage range	-	415±10%
Insulation	-	F Class
Protection	-	IP55

MATERIAL OF CONSTRUCTION

Impeller	-	Cast Iron / Stainless Steel / Bronze
Delivery Casing	-	Cast Iron
Motor Body	-	Cast Iron
Pump Shaft	-	Carbon Steel / Stainless Steel
Shaft sleeve	-	Stainless Steel
Sealing	-	Gland Packed / Mechanical Seal with HNBR which can withstand fluid temperature up to 120°C

APPLICATIONS

- Handling light chemicals, effluents, sewage, ashwater, etc.
- Flood / Rain water handling
- Draining foundations, trenches and pits
- Pumping water from docks, ports, vessels
- Draining accumulated water from basements, Road, highways, parking lots, etc.
- Cooling water for marine engines, shovels and piling equipment.

PERFORMANCE CHART FOR SP SERIES, SELF PRIMING,COUPLED SET WITH ENERGY EFFICIENT IE4 MOTORS AT RATED RPM, THREE PHASE A.C. POWER SUPPLY																									
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	Impeller Dia. (mm)	Solid Handling Size (mm)	Rated Speed (RPM)	TOTAL HEAD IN METRES															
		kW	HP	SUC.	DEL.					6	8	10	12	14	15	16	17	18	19	20	22	24	25	26	
										DISCHARGE IN LITRES PER SECOND															
1	SP - 0	0.75	1.0	40	40	415	116	7.0	2760	4.6	4.1	3.5	2.6	1.5	0.7	-	-	-	-	-	-	-	-	-	
2	SP - 1H	1.5	2.0	40	40	415	134	8.5	2900	-	-	6.3	5.6	4.8	4.5	3.9	3.4	2.7	1.9	-	-	-	-	-	
3	SP - 2H	2.2	3.0	50	50	415	145	10.5	2900	-	-	9.2	8.7	8.1	7.8	7.3	6.9	6.5	6.0	5.4	4.2	2.6	1.8	-	
4	SP - 3L+	3.7	5.0	80	80	415	224	15.5	1450	-	-	18.0	16.4	13.5	11.5	9.8	7.8	5.5	2.7	-	-	-	-	-	
5	SP - 4LA+	7.5	10	100	100	415	292	18.5	1450	-	-	36.0	33.6	31.3	30.0	28.5	27.0	25.5	24.0	22.0	18.0	12.0	7.0	-	
6	SP - 4L+	9.3	12.5	100	100	415	292	23.0	1450	-	-	41.0	39.0	36.5	35.0	33.5	32.0	30.0	28.0	26.1	22.0	16.8	13.7	10.0	
7	SP - 6LA	15.0	20.0	150	150	415	296	34.0	1450	-	-	66.5	63.4	60.0	57.5	55.0	52.5	49.0	45.0	42.0	34.3	24.0	16.0	-	
										20	22	23	24	26	28	30	32	34	36	38	40	42	43	44	
8	SP - 3A	3.7	5.0	80	80	415	174	7.0	2900	10.1	9.1	8.7	8.0	6.8	5.2	3.7	1.9	-	-	-	-	-	-	-	
9	SP - 3	5.5	7.5	80	80	415	174	14.5	2900	16.4	16.2	15.9	15.4	14.0	12.4	10.5	8.0	5.5	3.0	-	-	-	-	-	

Note:

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

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 it does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost saving due to low maintenance and breakdown.

Dynamically Balanced Rotating Parts
Minimum vibration protects the components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

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

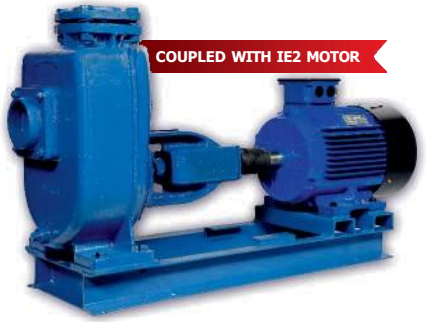
Easy Maintainable Designs
Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

CED Coated Impeller
Resistance to corrosion leading to longer life.

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

SP M



SP COUPLED

With Energy Efficient IE2 Motor

TECHNICAL SPECIFICATION

		SP BARE SHAFT/MOTOR COUPLED	SP MONOBLOC
Head Range	-	Up to 44 Metres	Up to 24 Metres
Discharge Range	-	Up to 80 LPS	Up to 17.5 LPS
Power Rating	-	0.75 to 18.7 kW (1 to 25 HP) Motor Coupled*	0.37 to 3.7 kW (0.5 to 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	-	IP55	IP44 / IP55

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
Delivery Casing	-	Cast Iron	Cast Iron	Cast Iron
Motor Body	-	-	Cast Iron	Cast Iron
Shaft	-	Carbon Steel / Stainless Steel	Carbon Steel / Stainless Steel	Carbon Steel / Stainless Steel
Shaft Sleeve	-	Stainless Steel	Stainless Steel	Stainless Steel
Sealing	-	Gland Packed / Mechanical Seal	Gland Packed / Mechanical Seal	Gland Packed / Mechanical Seal

PERFORMANCE CHART FOR SP SERIES, SELF PRIMING, BARE /COUPLED SET WITH ENERGY EFFICIENT IE2 MOTORS AT RATED RPM, THREE PHASE A.C. POWER SUPPLY																										
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	Impeller Dia. (mm)	Solid Handling Size (mm)	Rated Speed (RPM)	TOTAL HEAD IN METRES																
		kW	HP	SUC.	DEL.					6	8	10	12	14	15	16	17	18	19	20	22	24	25	26	
										DISCHARGE IN LITRES PER SECOND															
1	**SP - 0**	0.75	1.0	40	40	415	116	7.0	2760	4.6	4.1	3.5	2.6	1.5	0.7	-	-	-	-	-	-	-	-	-	
2	**SP - 1H**	1.5	2.0	40	40	415	134	8.5	2900	-	-	6.3	5.6	4.8	4.5	3.9	3.4	2.7	1.9	-	-	-	-	-	
3	**SP - 2H**	2.2	3.0	50	50	415	145	10.5	2900	-	-	9.2	8.7	8.1	7.8	7.3	6.9	6.5	6.0	5.4	4.2	2.6	1.8	-	
4	**SP - 3L++**	3.7	5.0	80	80	415	224	15.5	1450	-	-	18.0	16.4	13.5	11.5	9.8	7.8	5.5	2.7	-	-	-	-	-	
5	**SP - 4LA+**	7.5	10	100	100	415	292	18.5	1450	-	-	36.0	33.6	31.3	30.0	28.5	27.0	25.5	24.0	22.0	18.0	12.0	7.0	-	
6	**SP - 4L+**	9.3	12.5	100	100	415	292	23.0	1450	-	-	41.0	39.0	36.5	35.0	33.5	32.0	30.0	28.0	26.1	22.0	16.8	13.7	10.0	
7	**SP - 6LA**	15.0	20.0	150	150	415	296	34.0	1450	-	-	66.5	63.4	60.0	57.5	55.0	52.5	49.0	45.0	42.0	34.3	24.0	16.0	-	
8	**SP - 6L**	18.7	25.0	150	150	415	296	40.0	1450	-	-	75.0	72.5	68.7	66.2	64.0	61.3	58.5	55.0	52.0	44.5	34.0	27.5	20.0	
9	**SP - 8LA**	11.0	15.0	200	200	415	240	60.0	1450	-	80.0	72.0	60.0	32.0	20.0	-	-	-	-	-	-	-	-	-	
										20	**22**	**23**	**24**	**26**	**28**	**30**	**32**	**34**	**36**	**38**	**40**	**42**	**43**	**44**	
10	**SP - 3A**	3.7	5.0	80	80	415	174	7.0	2900	10.1	9.1	8.7	8.0	6.8	5.2	3.7	1.9	-	-	-	-	-	-	-	
11	**SP - 3**	5.5	7.5	80	80	415	174	14.5	2900	16.4	16.2	15.9	15.4	14.0	12.4	10.5	8.0	5.5	3.0	-	-	-	-	-	
12	**SP - 3HH**	9.3	11.0	80	80	415	194	14.5	2900	-	-	-	19.0	18.6	18.0	17.3	16.5	15.0	12.8	10.6	8.6	6.8	6.0	4.9	

Note:

- SP-8LA, SP-3HH Pump is supplied with Bare Shaft Arrangement Only.
- SP COUPLED SET with IE4 Motor is available upto 20.0 HP.
- SP COUPLED SET with IE5 Motor is available upto 5.0 HP with 2 Pole Motor Only.
- Performance under standard test conditions and may vary on site conditions.
- 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		Pipe Size (mm)		Rated Voltage (Volts)	Impeller Dia. (mm)	Solid Handling Size (mm)	Rated Speed (RPM)	TOTAL HEAD IN METERS													
										6	8	10	12	14	15	16	17	18	19	20	22	24	
		kW	HP	SUC.	DEL.					DISCHARGE IN LITRES PER SECOND													
1	SP - 05M*	0.37	0.5	40	40	210/415	116	5.0	2700	3.1	2.6	2.1	1.2	-	-	-	-	-	-	-	-	-	
2	SP - 0M*	0.75	1.0	40	40	210/415	116	7.0	2700	4.4	3.9	3.2	2.25	1.0	-	-	-	-	-	-	-	-	
3	SP - 1HM	1.5	2.0	40	40	415	134	8.5	2800	-	-	5.9	5.1	4.25	3.7	3.1	2.4	1.5	-	-	-	-	
4	SP - 2HM	2.2	3.0	50	50	415	145	10.5	2800	-	-	8.7	8.1	7.4	7.0	6.5	6.1	5.5	5.0	4.3	3.0	1.0	
5	SP - 3L++M	3.7	5.0	80	80	415	224	15.5	1420	-	-	17.5	15.5	12.5	10.5	8.5	6.0	3.5	-	-	-	-	

Note:

- SP-05M and SP-0M 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 under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

PERFORMANCE CHART FOR SP SERIES, SELF PRIMING, ENGINE COUPLED SET AT RATED VOLTAGE																					
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Impeller Dia. (mm)	Solid Handling Size (mm)	Rated Speed (RPM)	TOTAL HEAD IN METERS												
									10	12	14	15	16	18	19	20	22	24	25	26	28
		kW	HP	SUC.	DEL.				DISCHARGE IN LITRES PER SECOND												
1	SP - 3L++	4.0	6.0	80	80	224	15.5	1500	-	17.6	15.5	14.0	12.4	8.2	5.9	3.5	-	-	-	-	-
2	SP - 3L++	9.0	12.0	80	80	224	15.5	1800	-	-	-	-	21.7	20.5	19.8	18.8	16.3	13.1	11.3	9.5	5.8
3	SP - 4LA+	9.0	12.0	100	100	292	18.5	1500	-	36.2	33.9	32.6	31.1	28.2	26.7	25.0	21.5	17.2	14.8	11.9	-
4	SP - 4L+	10.5	14.0	100	100	292	23.0	1500	-	41.5	39.1	38.0	36.7	33.8	32.0	30.2	26.1	21.5	18.8	16.0	9.9
5	SP - 6LA	16.5	22.0	150	150	296	34.0	1500	69.0	66.6	63.5	61.7	59.6	54.0	51.0	48.0	41.0	33.0	28.5	22.5	-
6	SP - 6L	19.5	26.0	150	150	296	40.0	1500	-	76.0	73.0	71.0	69.0	64.0	61.0	57.5	50.0	43.5	38.8	33.5	18.0

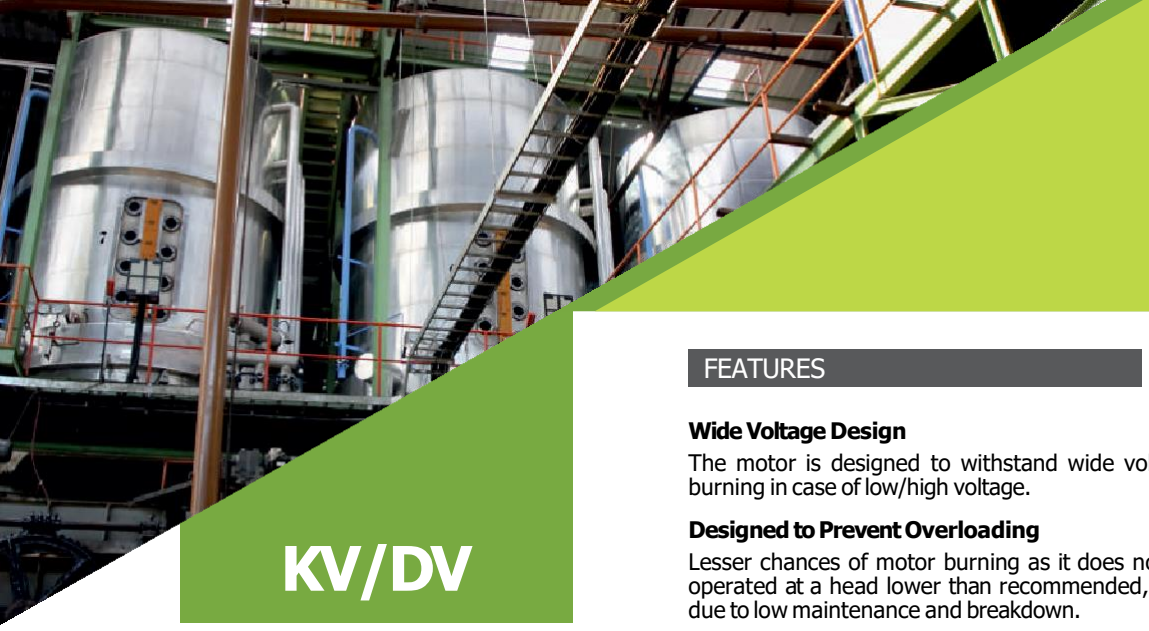
Note:

- In Engine coupled set bare shaft pump is only in the scope of KBL.
- Performance under standard test conditions and may vary on site conditions.
- 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 TYPE

KV

DV

FEATURES

Wide Voltage Design

The motor is designed to withstand wide voltage variation which reduces motor burning in case of low/high voltage.

Designed to Prevent Overloading

Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost saving 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 vibration protect components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

TECHNICAL SPECIFICATION

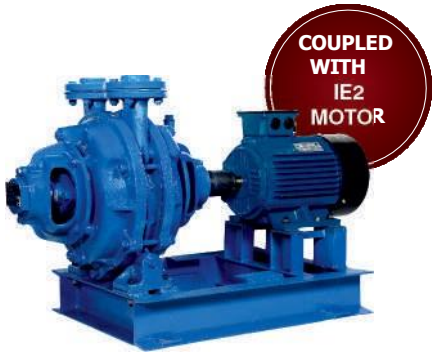
		KV	DV
Vacuum	-	Up to 600 mm of mercury	Up to 600 mm of mercury
Air Flow Rate	-	Up to 55 m^3/hr (at mean sea level)	Up to 162 m^3/hr (at mean sea level)
Power Rating	-	0.75 to 2.2 kW (1 to 3 HP)	3.7 to 7.5 kW (5 to 10 HP)
Voltage Range	-	180 to 240 Volts (Single Phase) 300 to 440 Volts (Three Phase)	375 to 455 Volts (Three Phase)
Insulation	-	B Class	F Class
Protection	-	IP44	IP55

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

Enriching Lives

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)	Max Vacuum Developed (mm of Hg)	Rated Speed (RPM)	VACUUM IN MM OF MERCURY						
									0	100	200	300	400	500	600
		kW	HP	SUC.	DEL.				AIR FLOW RATE IN CUBIC METRES PER HOUR						
1	**KV - 20 Monobloc**	0.75	1.0	20	20	210/415	650	2700	20.4	18.0	14.5	11.3	8.1	5.1	1.8
2	**KV - 30 Monobloc**	2.2	3.0	32	32	415	660	2840	55.0	46.5	38.0	30.0	21.0	13.0	5.0
3	**DV - 40 Coupled Set / Bare Pump***	3.7	5.0	40	40	415	635	1450	73.8	65.0	56.0	45.0	34.0	21.0	6.0
4	**DV - 50 Coupled Set / Bare Pump***	7.5	10.0	50	50	415	630	1450	162.0	138.0	113.0	90.0	68.0	43.0	11.0

Note:

- KV-20 is also available in Single Phase. Performance applicablle for air at NTP based on employment of clear water at 30° C as working fluid.
- * Coupled sets with Energy Efficient IE2 motors.

Enriching Lives

INDUSTRIAL
PRODUCT RANGE

VERTICAL MULTISTAGE INLINE PUMPS

Enriching Lives

KVM

VERTICAL
MULTI STAGE PUMPS

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 variation which reduces motor burning in case of low/high voltage.

Light-weight
Easy handling and 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 capacity, zero leakage and lower friction loss. This protects the shaft from wear and tear thus ensuring easy maintenance without opening the pump for a longer life.

TECHNICAL SPECIFICATION

Head Range	- Up to 181 Metres
Discharge Range	- Up to 25 m^3/hr
Power Rating	- 1.1 to 4.5 kW (1.5 to 6 HP)
Voltage Range	- 180 to 240 Volts (Single Phase) 300 to 440 Volts (KVM 2 m^3/hr – 3 phase) 350 to 440 Volts (KVM 4 m^3 /hr – 3 phase) 370 to 440 Volts (KVM 10 & 15 m^3/hr - 3 phase IE2)
Insulation	- F Class
Protection	- IP44/ IP55
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 2 m3/hr 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	1.25	1.39	1.53
		kW	HP	SUC.	DEL.		m3/hr	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5
1	KVM - 2070	1.1	1.5	25	25	10	Total Head in meters	77	75	70	66	60	53	46	38	29	20
2	KVM - 2085	1.1	1.5	25	25	12		93	89	85	79	71	63	54	44	33	22
3	KVM - 2100	1.5	2.0	25	25	14		108	105	100	94	85	76	67	56	44	33
4	KVM - 2115	1.5	2.0	25	25	16		123	120	115	107	97	86	75	63	50	36
5	KVM - 2130	2.2	3.0	25	25	19		152	147	140	132	121	108	94	80	60	42
6	KVM - 2170	2.2	3.0	25	25	23		181	173	165	154	141	126	110	91	70	45

PERFORMANCE CHART FOR KVM 4 m3/hr 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	0.56	0.83	1.11	1.39	1.67	1.94	2.22	2.50
		kW	HP	SUC.	DEL.		m3/hr	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
1	KVM - 4084	2.2	3	32	32	12	Total Head in meters	93	90	86	81	73	65	53	40	25
2	KVM - 4114	3.7	5	32	32	16		127	124	120	114	103	88	72	53	35
3	KVM - 4122	3.7	5.0	32	32	18		142	136	130	122	111	96	80	60	40
4	KVM - 4136	3.7	5.0	32	32	20		160	154	145	135	123	106	87	66	45

PERFORMANCE CHART FOR KVM 10 m3/hr SERIES, 2 POLE, AT RATED VOLTAGE OF 415 VOLTS, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		No of Stages	lps	0.56	1.11	1.67	2.22	2.78	3.33	3.89	4.44	5.00
		kW	HP	SUC.	DEL.		m3/hr	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0
1	KVM - 10078	3.7	5.0	42	42	8	Total Head in meters	89.5	86.5	83	79.5	75	70	63	56	48
2	KVM - 10098	4.5	6.0	42	42	10		114	111	108	103	98	90	82	72	61
3	KVM - 10115	4.5	6.0	42	42	12		138	134	129	123	115	107	98	87	74

PERFORMANCE CHART FOR KVM 15 m3/hr SERIES, 2 POLE, AT RATED VOLTAGE OF 415 VOLTS, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		No of Stages	lps	0.83	1.67	2.50	3.33	4.17	5.00	5.83	6.66	6.94
		kW	HP	SUC.	DEL.		m3/hr	3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0	25.0
1	KVM - 15045	3.7	5.0	65	65	4	Total Head in meters	53.5	52.5	50.5	48	45	40.5	35	29	26
2	KVM - 15072	4.5	6.0	65	65	6		85	82	80	76.5	72	66	59	49	45

Note:

- KVM 10 and KVM 15 Series are supplied with IE2 three phase motor as standard scope of supply and also available in IE4 Motor.
- Above KVM 10 & KVM 15 series are Inline models.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

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 cartridge type mechanical seal with high quality graphite and hard alloy ensures better heat resistance capacity, zero leakage and lower friction loss. This protects the shaft from wear and tear 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 vibration protect components from damage during the operation, 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	- Up to 323 Metres
Discharge Range	- Up to 110 m^3/h
Power Rating	- 0.37 to 45 kW (0.5 to 60 HP)
Voltage Range	- 370 to 440 Volts (Three Phase)
Protection	- IP55
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, 50 HZ FREQUENCY, THREE PHASE A.C. POWER 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

Note:

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

PERFORMANCE CHART FOR KCIL /KSIL PUMPSETS - 2 SERIES, AT RATED VOLTAGE OF 415 VOLTS, 50 HZ FREQUENCY, THREE PHASE A.C. POWER SUPPLY															
S. No.	Pump Model	Power Rating		Pipe Size (mm)		No of Stages	DISCHARGE IN m³/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

Note:

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

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

Note:

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

PERFORMANCE CHART FOR KCIL /KSIL PUMPSETS - 4 SERIES, AT RATED VOLTAGE OF 415 VOLTS, 50 HZ FREQUENCY, THREE PHASE A.C. POWER SUPPLY

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

Note:

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

PERFORMANCE CHART FOR KCIL /KSIL PUMPSETS - 5 SERIES, AT RATED VOLTAGE OF 415 VOLTS, 50 HZ FREQUENCY, THREE PHASE A.C. POWER 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	

Note:

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

PERFORMANCE CHART FOR KCIL /KSIL PUMPSETS - 10 SERIES, AT RATED VOLTAGE OF 415 VOLTS, 50 HZ FREQUENCY, THREE PHASE A.C. POWER 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

Note:

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

PERFORMANCE CHART FOR KCIL /KSIL PUMPSETS - 15 SERIES, AT RATED VOLTAGE OF 415 VOLTS, 50 HZ FREQUENCY, THREE PHASE A.C. POWER SUPPLY													
S. No.	Pump Model	Power Rating		Pipe Size (mm)		No of Stages	DISCHARGE IN m³/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

Note:

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

PERFORMANCE CHART FOR KCIL /KSIL PUMPSETS - 20 SERIES, AT RATED VOLTAGE OF 415 VOLTS, 50 HZ FREQUENCY, THREE PHASE A.C. POWER SUPPLY													
S. No.	Pump Model	Power Rating		Pipe Size (mm)		No of Stages	DISCHARGE IN m³/hr						
		kW	HP	SUC.	DEL.		4	8	12	16	20	24	28
							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

Note:

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

PERFORMANCE CHART FOR KCIL PUMPSETS - 32 SERIES, AT RATED VOLTAGE OF 415 VOLTS, 50 HZ FREQUENCY, THREE PHASE A.C. POWER 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	KCIL32-1-1	1.5	2.0	74	74	1	15	14	13	10	8	5
2	KCIL32-1	2.2	3.0	74	74	1	18	17	16	13	12	9
3	KCIL32-2-2	3.0	4.0	74	74	2	31	30	27	21	18	12
4	KCIL32-2	4.0	5.5	74	74	2	37	36	32	27	25	20
5	KCIL32-3-2	5.5	7.5	74	74	3	50	47	44	37	31	23
6	KCIL32-3	5.5	7.5	74	74	3	56	53	49	44	38	30
7	KCIL32-4-2	7.5	10.0	74	74	4	69	65	60	51	44	32
8	KCIL32-4	7.5	10.0	74	74	4	75	71	66	59	51	40
9	KCIL32-5-2	11.0	15.0	74	74	5	89	85	78	65	59	45
10	KCIL32-5	11.0	15.0	74	74	5	95	90	84	71	65	52
11	KCIL32-6-2	11.0	15.0	74	74	6	107	102	95	80	71	55
12	KCIL32-6	11.0	15.0	74	74	6	113	108	100	86	78	62
13	KCIL32-7-2	15.0	20.0	74	74	7	127	121	112	95	85	67
14	KCIL32-7	15.0	20.0	74	74	7	133	126	118	101	92	74
15	KCIL32-8-2	15.0	20.0	74	74	8	145	138	128	108	98	77
16	KCIL32-8	15.0	20.0	74	74	8	151	144	134	115	104	83
17	KCIL32-9-2	18.5	25.0	74	74	9	165	158	147	124	112	89
18	KCIL32-9	18.5	25.0	74	74	9	171	163	152	131	119	96
19	KCIL32-10-2	18.5	25.0	74	74	10	184	175	163	138	125	99
20	KCIL32-10	18.5	25.0	74	74	10	190	181	169	145	133	106
21	KCIL32-11-2	22.0	30.0	74	74	11	203	194	181	154	140	112
22	KCIL32-11	22.0	30.0	74	74	11	209	200	187	161	147	118
23	KCIL32-12-2	22.0	30.0	74	74	12	222	212	197	168	152	121
24	KCIL32-12	22.0	30.0	74	74	12	227	217	203	176	160	128
25	KCIL32-13-2	30.0	40.0	74	74	13	244	233	218	187	169	136
26	KCIL32-13	30.0	40.0	74	74	13	250	239	224	193	177	145
27	KCIL32-14-2	30.0	40.0	74	74	14	263	251	234	201	183	146
28	KCIL32-14	30.0	40.0	74	74	14	269	258	241	207	188	156

Note:

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

Enriching Lives

PERFORMANCE CHART FOR KCIL PUMPSETS - 45 SERIES, AT RATED VOLTAGE OF 415 VOLTS, 50 HZ FREQUENCY, THREE PHASE A.C. POWER 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	KCIL45-1-1	3.0	4.0	80	80	1	20	20	18	17	15	13	11
2	KCIL45-1	4.0	5.5	80	80	1	24	23	22	21	19	18	15
3	KCIL45-2-2	5.5	7.5	80	80	2	41	39	37	34	31	27	22
4	KCIL45-2	7.5	10.0	80	80	2	49	47	45	42	39	35	31
5	KCIL45-3-2	11.0	15.0	80	80	3	66	64	61	57	52	46	40
6	KCIL45-3	11.0	15.0	80	80	3	74	71	68	64	60	54	48
7	KCIL45-4-2	15.0	20.0	80	80	4	91	88	84	79	72	65	56
8	KCIL45-4	15.0	20.0	80	80	4	99	95	91	86	80	73	64
9	KCIL45-5-2	18.5	25.0	80	80	5	118	113	107	101	93	84	73
10	KCIL45-5	18.5	25.0	80	80	5	122	120	115	108	100	92	81
11	KCIL45-6-2	22.0	30.0	80	80	6	142	137	131	122	113	103	90
12	KCIL45-6	22.0	30.0	80	80	6	149	144	138	130	121	111	98
13	KCIL45-7-2	30.0	40.0	80	80	7	168	163	156	147	135	123	109
14	KCIL45-7	30.0	40.0	80	80	7	176	171	163	155	144	132	116
15	KCIL45-8-2	30.0	40.0	80	80	8	193	187	179	168	155	142	126
16	KCIL45-8	30.0	40.0	80	80	8	200	194	187	176	164	149	134
17	KCIL45-9-2	30.0	40.0	80	80	9	217	211	202	189	174	159	142
18	KCIL45-9	30.0	40.0	80	80	9	226	219	210	199	185	170	151
19	KCIL45-10-2	37.0	50.0	80	80	10	242	236	225	212	196	179	159
20	KCIL45-10	37.0	50.0	80	80	10	251	243	233	220	205	187	166
21	KCIL45-11-2	45.0	60.0	80	80	11	273	264	253	238	222	201	179
22	KCIL45-11	45.0	60.0	80	80	11	281	272	261	246	230	209	187
23	KCIL45-12-2	45.0	60.0	80	80	12	298	289	276	261	242	220	195
24	KCIL45-12	45.0	60.0	80	80	12	306	296	284	268	251	229	204
25	KCIL45-13-2	45.0	60.0	80	80	13	323	313	300	283	263	239	212

Note:

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

PERFORMANCE CHART FOR KCIL PUMPSETS - 64 SERIES, AT RATED VOLTAGE OF 415 VOLTS, 50 HZ FREQUENCY, THREE PHASE A.C. POWER 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	KCIL64-1-1	4.0	5.5	100	100	1	20	19	18	14	12	9	
2	KCIL64-1	5.5	7.5	100	100	1	27	26	24	21	20	17	
3	KCIL64-2-2	7.5	10.0	100	100	2	40	38	36	29	26	19	
4	KCIL64-2-1	11.0	15.0	100	100	2	48	46	43	37	35	29	
5	KCIL64-2	11.0	15.0	100	100	2	55	53	50	44	42	36	
6	KCIL64-3-2	15.0	20.0	100	100	3	68	66	60	53	49	40	
7	KCIL64-3-1	15.0	20.0	100	100	3	76	72	68	60	56	47	
8	KCIL64-3	18.5	25.0	100	100	3	84	80	76	68	64	56	
9	KCIL64-4-2	18.5	25.0	100	100	4	96	93	87	76	68	59	
10	KCIL64-4-1	22.0	30.0	100	100	4	104	100	95	84	79	68	
11	KCIL64-4	22.0	30.0	100	100	4	112	107	102	91	86	75	
12	KCIL64-5-2	30.0	40.0	100	100	5	126	122	115	101	94	81	
13	KCIL64-5-1	30.0	40.0	100	100	5	134	129	122	109	102	88	
14	KCIL64-5	30.0	40.0	100	100	5	141	136	129	116	109	96	
15	KCIL64-6-2	30.0	40.0	100	100	6	154	148	140	124	115	99	
16	KCIL64-6-1	37.0	50.0	100	100	6	162	156	148	132	124	108	
17	KCIL64-6	37.0	50.0	100	100	6	170	163	155	139	131	116	
18	KCIL64-7-2	37.0	50.0	100	100	7	182	176	166	147	138	119	
19	KCIL64-7-1	37.0	50.0	100	100	7	190	183	173	155	145	126	
20	KCIL64-7	45.0	60.0	100	100	7	202	194	184	165	155	136	
21	KCIL64-8-2	45.0	60.0	100	100	8	214	207	196	174	163	140	
22	KCIL64-8-1	45.0	60.0	100	100	8	222	214	203	181	170	148	

Note:

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

PERFORMANCE CHART FOR KCIL PUMPSETS - 90 SERIES, AT RATED VOLTAGE OF 415 VOLTS, 50 HZ FREQUENCY, THREE PHASE A.C. POWER SUPPLY													
S. No.	Pump Model	Power Rating		Pipe Size (mm)		No of Stages	DISCHARGE IN m³/hr						
		kW	HP	SUC.	DEL.		50	60	70	80	90	100	110
							TOTAL HEAD IN METRES						
1	KCIL90-1-1	5.5	7.5	100	100	1	21	20	18	16	14	11	7
2	KCIL90-1	7.5	10.0	100	100	1	26	25	24	22	20	18	14
3	KCIL90-2-2	11.0	15.0	100	100	2	43	41	38	35	30	24	17
4	KCIL90-2	15.0	20.0	100	100	2	55	52	49	46	43	38	32
5	KCIL90-3-2	18.5	25.0	100	100	3	72	68	64	58	52	44	35
6	KCIL90-3	22.0	30.0	100	100	3	85	80	76	71	65	59	51
7	KCIL90-4-2	30.0	40.0	100	100	4	102	97	91	85	76	66	54
8	KCIL90-4	30.0	40.0	100	100	4	114	109	103	96	89	80	69.5
9	KCIL90-5-2	37.0	50.0	100	100	5	131	125	118	109	99	87	72
10	KCIL90-5	37.0	50.0	100	100	5	142	136	129	121	111	101	87
11	KCIL90-6-2	45.0	60.0	100	100	6	161	154	145	135	123	108	92
12	KCIL90-6	45.0	60.0	100	100	6	175	166	156	146	135	123	108

Note:

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

Enriching Lives

INDUSTRIAL
PRODUCT RANGE

STAINLESS STEEL MONOBLOC PUMP

Enriching Lives

AGNES

HORIZONTAL MULTISTAGE PUMP

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 55 Meters
Discharge Range	-	Up to 12 m3/h
Power Rating	-	0.37 to 2.2 kW (0.5 to 3 HP)
Voltage Range	-	220 Volts±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	-	Cast Iron
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 AGNES 2 SERIES PUMP, 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS, 50 HZ FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY'

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

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

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

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

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

Note:

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

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

Lightweight and Compact Design
Constructed with special grade engineering materials, the pump 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 it does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost saving due to low maintenance and breakdown.

TECHNICAL SPECIFICATION

Head Range	-	Up to 50 Metres
Discharge Range	-	Up to 18 LPS
Power Rating	-	0.75 to 7.5 kW(1 to 10 HP)
Voltage Range	-	350 to 440 Volts (Three Phase)
Insulation	-	F Class
Protection	-	IP44 / IP55
pH Value	-	5 to 9
Liquid Temperature Range	-	-10°C to 85°C (Up to 3 HP)
	-	-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 (Up to 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, STAINLESS STEEL MONOBLOC PUMP, AT RATED VOLTAGE, 50 HZ FREQUENCY, THREE PHASE A.C. POWER SUPPLY																	
Sr. No.	PUMP MODEL	Model Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS										
							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	32	25	415	-	-	2.5	2.4	2.3	2.1	1.8	1.5	1.1	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	3.5	-	-	-	-	-	-	-
4	**KSMB 220**	1.5	2.0	50	32	415	-	-	6.5	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	2.3	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	7.0	6.5	5.5	5.7	5.5	5.0	4.3	2.5	-	-	-
9	**KSMB 834+**	5.5	7.5	65	40	415	11.5	10.8	9.5	8.0	6.5	-	-	-	-	-	-
10	**KSMB 1051+**	7.5	10.0	65	40	415	-	-	-	-	18.0	17.8	17.0	15.6	13.5	10.9	4.0

Note:

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

Enriching Lives

INDUSTRIAL
PRODUCT RANGE

SEWAGE DE-WATERING SUBMERSIBLE PUMPS

Enriching Lives

ETERNA CW

SEWAGE DE-WATERING
SUBMERSIBLE PUMPS

ETERNA CW+

ETERNA CW

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 70 Metres
Discharge Range	-	Up to 4920 LPM
Power Rating	-	0.37 to 15 kW (0.5 to 20 HP)
Voltage Range	-	300 to 440 Volts - 3 Ph(For CW+ Models)
	-	380 to 440 Volts - 3 Ph(For CW Models)
pH Value	-	6.5 to 7.5
Maximum Density	-	< 1050 kg/m^3
Protection	-	IP68
Consistency of Medium	-	< 1.2 x 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 - CW / Stainless Steel - CW+

APPLICATIONS

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

PERFORMANCE CHART FOR ETERNA CW+ /CW SERIES, SEWAGE DE-WATERING PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																		
S. No.	PUMP MODEL	Power Rating		Pipe Size DEL. (mm)	Rated Voltage (Volts)	Rated Speed (RPM)	Max. Solid Size (mm)	TOTAL HEAD IN METERS										Minimum Submerged From Bottom (mm)
		kW	HP					4	6	8	10	12	14	16	18	19	22	24	
								DISCHARGE IN LITRES PER MINUTE											
1	ETERNA 370 CW+	0.37	0.5	50	415	2800	18	171	144	114	66	-	-	-	-	-	-	-	410
2	ETERNA 750 CW+	0.75	1	50	415	2800	22	-	312	264	204	120	-	-	-	-	-	-	450
3	ETERNA 1100 CW+	1.1	1.5	50	415	2800	24	-	366	312	252	180	84	-	-	-	-	-	460
4	ETERNA 1500 CW+	1.5	2	50	415	2840	22	-	-	396	357	312	270	222	144	96	-	-	490
5	ETERNA 2200 CW+	2.2	3	50	415	2840	25	-	-	-	-	-	450	408	348	312	180	-	500
6	ETERNA 3700 CW+	3.7	5	65	415	2900	35	-	-	-	-	-	960	870	720	600	360	150	625
7	ETERNA 5500 CW+	5.5	7.5	80	415	2900	35	-	1560	1500	1410	1272	1140	990	810	750	450	180	660
								4	6	8	10	12	14	16	18	20	22	24	-
8	ETERNA 7500 CW	7.5	10	150	415	1440	45	3800	3750	3250	2750	2000	1000	-	-	-	-	-	920
9	ETERNA 11000 CW 4PL	11	15	150	380	1440	45	-	-	4920	4200	3600	2700	1600	280	-	-	-	970
10	ETERNA 15000 CW 4PL	15	20	150	380	1440	45	-	4800	4520	4230	3950	3620	3120	2140	400	-	-	1020
								12	15	18	21	24	27	30	33	36	39	40	-
11	ETERNA 7500 CW 2P	7.5	10	65	380	2900	25	1500	1400	1300	1210	1120	1025	935	780	550	270	-	780
12	ETERNA 11000 CW 4P	11	15	100	380	1440	35	-	2680	2350	1970	1500	630	-	-	-	-	-	925
13	ETERNA 15000 CW 4P	15	20	100	380	1440	35	-	-	2950	2680	2380	2080	1650	1150	680	150	-	990
								25	30	35	40	45	50	55	60	65	70	75	-
14	ETERNA 11000 CW 2P	11	15	65	380	2900	25	1060	980	850	650	400	185	-	-	-	-	-	920
15	ETERNA 15000 CW 2P	15	20	65	380	2900	25	-	-	-	-	-	1290	950	600	230	40	-	935

Note:

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

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 Meters
Discharge Range	-	Up to 365 LPM
Power Rating	-	1.2 to 4 kW (1.6 to 5.5 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

PERFORMANCE CHART FOR CWC SERIES, CUTTER PUMP, AT RATED VOLTAGE, 50 HZ FREQUENCY, THREE PHASE A.C. POWER SUPPLY												
Sr. No.	Pump Model	Model Rating		Pipe Size DEL.(mm)	Rated Voltage (Volts)	RPM	TOTAL HEAD IN METERS					
							6	9	12	15	18	21
		kW	HP				DISCHARGE IN LITRES PER MINUTE					
1	**ETERNA 1200 CWC**	1.2	1.6	40	415	2850	270	235	180	135	80	-
2	**ETERNA 1500 CWC**	1.5	2.0	40	415	2850	295	258	220	175	130	80
							6	**15**	**30**	**33**	**36**	**39**
3	**ETERNA 4000 CWC**	4.0	5.5	40	415	2850	365	330	180	135	85	30

Note:

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

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.

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

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

TECHNICAL SPECIFICATION

Head Range	- Up to 12 Metres
Discharge Range	- Up to 330 LPM
Power Rating	- 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 x 10^3 kg/m^3
Max. liquid temperature	- +40°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 under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

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

TECHNICAL SPECIFICATION

Head Range	- Up to 17.9 Metres
Discharge Range	- Up to 500 LPM
Motor Rating	- 0.55 to 2.2 kW (0.75 to 3.0 HP)
Voltage Range	- 240 Volts ± 10%
Motor Insulation	- F Class
Maximum Suction Lift	- Up to 3.5 M

MATERIAL OF CONSTRUCTION

Parts		Material
Pump Body	-	Glass filled polypropylene
Pump Shaft	-	Stainless steel
Impeller	-	Poly Phenylene oxide
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

PERFORMANCE CHART OF 'KPP SERIES'-2 POLE PUMPS, AT RATED VOLTAGE, 50HZ FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																	
Sr. No.	**Pump Model**	**Power Rating**		**Pipe Size (mm)**		**Rated Voltage (Volts)**	**DISCHARGE**										
							m^3/h	**3**	**6**	**9**	**12**	**15**	**18**	**21**	**24**	**27**	**30**
		kW	**HP**	**Suc**	**Del**		**l/min**	**50**	**100**	**150**	**200**	**250**	**300**	**350**	**400**	**450**	**500**
1	**KPP - 550**	0.55	0.75	50	50	220	HEAD (M)	9.7	9.0	8.0	6.0	3.2	0.5	-	-	-	-
2	**KPP - 800**	0.75	1.0	50	50	220		10.8	10.3	9.2	7.0	4.5	1.5	-	-	-	-
3	**KPP - 1100**	1.10	1.5	50	50	220		14.8	14.2	13.2	12.0	10.3	8.0	4.8	-	-	-
4	**KPP - 1600**	1.50	2.0	50	50	220		16.8	16.3	15.5	14.5	13.5	12.0	9.6	7.0	3.5	-
5	**KPP - 2200**	2.20	3.0	50	50	220		17.9	17.5	16.7	15.9	14.7	13.4	11.6	9.5	7.0	3.5

Note:

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

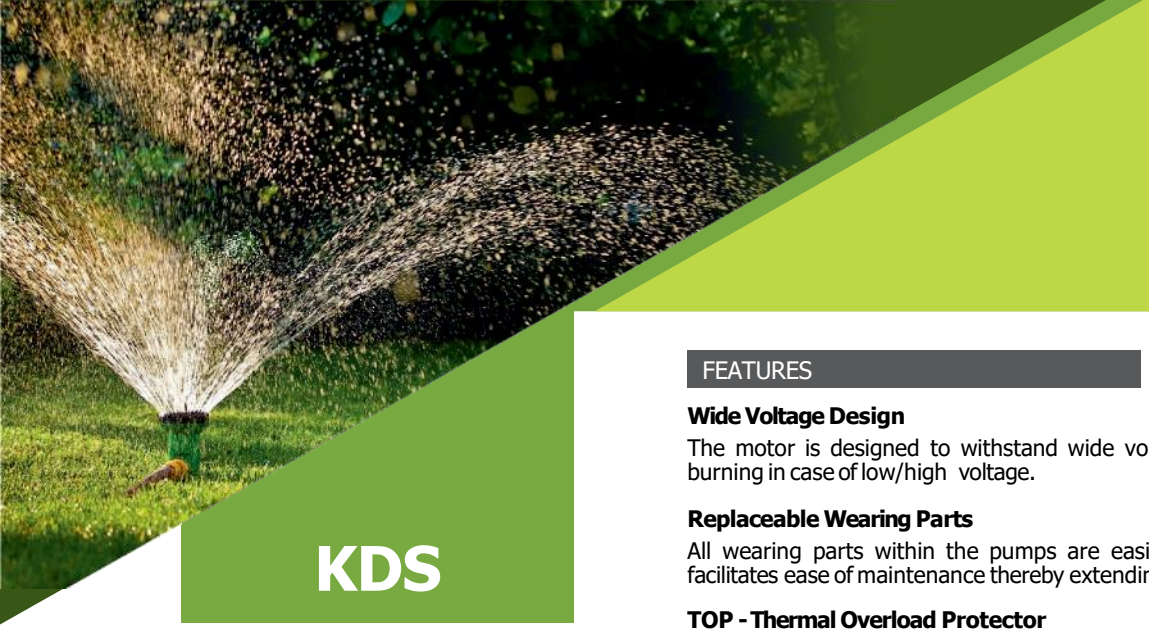
Enriching Lives

AGRICULTURE

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 variation which reduces motor burning in case of low/high 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 pump set features a Thermal Overload Protector that protects the motor from overloading, shielding of 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 ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

High Efficiency and Energy Saving Design

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

Dynamically Balanced Rotating Parts

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

Designed to Prevent Overloading

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 52 Metres
Discharge Range	-	Up to 28 LPS
Power Rating	-	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	-	IP44

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

Enriching Lives

PERFORMANCE CHART FOR KDS SERIES, 2 POLE, MONOBLOC PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY

S. N.	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 LITRES PER SECOND															
1	KDS - 0510+	0.37	0.50	50	40	210	-	3.4	2.6	1.0	-	-	-	-	-	-	-	-	-	-	-	-
2	KDS - 112	0.75	1.00	50	50	210	-	6.9	5.5	3.9	2.0	-	-	-	-	-	-	-	-	-	-	-
3	KDS - 116++	0.75	1.00	50	40	210	-	5.4	5.0	4.6	4.2	3.6	3.0	1.9	-	-	-	-	-	-	-	-
4	KDS - 116++	0.75	1.00	50	50	210	-	5.4	5.0	4.6	4.2	3.6	3.0	1.9	-	-	-	-	-	-	-	-
5	KDS - 123+	0.75	1.00	32	25	210	-	-	-	4.1	3.6	3.2	2.7	2.2	1.7	0.9	-	-	-	-	-	-
6	KDS - 128+	0.75	1.00	32	25	210	-	-	-	-	1.9	1.85	1.8	1.7	1.6	1.4	1.1	0.8	0.4	-	-	-
7	KDS - 128+	0.75	1.00	50	40	210	-	-	-	-	1.9	1.85	1.8	1.7	1.6	1.4	1.1	0.8	0.4	-	-	-
8	KDS - 128+	0.75	1.00	40	40	210	-	-	-	-	1.9	1.85	1.8	1.7	1.6	1.4	1.1	0.8	0.4	-	-	-
9	KDS - 134+	0.75	1.00	25	25	210	-	-	-	-	-	-	-	2.1	1.9	1.7	1.5	1.3	1.0	0.7	-	-
10	KDS - 1.514	1.10	1.50	65	50	210	-	-	8.5	7.1	5.7	3.0	-	-	-	-	-	-	-	-	-	-
11	KDS - 1.514++	1.10	1.50	50	50	210	-	-	8.5	7.1	5.7	3.0	-	-	-	-	-	-	-	-	-	-
12	KDS - 1.522++	1.10	1.50	50	40	210	-	-	6.3	5.9	5.5	5.0	4.5	3.9	3.1	1.8	-	-	-	-	-	-
13	KDS - 1.525+	1.10	1.50	50	40	210	-	2.6	2.55	2.5	2.45	2.4	2.3	2.2	2.1	2.0	1.8	1.6	1.3	0.4	-	-
14	KDS - 211N	1.50	2.00	80	80	230	14.3	12.7	10.7	8.0	-	-	-	-	-	-	-	-	-	-	-	-
15	KDS - 216M	1.50	2.00	80	80	230	-	-	11.0	10.1	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-
16	KDS - 216++	1.50	2.00	65	50	230	-	-	11.0	10.1	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-
17	KDS - 222	1.50	2.00	65	50	220	-	-	-	8.4	8.0	7.5	6.7	5.7	4.2	2.0	-	-	-	-	-	-
18	KDS - 225++	1.50	2.00	50	50	230	-	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	2.8	-	-	-	-	-
19	KDS - 225++	1.50	2.00	50	40	230	-	-	-	-	6.3	6.1	5.9	5.6	5.2	4.8	4.2	3.0	-	-	-	-
20	KDS - 235+	1.50	2.00	50	40	230	-	-	4.3	4.2	4.1	4.0	3.9	3.7	3.5	3.3	3.0	2.9	2.3	2.0	1.3	0.5
21	KDS - 312	2.20	3.00	100	100	230	20.0	17.5	14.5	10.5	-	-	-	-	-	-	-	-	-	-	-	-
22	KDS - 314+	2.20	3.00	100	100	230	-	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-
23	KDS - 314+	2.20	3.00	80	80	230	-	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-
24	KDS - 318++	2.20	3.00	80	65	230	-	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-
25	KDS - 318++	2.20	3.00	65	50	230	-	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-
26	KDS - 318+	2.20	3.00	80	80	230	-	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-
27	KDS - 325++	2.20	3.00	65	50	230	-	-	-	9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9	-	-	-	-
28	KDS - 335++	2.20	3.00	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
29	KDS - 515+	3.70	5.00	100	100	230	-	-	-	28.0	24.0	19.0	12.5	-	-	-	-	-	-	-	-	-
30	KDS - 520+	3.70	5.00	80	80	230	-	23.8	23.0	22.1	21.0	19.6	17.9	15.8	13.5	11.0	-	-	-	-	-	-
31	KDS - 527+	3.70	5.00	80	65	230	-	-	-	-	-	-	14.3	13.5	12.6	11.6	10.4	9.1	6.8	-	-	-
							16	18	20	22	24	26	28	30	32	34	36	38	40	44	48	52
32	KDS - 1.540+	1.10	1.50	32	25	230	-	-	-	2.0	1.9	1.7	1.6	1.45	1.3	1.1	0.9	0.6	-	-	-	-
33	KDS - 246	1.50	2.00	32	25	210	-	-	-	-	-	-	-	3.2	2.9	2.7	2.5	2.2	1.7	0.5	-	-
34	KDS - 538+	3.70	5.00	65	50	230	-	8.4	8.3	8.2	8.1	7.9	7.7	7.5	7.1	6.6	5.8	5.0	4.0	-	-	-
35	KDS - 550++	3.70	5.00	50	40	230	-	-	-	-	-	-	-	-	-	-	4.1	3.9	3.7	3.3	2.7	2.0

Note:

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

PERFORMANCE CHART FOR 'KDS-LV' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50Hz FREQUENCY , SINGLE PHASE A.C. POWER SUPPLY																		
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS											
							4	6	8	10	12	14	16	18	20	22	24	26
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND											
1	KDS - 112 LV	0.75	1.0	50	50	160	-	6.3	5.0	3.1	-	-	-	-	-	-	-	-
2	KDS - 113 LPLV	0.75	1.0	50	50	200	-	-	7.0	5.7	4.2	2.1	-	-	-	-	-	-
3	KDS - 116 LV	0.75	1.0	50	40	160	-	-	-	4.4	3.9	3.4	2.7	-	-	-	-	-
4	KDS - 128 LV	0.75	1.0	40	40	160	-	-	-	-	-	2.05	1.85	1.65	1.45	1.2	0.9	0.6
5	KDS - 1.514+ LV	1.1	1.5	65	50	160	-	8.3	7.4	6.4	5.0	2.8	-	-	-	-	-	-
6	KDS - 1.514 LV	1.1	1.5	50	50	160	-	8.3	7.4	6.4	5.0	2.8	-	-	-	-	-	-
7	KDS - 1.514++L	1.1	1.5	65	50	160	-	8.3	7.4	6.4	5.0	2.8	-	-	-	-	-	-
8	KDS - 1.514++L	1.1	1.5	50	50	160	-	8.3	7.4	6.4	5.0	2.8	-	-	-	-	-	-
9	KDS - 212N LV	1.5	2.0	80	80	200	-	-	14.2	11.8	9.0	-	-	-	-	-	-	-
10	KDS - 216LV+	1.5	2.0	65	50	200	-	-	10.0	9.0	7.9	6.5	3.5	-	-	-	-	-
11	KDS - 216LV	1.5	2.0	80	65	200	-	-	10.0	9.0	7.9	6.5	3.5	-	-	-	-	-
12	KDS - 222 LV	1.5	2.0	65	50	200	-	-	-	8.4	8.0	7.5	6.7	5.7	4.2	2.0	-	-
13	KDS - 312 LV	2.2	3.0	100	100	200	20.0	17.0	14.0	10.0	-	-	-	-	-	-	-	-

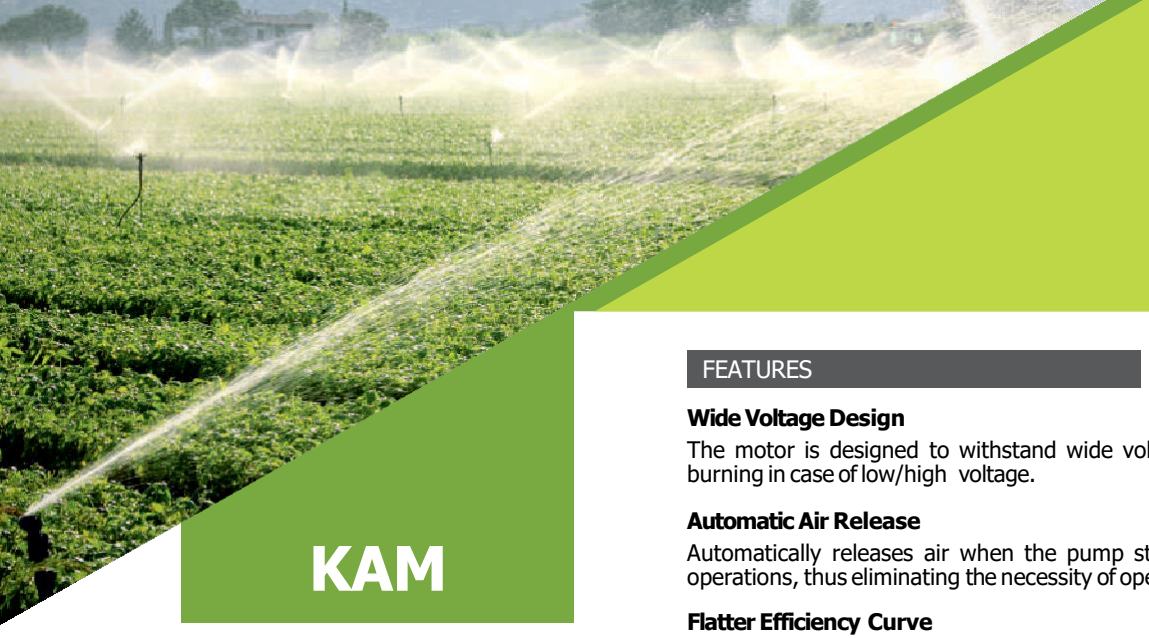
Note:

- LV Denotes - Low Voltage
- Performance under standard test conditions and may vary on site conditions.
- 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, 50Hz FREQUENCY , SINGLE PHASE A.C. POWER SUPPLY																	
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS										
							6	8	10	12	14	16	18	20	22	24	26
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND										
1	KDS - 112 P	0.75	1.0	50	50	240	6.5	5.4	4.0	2.0	-	-	-	-	-	-	-
2	KDS - 113 LP	0.75	1.0	50	50	240	-	6.5	5.3	3.5	1.5	-	-	-	-	-	-
3	KDS - 116+ P	0.75	1.0	50	50	240	-	5.1	4.5	3.9	3.1	2.0	-	-	-	-	-
4	KDS - 1.516 LP	1.1	1.5	65	50	240	-	-	8.3	7.0	5.2	2.8	-	-	-	-	-
5	KDS - 1.525+ P	1.1	1.5	50	40	240	2.20	2.15	2.05	2.00	1.90	1.85	1.75	1.6	1.3	0.9	-
6	KDS - 213N	1.5	2.0	80	80	240	15.2	13	10.0	6.0	-	-	-	-	-	-	-
7	KDS - 214LP	1.5	2.0	80	80	240	14.0	12.0	10.0	7.5	-	-	-	-	-	-	-
8	KDS - 216LP	1.5	2.0	80	65	240	-	9.8	8.3	6.8	5.0	2.0	-	-	-	-	-
9	KDS - 216A	1.5	2.0	65	50	240	-	9.0	8.0	6.8	5.1	2.8	-	-	-	-	-
10	KDS - 216+ P	1.5	2.0	65	50	240	-	10.0	9.1	7.9	6.2	3.4	-	-	-	-	-
11	KDS - 222P	1.5	2.0	65	50	240	-	8.2	7.8	7.0	6.2	5.3	4.0	1.2	-	-	-
12	KDS - 225+ P	1.5	2.0	50	40	240	-	-	-	-	4.35	4.05	3.75	3.45	3.1	2.5	-
13	KDS - 312 P	2.2	3.0	100	100	240	13.7	10.2	6.0	-	-	-	-	-	-	-	-
14	KDS - 314+ P	2.2	3.0	100	100	240	17.0	15.3	13.5	11.2	7.0	-	-	-	-	-	-
15	KDS - 325++ P	2.2	3.0	65	50	240	-	-	-	-	-	7.5	6.8	6.0	5.3	4.5	3.5
16	KDS - 527+ P	3.7	5.0	80	65	240	-	-	-	-	13.8	12.9	12.0	11.1	10.2	9.2	7.6

Note:

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



Enriching Lives

KAM

SINGLE PHASE
MONOBLOC PUMPS

FEATURES

Wide Voltage Design
The motor is designed to withstand wide voltage variation which reduces motor burning in case of low/high voltage.

Automatic Air Release
Automatically releases air when the pump starts ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

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

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

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	- Up to 19 Metres
Discharge Range	- Up to 16 LPS
Power Rating	- 0.37 to 1.5 kW (0.5 to 2.0 HP)
Voltage Range	- 120 to 220 Volts (Single Phase Low Voltage) 180 to 240 Volts (Single Phase)
Insulation	- B / F Class
Protection	- IP44

MATERIAL OF CONSTRUCTION

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

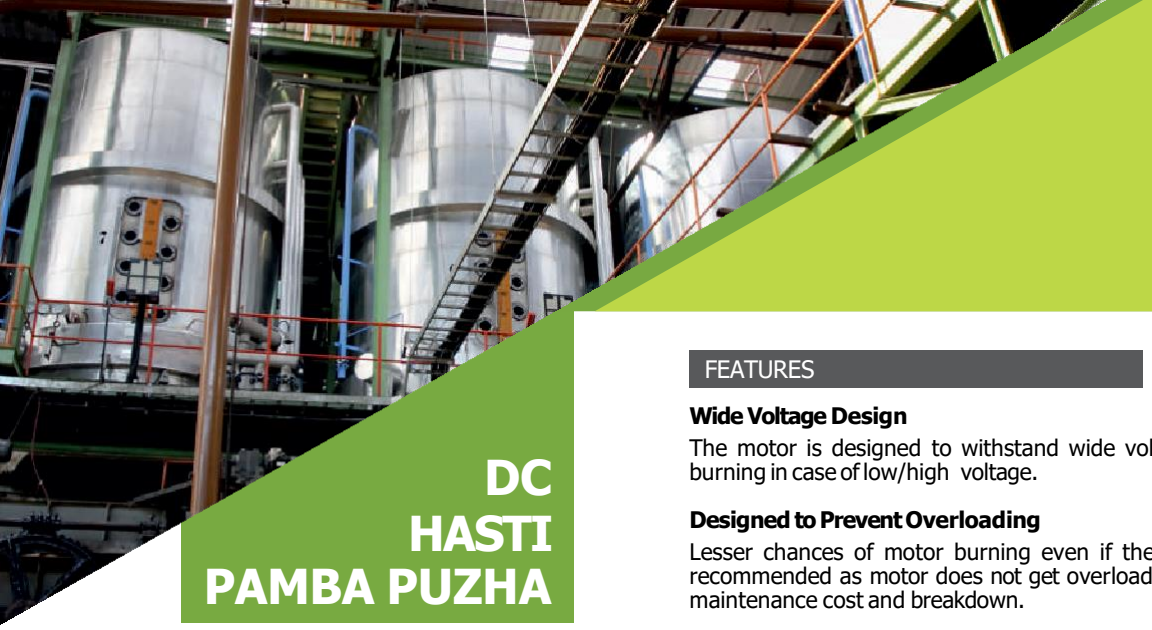
APPLICATIONS

- 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 METERS													
							4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND															
1	**KAM - 0LV**	0.37	0.50	25	25	200	-	-	-	-	-	-	-	1.8	1.6	1.4	1.2	1.0	0.8	0.5	0.3	0.1
2	**KAM - 05**	0.50	0.75	40	40	200	-	-	-	-	-	4.8	4.0	3.2	2.4	0.9	-	-	-	-	-	-
3	**KAM - 11**	0.75	1.00	80	80	200	16.0	14.5	13.2	11.5	9.7	6.5	-	-	-	-	-	-	-	-	-	-
4	**KAM - 11 LV**	0.75	1.00	80	80	160	16.0	14.5	13.2	11.5	9.7	6.5	-	-	-	-	-	-	-	-	-	-
5	**KAM - 1.512**	1.10	1.50	80	80	230	15.5	14.7	13.8	12.9	11.8	10.6	9.2	7.0	4.0	-	-	-	-	-	-	-
6	**KAM - 15 LV**	1.10	1.50	80	80	200	-	-	-	15.3	14.3	13.0	11.8	10.5	9.0	7.3	5.0	-	-	-	-	-
7	**KAM - 213**	1.50	2.00	80	80	240	-	16.0	15.2	14.2	13.0	11.5	10.0	8.2	6.0	-	-	-	-	-	-	-

Note:

- LV Denotes - Low Voltage
- KAM-05 is Also Available With Extended Shaft.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.



Enriching Lives

DC HASTI PAMBA PUZHA

SINGLE PHASE
MONOBLOC PUMPS

DC

HASTI

PAMBA PUZHA

FEATURES

Wide Voltage Design

The motor is designed to withstand wide voltage variation which reduces motor burning in case of low/high voltage.

Designed to Prevent Overloading

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

Dynamically Balanced Rotating Parts

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

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 ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

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	-	Up to 26 Metres
Capacity	-	Up to 4.7 LPS
Power Rating	-	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
Insulation	-	B Class
Protection	-	IP44

MATERIAL OF CONSTRUCTION

Impeller	-	Cast Iron for DC-5M Pumps Noryl for rest of DC, Pamba Puzha and Hasti Pump
Delivery Casing	-	Cast Iron
Motor Body	-	Cast Iron (Aluminium for Pamba Puzha and Hasti 0520N)
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/PAMBA 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)		Rated Voltage (Volts)	TOTAL HEAD IN METERS											
							8	9	10.5	12	13.5	15	16.5	18	20	22	24	26
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND											
1	**HASTI - 514+LV**	0.37	0.5	40	40	200	4.15	3.85	3.40	2.90	2.20	1.20	-	-	-	-	-	-
2	**DC - 0M**	0.37	0.5	25	25	210	-	1.50	1.30	1.10	0.87	0.60	-	-	-	-	-	-
3	**DC - 1M**	0.37	0.5	25	25	210	-	2.00	1.83	1.63	1.35	1.08	0.77	0.45	-	-	-	-
4	**DC - 1M**	0.37	0.5	40	40	210	2.37	2.20	1.95	1.70	1.44	1.14	0.83	0.45	-	-	-	-
5	**PAMBA PUZHA**	0.37	0.5	25	25	220	-	1.90	1.80	1.60	1.40	1.10	0.80	0.40	-	-	-	-
6	**DC - 3M**	0.37	0.5	25	25	210	-	-	-	1.95	1.73	1.5	1.23	0.9	0.4	-	-	-
7	**HASTI - 0520N**	0.37	0.5	25	25	200	-	-	-	-	1.90	1.70	1.45	1.15	0.55	-	-	-
8	**DC - 4M**	0.55	0.75	25	25	210	-	-	-	-	1.57	1.5	1.4	1.3	1.16	1.0	0.8	0.4
9	**DC - 5M**	0.55	0.75	40	40	200	-	4.7	3.8	1.8	-	-	-	-	-	-	-	-

Note:

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

Enriching Lives

DOMESTIC
PRODUCT RANGE

MINI SERIES
SELF PRIMING PUMPS

Enriching Lives

MINI RANGE

CHHOTU

MINI 30C

MINI 40C

MINI 50C

JALRAAJ ULTRA

CHHOTU STAR ULTRA

JALRAAJ - 1 ULTRA

Enriching Lives

MINI RANGE

CHHOTU

MINI 30C

MINI 40C

MINI 50C

JALRAAJ ULTRA

CHHOTU STAR ULTRA

JALRAAJ - 1 ULTRA

FEATURES

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

Cathodic Electro Deposition (CED) Coating
CED is the latest coating technology for corrosion resistance with a 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.

TOP - Thermal Overload Protector
The pump set features a Thermal Overload Protector that protects the motor from overloading, shielding of 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 ensures that the pump can be serviced even at remote locations by semi-skilled technicians.

Shielded Ball Bearing
The low noise pumps are fitted with shielded ball bearing; so, no external lubrication is required throughout the life cycle.

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

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

TECHNICAL SPECIFICATION

REGENERATIVE PUMPS

Head Range	-	Up to 58 Metres
Discharge Range	-	Up to 4800 LPH
Power Rating	-	Up to 0.37 to 1.1 kW (0.5 to 1.5 HP)
Voltage Range	-	180 to 240 Volts (For CHOTTU) 180 to 260 Volts (For Ultra Series, MINI 30C, 40C and 50C)

APPLICATIONS

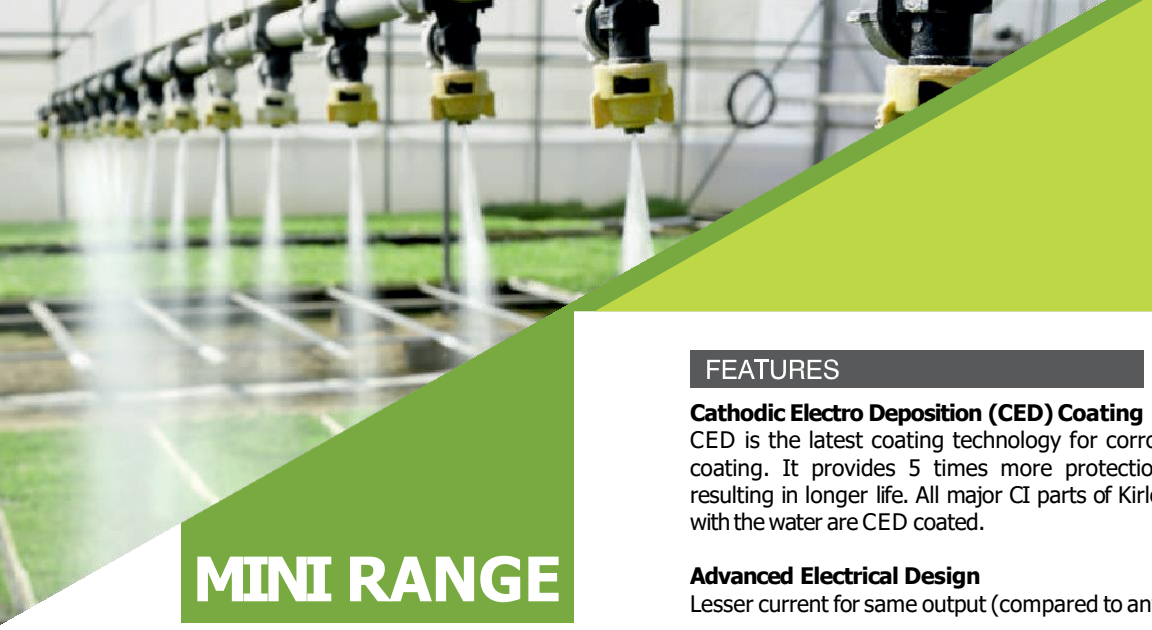
- Water supply to over head tanks in bungalows
- Gardens/ fountains
- Feed water to RO plants
- Domestic water supply
- Construction site
- Home pressure boosting
- Car Washing
- Lawn sprinklers

PERFORMANCE CHART FOR MINI RANGE PUMPS, 2 POLE, 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 METERS																		
							3	6	9	10	12	14	15	18	20	21	22	24	25	26	28	30	32	34	
		kW	HP	SUC.	DEL		DISCHARGE IN LITRES PER HOUR																		
1	CHHOTU	0.37	0.5	25	25	220	-	1980	1692	1620	1440	1296	1224	1008	792	756	702	504	396	360	-	-	-	-	
2	MINI 30C	0.37	0.5	25	25	220	-	3182	2836	2772	2545	2318	2182	1863	1673	1527	1454	1236	1091	1000	727	-	-	-	
							10	12	14	18	20	22	24	26	28	30	32	34	38	40	42	50	54	58	
3	MINI 40C/40C ES**	0.75	1	25	25	230	3010	2800	2650	2340	2160	2016	1872	1764	1620	1512	1368	1224	936	790	-	-	-	-	
4	MINI 50C	0.75	1	25	25	230	2900	2898	2880	2808	2754	2700	2628	2520	2376	2196	1980	1800	1512	1368	1224	520	-	-	

PERFORMANCE CHART FOR ULTRA SERIES MINI RANGE PUMPS, 2 POLE, 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	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	220	1800	1440	1150	935	720	430	-	-	-	-	-	-	-	
2	Chhotu Star Ultra	0.75	1	25	25	220	2880	2520	2200	1870	1585	1150	940	720	500	-	-	-	-	
3	Jalraaj 1 Ultra	0.75	1	25	25	220	3300	2990	2660	2300	1980	1670	1365	1300	-	-	-	-	-	

Note:

- ** ES - Extended Shaft.
- MINI 30C and MINI 50C are also available in three phase.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.



Enriching Lives

MINI RANGE

AARNA, ANAYA & RIAN

AARNA - II | 0.5 HP AARNA - I | 1.0 HP

ANAYA- II | 0.5 HP ANAYA - I | 1.0 HP

RIAN - II | 0.5 HP RIAN - I | 1.0 HP

FEATURES

Cathodic Electro Deposition (CED) Coating
CED is the latest coating technology for corrosion resistance with a 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.

Advanced Electrical Design
Lesser current for same output (compared to any other similar products)

Wide Voltage Range Operability
The motor is designed to withstand wide voltage variation from 180 to 260 volts and reduces chances of motor burning due to low / high voltage.

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

High Suction Lift
The pump has a suction lift capacity of up to 7.5 meters.

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

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

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

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

TECHNICAL SPECIFICATION

		AARNA - II/ ANAYA - II/ RIAN - II	AARNA - I/ ANAYA - I/ RIAN - I
Head Range	-	6 to 21 Meters	6 to 30 Meters
Capacity Range	-	1980 to 680 LPH	2700 to 650 LPH
Power Rating	-	0.37 kW / 0.5 HP	0.75 kW / 1.0 HP
Phase	-	Single	Single
Voltage Range	-	180 to 260 Volts	180 to 260 Volts
Insulation	-	B CLASS	B CLASS

MATERIAL OF CONSTRUCTION

Impeller	-	Brass
Delivery Casing	-	Cast Iron
Motor Body	-	Aluminium
Pump Shaft	-	Carbon Steel
Cover NDE	-	Aluminium
Seal	-	Carbon Vs Ceramic

APPLICATIONS

- Water supply to overhead tanks in bungalows
- Gardens / Fountains
- Feedwater to RO plants
- Domestic water supply
- Construction sites
- Car washing
- Lawn sprinklers

PERFORMANCE CHART OF AARNA MINI RANGE PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage	TOTAL HEAD IN METERS									
							6	10	14	18	21	24	26	28	30	
		kW	HP	SUC.	DEL	(Volts)	DISCHARGE IN LITRES PER HOUR									
1	AARNA - II	0.37	0.5	25	25	220	1980	1615	1290	1005	680	-	-	-	-	
2	AARNA - I	0.75	1.0	25	25	220	2700	2305	2015	1765	1620	1450	1190	935	650	

PERFORMANCE CHART OF ANAYA MINI RANGE PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage	TOTAL HEAD IN METERS									
							6	10	14	18	21	24	26	28	30	
		kW	HP	SUC.	DEL	(Volts)	DISCHARGE IN LITRES PER HOUR									
1	ANAYA - II	0.37	0.5	25	25	220	1980	1615	1290	1005	680	-	-	-	-	
2	ANAYA - I	0.75	1.0	25	25	220	2700	2305	2015	1765	1620	1450	1190	935	650	

PERFORMANCE CHART OF RIAN MINI RANGE PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																
S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage	TOTAL HEAD IN METERS									
							6	10	14	18	21	24	26	28	30	
		kW	HP	SUC.	DEL	(Volts)	DISCHARGE IN LITRES PER HOUR									
1	RIAN - II	0.37	0.5	25	25	220	1980	1615	1290	1005	680	-	-	-	-	
2	RIAN - I	0.75	1.0	25	25	220	2700	2305	2015	1765	1620	1450	1190	935	650	

Note:

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

Enriching Lives

JAL SERIES MINI PUMPS

For Domestic Applications

JALDAKSH

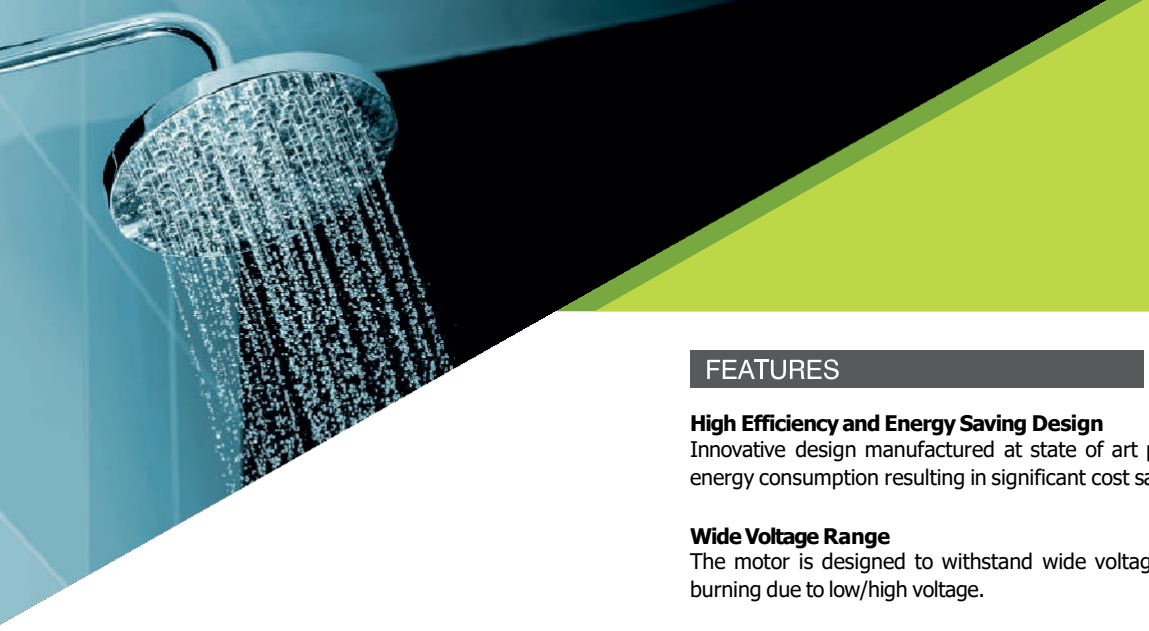
JALHASTI II / JALHASTI I

JALTARA II / JALTARA I

JALHANSA II / JALHANSA I

JALSENA II / JALSENA I

JALNAYAK II / JALNAYAK I



Enriching Lives

JAL SERIES MINI PUMPS

For Domestic Applications

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 Range
The motor is designed to withstand wide voltage variation and reduces chances of motor burning due to low/high voltage.

Cathodic Electro Deposition (CED) Coating
CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life. Hydraulic parts of Kirloskar pumps are CED coated

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

High Grade Insulation
Robust design to withstand higher temperatures reducing the chances of motor burning and ensures the reliability, safety and enhanced life.

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

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

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 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.

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 55 Meters
Capacity Range	-	Up to 4300 LPH
Power Rating	-	0.37 to 0.75 kW/ 0.5 to 1.0 HP
Phase	-	Single / Three (Only for JALNAYAK Three Phase Model)
Voltage Range	-	180 to 260 Volts (Single Phase) 300 to 440 Volts (Three Phase) (for JALNAYAK Three Phase Model)
Insulation	-	B CLASS / F CLASS (Gold Series)

MATERIAL OF CONSTRUCTION

Impeller	-	Brass
Delivery Casing	-	Cast Iron
Motor Body	-	Aluminium
Pump Shaft	-	Carbon Steel
Seal	-	Carbon Vs Ceramic

APPLICATIONS

- Gardens and fountains
- Feed water to RO plants
- Domestic water supply
- Water supply to overhead tanks in bungalows
- Construction sites
- Car washing
- Lawn sprinklers

PERFORMANCE CHART FOR JAL SERIES MINI RANGE PUMPS, 2 POLE, BRONZE

S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS															
							6	10	14	18	22	26	28	30	32	34	36	40	41	45	48	50
		kW	HP	SUC.	DEL		DISCHARGE IN LITRES PER HOUR															
1	JALHANSA II	0.37	0.5	25	25	220	2050	1725	1440	1115	790	500	-	-	-	-	-	-	-	-	-	-
2	JALDAKSH	0.75	1.0	25	25	220	3000	2735	2450	2200	1945	1655	1550	1400	1300	1150	1005	750	-	-	-	-

PERFORMANCE CHART FOR JAL SERIES MINI RANGE PUMPS, 2 POLE, SILVER

S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS															
							6	10	14	18	22	26	28	30	32	34	36	40	41	45	48	50
		kW	HP	SUC.	DEL		DISCHARGE IN LITRES PER HOUR															
1	JALHANSA II	0.37	0.5	25	25	220	2050	1730	1445	1150	860	570	400	-	-	-	-	-	-	-	-	-
2	JALSENA II	0.37	0.5	25	25	220	2500	2125	1765	1400	1050	685	500	-	-	-	-	-	-	-	-	-
3	JALDAKSH	0.75	1.0	25	25	220	3300	2990	2700	2375	2090	1800	1650	1510	1370	1225	1080	760	-	-	-	-
4	JALHANSA I	0.75	1.0	25	25	220	3200	2935	2665	2410	2160	1870	1725	1620	1475	1330	1220	950	-	-	-	-
5	JALSENA I	0.75	1.0	25	25	220	3250	2985	2730	2445	2160	1910	1765	1620	1510	1365	1220	970	900	-	-	-

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 METERS																
							6	10	14	18	22	26	28	30	32	34	36	40	45	48	50	55
		kW	HP	SUC.	DEL		DISCHARGE IN LITRES PER HOUR															
1	JALSENA II	0.37	0.5	25	25	220	2600	2230	1890	1545	1185	825	650	-	-	-	-	-	-	-	-	-
2	JALNAYAK II	0.37	0.5	25	25	220	2650	2300	1980	1650	1330	970	820	660	-	-	-	-	-	-	-	-
3	JALHASTI II	0.37	0.5	25	25	220	2900	2630	2340	2050	1800	1510	1370	1225	1080	935	820	-	-	-	-	-
4	JALTARA II	0.37	0.5	25	25	220	3000	2700	2410	2160	1870	1585	1440	1295	1150	1010	850	-	-	-	-	-
5	JALSENA I	0.75	1.0	25	25	220	3370	3095	2810	2555	2285	2015	1910	1765	1620	1500	1365	1095	760	-	-	-
6	JALNAYAK I	0.75	1.0	25	25	230	4050	3745	3455	3165	2880	2590	2445	2300	2160	2015	1870	1580	1225	1040	-	-
7	JALHASTI I	0.75	1.0	25	25	230	4280	3975	3705	3385	3095	2805	2665	2520	2375	2195	2015	1725	1345	1150	1000	-
8	JALTARA I	0.75	1.0	25	25	230	4300	4030	3744	3450	3165	2880	2735	2590	2445	2300	2160	1870	1510	1295	1150	800

Note:

- JALNAYAK I and JALNAYAK II are also available in three phase.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

AQUA KNIGHT

V-FLOW

AQUA TORRENT-10FCL

CMS N

TECHNICAL SPECIFICATION

		AQUA KNIGHT	V FLOW	AQUA TORRENT-10FCL	CMS N
Head	:	Up to 33 Meters	Up to 50 Meters	Up to 42 Meters	Up to 42 Meters
Capacity	:	Up to 1950 LPH	Up to 2560 LPH	Up to 3500 LPH	Up to 3820 LPH
Power Rating	:	0.37 to 0.75 kW (0.5 to 1.0 HP)	0.37 to 0.75 kW (0.5 to 1.0 HP)	0.75 kW / 1.0 HP	0.37 to 0.75 kW (0.5 to 1.0 HP)
Voltage range	:	180 to 240 Volts (Single Phase)	180 to 240 Volts (Single Phase)	180 to 260 Volts (Single Phase)	180 to 240 Volts (Single Phase)

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)		Rated Voltage (Volts)	TOTAL HEAD IN METRES					
							6	12	18	24	30	33
		kW	HP	SUC.	DEL		DISCHARGE IN LITRES PER HOUR					
1	AQUA KNIGHT 50	0.37	0.5	13	13	220	1700	1300	930	520	150	-
2	AQUA KNIGHT 100	0.75	1	25	25	220	1950	1765	1550	1260	900	500

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)		Rated Voltage (Volts)	TOTAL HEAD IN METRES											
							6	10	14	18	22	26	30	34	38	42	46	50
		kW	HP	SUC.	DEL		DISCHARGE IN LITRES PER HOUR											
1	V FLOW	0.37	0.5	25	25	240	-	2439	2250	2043	1773	1457	1134	729	-	-	-	-
2	V FLOW-1	0.75	1	25	25	240	2560	2520	2420	2260	2060	1840	1620	1380	1140	860	280	140

PERFORMANCE CHART FOR AQUA TORRENT-10FCL MINI RANGE PUMP, 4 POLE, 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	10	14	18	22	26	30	34	38	42
		kW	HP	SUC.	DEL		DISCHARGE IN LITRES PER HOUR									
1	AQUA TORRENT-10FCL	0.75	1.0	25	25	230	3500	3170	2915	2700	2340	2015	1695	1330	970	650

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)		Rated Voltage (Volts)	TOTAL HEAD IN METRES											
		kW	HP	SUC.	DEL		DISCHARGE IN LITRES PER HOUR											
1	CMS 525N	0.37	0.5	25	25	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)		Rated Voltage (Volts)	TOTAL HEAD IN METRES											
		kW	HP	SUC.	DEL		DISCHARGE IN LITRES PER HOUR											
1	CMS 140N	0.75	1.0	25	25	220	3820	3650	3420	3310	3150	2980	2825	2650	2160	1750	1340	

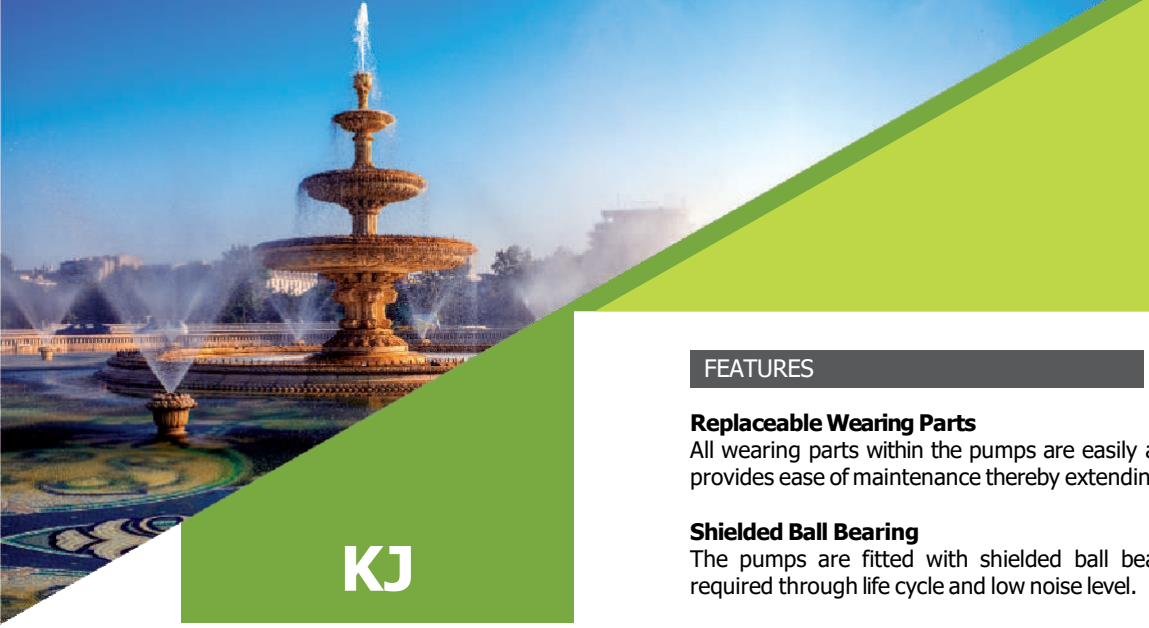
Note:

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

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

Design to Prevent Overloading
Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a heat lower than recommended, thus ensuring substantial cost saving due to low 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	-	Up to 48 Metres
Capacity	-	Up to 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**	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:

- Performance under standard test conditions and may vary on site conditions.
- 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 variation from 180 to 240 volts and reduces motor burning in low/high voltage.

TOP - Thermal Overload Protector
The pump set features a Thermal Overload Protector that protects the motor from overloading, shielding of 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	-	Up to 40 Metres
Discharge Range	-	Up to 5112 LPH
Power Rating	-	0.37 to 1.1 kW (0.5 to 1.5 HP)
Voltage Range	-	180 to 240 Volts (Single Phase)
	-	180 to 260 Volts (for KsWJ 10M)

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 - 60	0.37	0.5	25	25	3.4	220	-	2600	2520	2460	2340	2290	2070	1900	1750	1690	1590	1110	600	-	-	-	-	-
2	KSW - 05	0.37	0.5	25	25	4.2	230	3300	3200	3120	3000	2820	2750	2400	2200	2040	1950	1850	1680	1500	-	-	-	-	-
3	LIFTER - 100	0.75	1	25	25	5.5	220	-	-	-	-	-	-	-	2700	2500	2390	2260	2050	1800	1440	1000	810	630	-
4	KSW - 10	0.75	1	25	25	5.5	240	-	-	-	-	3600	3550	3300	3000	2550	2400	2250	2050	1800	1450	1050	900	750	300
5	LIFTER - 150	1.1	1.5	25	25	5.5	220	-	-	-	-	-	-	-	-	-	-	2500	2340	2070	1710	1440	1250	1080	-

Note:

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

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 variation from 160 to 260 volts and reduces motor burning in case of low /high voltage.

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

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

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

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

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

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

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

PERFORMANCE CHART FOR 'KOSi' SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMPS, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																							
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS																
							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 SECONDS																	
1	**KOSi - 0520**	0.37	0.5	25	25	210	-	-	1.80	1.50	1.05	0.45	-	-	-	-	-	-	-	-	-	-	-	-
2	**KOSi - 123**	0.75	1	50	40	210	4.80	4.45	4.10	3.75	3.35	2.90	2.15	-	-	-	-	-	-	-	-	-	-	-
3	**KOSi - 135**	0.75	1	25	25	210	-	-	-	-	2.45	2.25	2.10	1.90	1.70	1.45	1.20	0.80	0.30	-	-	-	-	-
4	**KOSi - 1.522**	1.1	1.5	50	40	210	-	6.10	5.60	5.10	4.50	3.70	2.80	-	-	-	-	-	-	-	-	-	-	-
5	**KOSi - 1.540**	1.1	1.5	32	25	210	-	-	-	-	-	-	-	3.05	2.80	2.60	2.30	1.95	1.60	1.20	0.70	-	-	-
6	**KOSi - 216**	1.5	2	65	50	210	-	9.70	8.40	7.10	5.20	-	-	-	-	-	-	-	-	-	-	-	-	-
7	**KOSi - 225**	1.5	2	50	40	210	-	-	6.30	5.80	5.30	4.70	4.10	3.40	2.60	1.30	-	-	-	-	-	-	-	-
8	**KOSi - 245**	1.5	2	32	25	210	-	-	-	-	-	-	-	-	-	-	3.25	3.00	2.70	2.35	1.95	1.55	1.10	0.35

Note:

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

Enriching Lives

KOSi C

SINGLE PHASE OPEN-WELL SUBMERSIBLE PUMPS

WITH CAST IRON MOTOR BODY

FEATURES

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

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

Dynamically Balanced Rotating Parts
Minimum 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	-	Up to 36 Metres
Discharge Range	-	Up to 9.7 LPS
Power Rating	-	0.37 to 1.5 kW (0.5 to 2 HP)
Voltage Range	-	160 to 260 Volts (Single Phase)
Insulation	-	PP
Protection	-	IP68

MATERIAL OF CONSTRUCTION

Impeller	-	Cast Iron / Noryl
Delivery Casing	-	Cast Iron
Motor Body	-	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 'KOSi Cast Iron Motor Body' SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMPS, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																				
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS													
							8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECONDS														
1	**KOSi - 0520**	0.37	0.5	25	25	210	-	-	1.80	1.50	1.05	0.45	-	-	-	-	-	-	-	-	-
2	**KOSi - 123**	0.75	1	50	40	210	4.80	4.45	4.10	3.75	3.35	2.90	2.15	-	-	-	-	-	-	-	-
3	**KOSi - 135**	0.75	1	25	25	210	-	-	-	-	2.45	2.25	2.10	1.90	1.70	1.45	1.20	0.80	0.30	-	-
4	**KOSiC - 1.522**	1.1	1.5	50	40	210	-	5.90	5.30	4.80	4.10	3.30	1.20	-	-	-	-	-	-	-	-
5	**KOSiC - 1.540**	1.1	1.5	32	25	210	-	-	-	-	-	-	-	3.05	2.80	2.60	2.30	1.95	1.60	1.20	0.70
6	**KOSiC - 216**	1.5	2	65	50	210	-	9.70	8.40	7.10	5.20	-	-	-	-	-	-	-	-	-	-
7	**KOSi - 225**	1.5	2	50	40	210	-	-	6.30	5.80	5.30	4.70	4.10	3.40	2.60	1.30	-	-	-	-	-

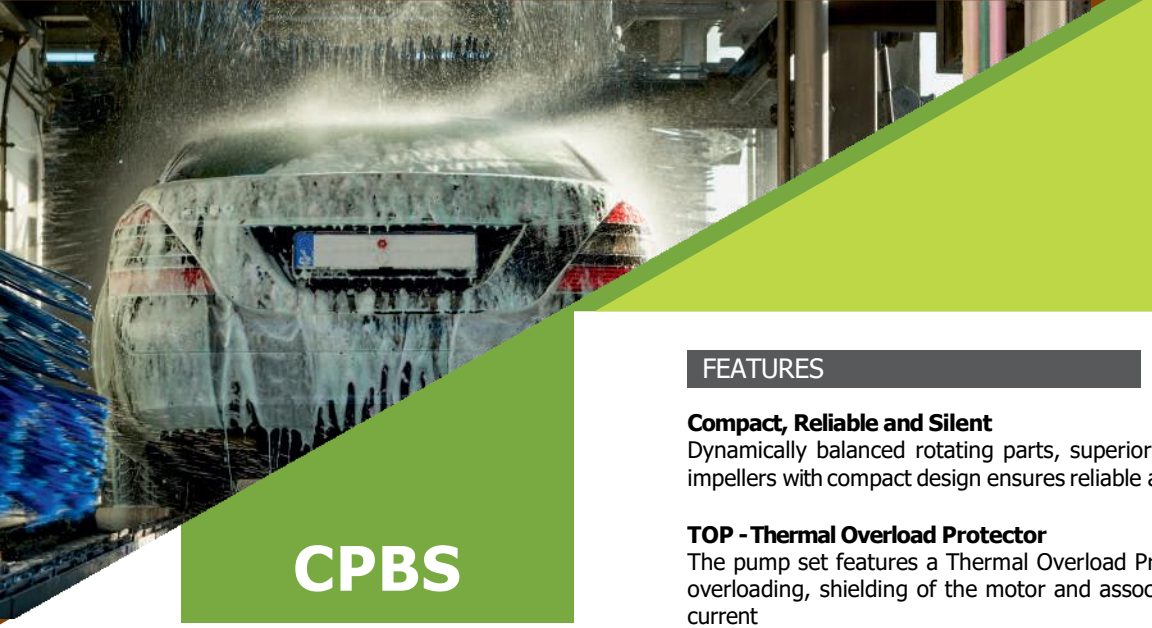
Note:

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

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 pump set features a Thermal Overload Protector that protects the motor from overloading, shielding of 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	-	Up to 52 Metres
Discharge Range	-	Up to 140 LPM
Power Rating	-	0.4 to 1.1 kW (0.6 to 1.5 HP)
Pressure Range	-	Up to 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	-	Stainless Steel
Pump Stage Casing	-	Stainless Steel
Suction & Delivery Casing	-	Cast Iron

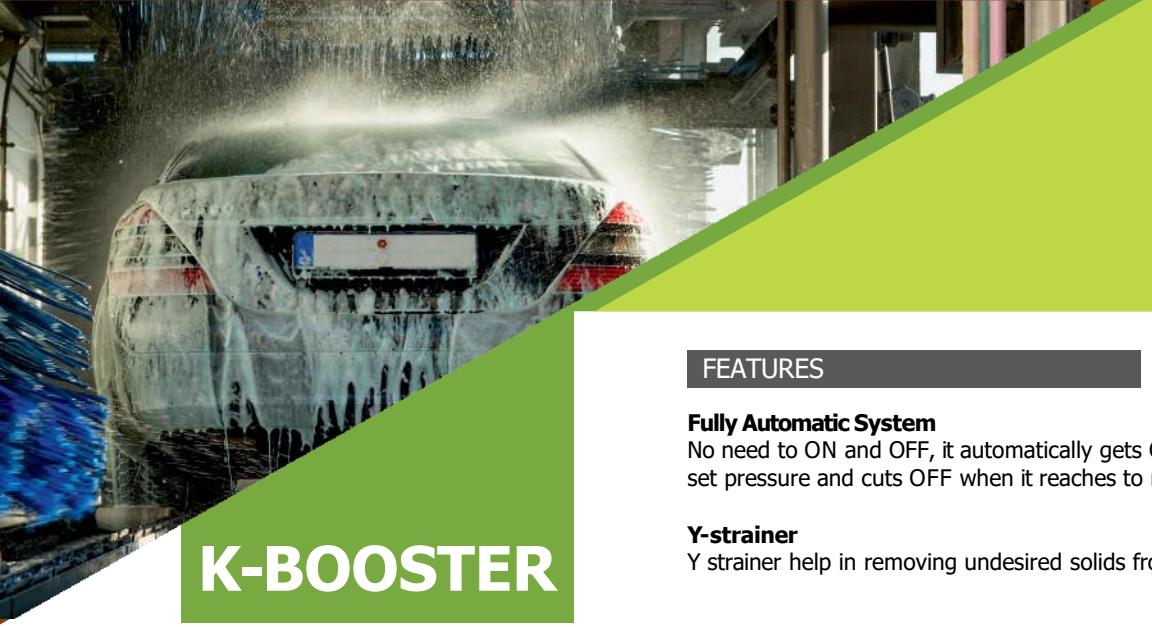
APPLICATIONS

- Consistent 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						
											20	40	60	80	100	120	140
		kW	HP	SUC.	DEL.						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 under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.



Enriching Lives

K-BOOSTER

PRESSURE
BOOSTING SYSTEM

FEATURES

Fully Automatic System
No need to ON and OFF, it automatically gets ON when the pressure drops to pre-set pressure and cuts OFF when it reaches to maximum pre-set pressure.

Y-strainer
Y strainer help in removing undesired solids from inlet water.

Compact and Robust Design
Occupies less space due to compact design. Dynamically balanced rotating parts, superior quality bearings ensure reliable operations.

Durable Component
Reliable and durable peripheral parts such as Pressure Switch and Tank provides better life to system.

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 28 Meters
Discharge Range	-	Up to 2050 LPH
Power Rating	-	0.37 kW (0.5 HP)
Pressure Range	-	Up to 2.4 kg/cm^2
Voltage range	-	180 to 260 Volts (Single phase)
Insulation	-	B Class
Protection	-	IP 44
Tank Size	-	2 Litres

APPLICATIONS

- Bathroom Showers
- Consistent pressure at multi outlets
- Washing machine, Gas Geyser
- Pressurised washing of vehicles
- Kitchenware washing

Enriching Lives

PERFORMANCE OF K-BOOSTER, PRESSURE BOOSTING SYSTEM, AT RATED VOLTAGE, 50 Hz, SINGLE PHASE A.C. POWER SUPPLY															
Sr. No.	Pump Model	Power Rating		Pipe Size (MM)		Rated Current (IN AMPS)	Rated Voltage (VOLTS)	Pressure Range (kg/cm^2)	TOTAL HEAD IN METERS						
									6	10	14	18	22	26	28
		kW	HP	Suc	Del				DISCHARGE IN LITRES PER HOUR						
1	Kirloskar K-Booster	0.37	0.5	25	25	3	220	1.4 - 2.4	2050	1655	1400	1150	865	500	360

Note:

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

Enriching Lives

STAR GALAXY

PRESSURE
BOOSTING SYSTEM

FEATURES

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

High Quality Aluminium Motor Body
Special grade aluminium motor body ensures high resistance to corrosion, better heat dissipation and lowers the pump's overall weight for great portability.

TOP - Thermal Overload Protector
The pump set features a Thermal Overload Protector that protects the motor from overloading, shielding of 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 ensures that the pump can be serviced even at remote locations by semi-skilled technicians.

Shielded Ball Bearing
The low noise pumps are fitted with shielded ball bearing; so, no external lubrication is required throughout the life cycle.

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

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 28 Meters
Discharge Range	-	Up to 2700 LPH
Power Rating	-	0.37 kW (0.5 HP)
Pressure Range	-	Up to 2.4 kg/cm^2
Voltage range	-	180 to 260 Volts (Single phase)
Insulation	-	B Class
Protection	-	IP 44

APPLICATIONS

- Bathroom Showers
- Consistent pressure at multi outlets
- Washing machine, Gas Geyser
- Pressurised washing of vehicles
- Kitchenware washing

PERFORMANCE OF STAR GALAXY, PRESSURE BOOSTING SYSTEM, 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													
								6	9	10	12	14	15	18	20	21	22	24	25	26	28
		kW	HP	SUC.	DEL	(Amps)	(Volts)	DISCHARGE IN LITRES PER HOUR													
1	STAR GALAXY	0.37	0.5	25	25	2.6	220	2700	2376	2250	2016	1890	1728	1460	1224	1152	1080	790	720	576	450

Note:

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

Enriching Lives

HL

HI - LIFTER

FEATURES

Longevity and Safety
Corrosion, erosion and rust-free, maintains water hygiene for safe drinking water.

High Pressure Water Supply
Suitable for lifting water to greater heights with high pressure. Ready for conversion into a new generation pressure boosting system.

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

Lightweight and Compact Design
It allows users to carry the pump anywhere with ease, adding to its portability and convenience to use.

Advanced Electrical Design
Lesser current for same output.

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

TECHNICAL SPECIFICATION

Head Range	- Up to 50 Meters
Capacity	- Up to 75 LPM
Power Rating	- 0.37 to 0.93 kW (0.5 to 1.25 HP)
Voltage Range	- 220 Volts±10%
Insulation	- F Class
Protection	- IP44

MATERIAL OF CONSTRUCTION

Pump Casing	- Stainless Steel
Impeller	- Stainless Steel – HL / Noryl – HL MS
Shaft	- Carbon Steel
Mechanical Seal	- Carbon Vs Ceramic

APPLICATIONS

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

PERFORMANCE CHART FOR 'HI – LIFTER (SINGLE STAGE)' PUMPS, 50 HZ FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																	
Sr. No.	Pump Model	Model Rating		Pipe Size (mm)		TOTAL HEAD IN METERS											
						40	36	34	30	26	22	20	16	12	8	5	3
		kW	HP	SUC.	DEL.	DISCHARGE IN LITRES PER MINUTE											
1	ETERNA HL - 23	0.37	0.5	25	25	-	-	-	-	-	-	8	13	20	30	40	50
2	ETERNA HL - 35	0.3	0.4	25	25	-	-	-	7	12	19	24	32	37	42	-	-
3	ETERNA HL - 37	0.55	0.75	25	25	-	5	10	20	30	43	46	49	52	54	-	-
4	ETERNA HL - 42	0.6	0.8	25	25	6	16	21	32	40	45	48	50	51	52	-	-

PERFORMANCE CHART FOR 'HI – LIFTER (MULTI STAGE)' PUMPS, AT RATED VOLTAGE, 50 HZ FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																	
Sr. No.	Pump Model	Model Rating		Pipe Size (mm)		TOTAL HEAD IN METERS											
						50	46	42	38	34	32	30	26	22	18	14	10
		kW	HP	SUC.	DEL.	DISCHARGE IN LITRES PER MINUTE											
1	ETERNA HL - 32MS	0.75	1	25	25	-	-	-	-	-	-	16	36	48	57	63	70
2	ETERNA HL - 42MS	0.75	1	25	25	-	-	23	34	42	48	50	58	64	69	73	75
3	ETERNA HL - 52MS	0.93	1.25	25	25	25	35	41	48	51	54	56	61.5	65	69	75	-

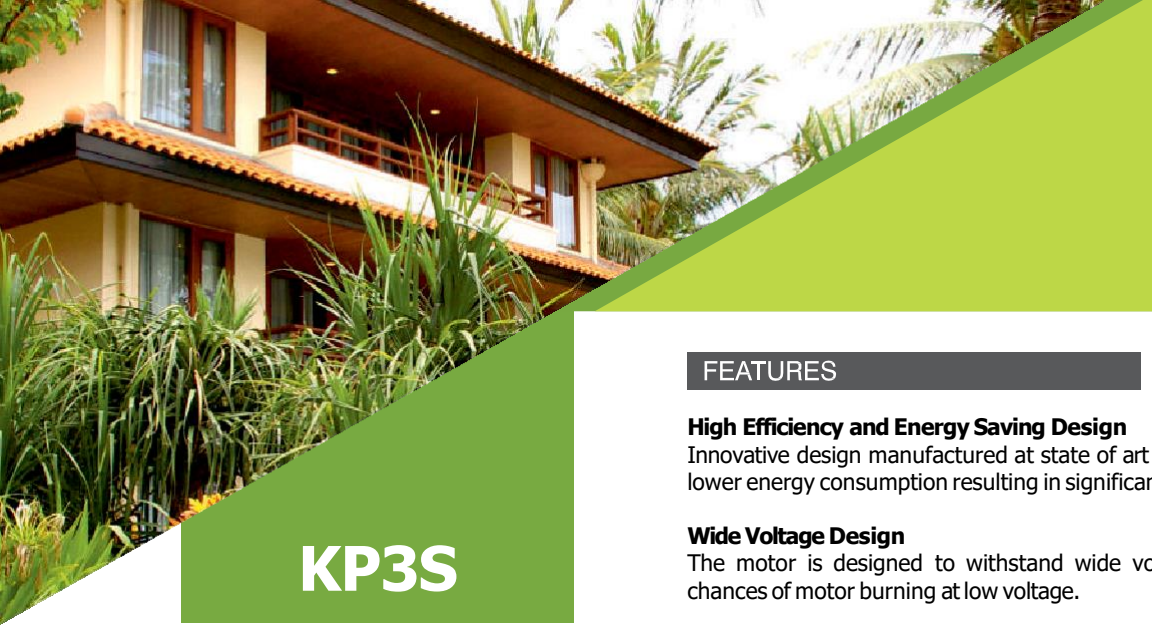
Note:

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

Enriching Lives

SUBMERSIBLE
PRODUCT RANGE

BOREWELL SUBMERSIBLE
8 CM,10 CM & 15 CM OIL COOLED PUMPSETS



Enriching Lives

KP3S

8 CM 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 variations which reduces the chances of motor burning at low voltage.

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

Design to Prevent Overloading
Lesser chances of motor burning even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

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	-	Up to 87 Metres
Discharge Range	-	Up to 96 LPM
Power Rating	-	0.37 to 1.1 kW (0.5 to 1.5 HP)
Voltage Range	-	160 to 240 Volts (Single Phase)
Insulation	-	F Class
Type of Cooling	-	Oil Cooled
Protection	-	IP68

MATERIAL OF CONSTRUCTION

Pump Housing	-	Stainless Steel
Pump Shaft	-	Stainless Steel
Motor Housing	-	Stainless Steel
Motor Shaft	-	Stainless Steel
Pump Bushes	-	LTB
Impeller	-	Noryl
Diffuser	-	Noryl
NRV	-	Cast Iron
Suction	-	Cast Iron
Bearing type	-	Ball bearing

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 8 CM 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	0.75	1.00	15	32	7.8		43	41	36	29	25	22	11	6
4	KP3S - 0620	0.75	1.00	20	32	7.8		57	55	48	38	33	29	15	8
5	KP3S - 0626	0.93	1.25	26	32	9.8		74	71	62	50	43	38	19	11
6	KP3S - 0632	1.10	1.50	32	32	11.7		91	87	76	62	53	47	23	14

Enriching Lives

KU4

10 CM 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 variations which reduces the chances of motor burning at low voltage.

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

Design to Prevent Overloading
Lesser chances of motor burning even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

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	-	Up to 251 Metres
Discharge Range	-	Up to 350 LPM
Power Rating	-	0.37 to 3.70 kW (0.5 to 5.0 HP)
Voltage Range	-	150 to 240 Volts (Single Phase) 280 to 440 Volts (Three Phase)
Insulation	-	F Class
Type of Cooling	-	Oil Cooled
Protection	-	IP68

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

PERFORMANCE CHART FOR 10 CM 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	0.37	0.50	14	32	4.1	NA	Head in Meters	74	69	64	57	50	41	31	20
2	KU4 - 0221	0.55	0.75	21	32	5.0	NA		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 10 CM 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
							NA									
							NA									
									70	69	61					
									115	113	100					
									179	176	156					

PERFORMANCE CHART FOR 10 CM 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 - 0707	0.55	0.75	07	32	5.0	NA	Head in Meters	48	42	40	36	31	25	20	9
2	KU4 - 0708	0.75	1.00	08	32	6.7	2.5		54	48	46	41	35	28	23	11
3	KU4 - 0709	0.75	1.00	09	32	6.7	2.5		61	55	52	46	39	32	26	12
4	KU4 - 0713	1.10	1.50	13	32	9.5	2.9		87	79	75	67	57	46	37	16
5	KU4 - 0718	1.50	2.00	18	32	12.5	4.0		123	109	104	92	79	63	51	23
6	KU4 - 0722	1.87	2.50	22	32	14.25	NA		150	133	127	113	96	77	63	28
7	KU4 - 0727	2.20	3.00	27	32	16.0	6.0		181	164	155	138	118	95	77	34
8	KU4 - 0736	3.00	4.00	36	32	NA	8.5		241	218	207	185	158	126	103	45

PERFORMANCE CHART FOR 10 CM 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
								Head In Meters								
									82	80	79					
						NA			164	160	158					
						NA										

PERFORMANCE CHART FOR 10 CM 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.	Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)		LPM	0	25	50	75	150	160	170	175
		kW	HP			1PH	3PH	m^3/h	0	1.5	3.0	4.5	9.0	9.6	10.2	10.5
	KU4 - 1505	0.75	1.00	05	50	6.7	2.5	Head in Meters	32	31	29	28	17	15	13	12
	KU4 - 1507	1.10	1.50	07	50	9.5	2.9		45	43	41	39	24	21	18	16
	KU4 - 1509	1.50	2.00	09	50	12.5	4.5		57	55	53	50	31	27	23	21
	KU4 - 1512	2.20	3.00	12	50	16.0	6.0		77	73	71	66	42	36	31	28
	KU4 - 1514	2.20	3.00	14	50	16.0	6.0		89	86	82	77	48	42	36	33
	KU4 - 1519	3.00	4.00	19	50	NA	8.5		121	116	112	105	66	57	49	45
	KU4 - 1524	3.70	5.00	24	50	NA	10.0		153	147	141	132	83	72	62	56
	KU4 - 1526	3.70	5.00	26	50	NA	10.0		166	159	153	143	90	78	67	61

PERFORMANCE CHART FOR 10 CM 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	1.10	1.50	04	50	9.5	2.9	Head in Meters	22	21	18	15	12	10	8	5
2	KU4 - 2506	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	3.00	4.00	12	50	NA	8.5		66	62	54	45	35	30	24	15
6	KU4 - 2516	3.70	5.00	16	50	NA	10.0		88	82	72	60	46	40	32	20

Enriching Lives

KP4 JALRAAJ UVA

10 CM 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 variations which reduces the chances of motor burning at low voltage.

Dynamically Balanced Rotating Parts

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

Design To Prevent Overloading

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

Lightweight And Compact Design

Constructed with special grade engineering materials and compact designs hence ease in handling and installation.

Flatter Efficiency Curve

Minimal drop in efficiency during entire operating range, resulting in lower operating cost.

Suitable For Horizontal Applications

Motor with higher capacity shielded ball bearing suitable for operating in the horizontal position

TECHNICAL SPECIFICATION

Head Range	-	Up to 169 Metres
Discharge Range	-	Up to 350 LPM
Power Rating	-	0.37 to 2.2 kW (0.5 to 3.0 HP)
Voltage Range	-	150 to 240 Volts (Single Phase)
Type of Cooling	-	Oil Cooled
Insulation	-	F Class
Protection	-	IP68

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

Enriching Lives

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - "KP4 JALRAAJ UVA" OIL FILLED SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE, 50 HZ FREQUENCY, AC SUPPLY

KP4 JALRAAJ UVA 30 SERIES

S. No.	Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current	LPM	0	17	21	27	30	36	45	52
		kW	HP			1Ø	m^3/h	0.0	1.0	1.3	1.6	1.8	2.2	2.7	3.1
1	UVA 30-0507	0.37	0.50	7	32	4.1	Head in Meters	51	47	46	44	40	35	25	16
2	UVA 30-0810	0.55	0.75	10	32	5.0		73	68	66	63	58	50	35	23
3	UVA 30-1012	0.75	1.00	12	32	6.7		87	81	79	75	69	60	42	27
4	UVA 30-1014	0.75	1.00	14	32	6.7		102	95	92	88	81	70	49	32
5	UVA 30-1016	0.75	1.00	16	32	6.7		116	108	106	100	92	80	56	36
6	UVA 30-1520	1.10	1.50	20	32	9.5		145	135	132	125	115	100	70	45
7	UVA 30-2025	1.50	2.00	25	32	11.0		181	169	165	156	144	125	88	56

KP4 JALRAAJ UVA 60 SERIES

S. No.	Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current	LPM	0	15	30	45	60	72	92	100
		kW	HP			1Ø	m^3/h	0.0	0.9	1.8	2.7	3.6	4.3	5.5	6.0
1	UVA 60-1006	0.75	1.00	6	32	6.7	Head in Meters	48	46	43	38	31	26	12	8
2	UVA 60-1008	0.75	1.00	8	32	6.7		64	62	58	51	41	34	17	10
3	UVA 60-1010	0.75	1.00	10	32	6.7		79	77	72	63	51	43	21	13
4	UVA 60-1512	1.10	1.50	12	32	9.5		95	92	86	76	62	51	25	15
5	UVA 60-1514	1.10	1.50	14	32	9.5		111	108	101	88	72	60	29	18
6	UVA 60-2016	1.50	2.00	16	32	11.0		127	123	115	101	82	68	33	20

KP4 JALRAAJ UVA 150 SERIES

S. No.	Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current	LPM	0	105	120	135	150	165	180	195
		kW	HP			1Ø	m^3/h	0.0	6.3	7.2	8.1	9.0	9.9	10.8	11.7
1	UVA 150-2008	1.50	2.00	8	50	11.0	Head in Meters	52	43	41	38	33	29	24	17

KP4 JALRAAJ UVA 250 SERIES

S. No.	Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current	LPM	0	100	150	200	250	275	300	350
		kW	HP			1Ø	m^3/h	0.0	6.0	9.0	12.0	15.0	16.5	18.0	21.0
1	UVA 250-3009	2.20	3.00	9	50	16.0	Head in Meters	50	44	39	34	30	26	22	14

Enriching Lives

KU6i

15 CM BOREWELL
SUBMERSIBLE PUMPS

FEATURES

Higher Efficiencies and Lower Power Consumption

Innovative motor designs with the advantage of better lubricating and cooling properties of oil deliver unmatched performances with 4 to 5% higher efficiencies at less power consumption, having considerable savings in electricity bills.

Suitable For Horizontal Applications

Ideal for horizontal applications with the advantages of ball bearing construction, these pumps are perfect for horizontal applications.

Suitable For Low Voltage Operations

Impressive in low voltage operations with ball bearing construction lubricated with oil and with no vertical movement of rotor assembly supports the motor to perform well even in low voltage conditions.

Design For Continuous Working

Incredible motor designs with Rotor made from 99.9% EC grade Copper, "S1" duty motors with "F" class insulation make them suitable for continuous working without any adverse effect on the pump life.

Lesser Chances Of Motor Burning

Indigenously designed and developed motor comes with "F" class insulation and is capable of working in a wide voltage band in adverse conditions.

Original Performances For Years

International standard NEMA coupling with lesser transmission losses, lesser wear and tear and efficient hydraulics design performances last longer.

Longer Life And Minimal Maintenace Cost

Inexpensive on cost of maintenance, motors are prefilled with oil having better lubrication and heat transfer properties, which reduces friction and ensures substantial savings from maintenance costs.

No Health Hazard

Inefficacious on health, all the motors are prefilled with non-toxic, non-hazardous purified paraffin oil, which has no fear of health hazard

Unmatched Warranty

Inscription of Indian International product with an unmatched 24-month warranty

TECHNICAL SPECIFICATION

Head Range	-	Up to 325 Metres
Discharge Range	-	Up to 530 LPM
Power Rating	-	2.2 to 15.0 kW (3.0 to 20.0 HP)
Voltage Range	-	250 to 440 Volts (Three Phase)*
Type of Cooling	-	Oil Cooled
Insulation	-	F Class
Protection	-	IP68

*Under ideal condition with suitable cable size.

MATERIAL OF CONSTRUCTION

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

Enriching Lives

PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - KU6i HHN 210 SERIES WITH OIL FILLED MOTORS AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. N.	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								
1	**KU6i HHN 210 - 0305**	2.2	3.0	5	50	6.3	Head in Meters	61	57	55	52	49	44	40	35
2	**KU6i HHN 210 - 0407**	3.0	4.0	7	50	7.9		85	80	77	73	69	62	56	49
3	**KU6i HHN 210 - 0508**	3.7	5.0	8	50	9.3		97	91	88	83	78	71	64	56
4	**KU6i HHN 210 - 0610**	4.5	6.0	10	50	11.8		121	114	110	104	98	89	80	70
5	**KU6i HHN 210 - 0812**	5.5	7.5	12	50	14.5		146	137	132	125	118	106	96	84
6	**KU6i HHN 210 - 1016**	7.5	10.0	16	50	18.0		194	182	176	166	157	142	128	112
7	**KU6i HHN 210 - 1319**	9.3	12.5	19	50	22.5		230	217	209	198	186	168	152	133
8	**KU6i HHN 210 - 1524**	11.0	15.0	24	50	26.0		291	274	264	250	235	212	192	168
9	**KU6i HHN 210 - 1829**	13.0	17.5	29	50	32.5		352	331	319	302	284	257	232	203

PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - KU6i HHN 240 SERIES WITH OIL FILLED MOTORS AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. N.	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								
1	**KU6i HHN 240 - 0304**	2.2	3.0	4	50	6.3	Head in Meters	56	55	52	48	43	38	29	20
2	**KU6i HHN 240 - 0405**	3.0	4.0	5	50	7.9		70	68	65	60	54	47	36	24
3	**KU6i HHN 240 - 0506**	3.7	5.0	6	50	9.3		84	82	78	72	65	56	44	29
4	**KU6i HHN 240 - 0608**	4.5	6.0	8	50	11.8		112	109	103	95	87	75	58	39
5	**KU6i HHN 240 - 0810**	5.5	7.5	10	50	14.5		140	137	129	119	108	94	73	49
6	**KU6i HHN 240 - 1012**	7.5	10.0	12	50	18.0		169	164	155	143	130	113	88	59
7	**KU6i HHN 240 - 1315**	9.3	12.5	15	50	22.5		211	205	194	179	163	141	109	73
8	**KU6i HHN 240 - 1518**	11.0	15.0	18	50	26.0		253	246	233	215	195	169	131	88
9	**KU6i HHN 240 - 1821**	13.0	17.5	21	50	32.5		295	287	271	250	228	197	153	102
10	**KU6i HHN 240 - 2024**	15.0	20.0	24	50	36.5		337	328	310	286	260	225	175	117

PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - KU6i HHN 300 SERIES WITH OIL FILLED MOTORS AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S.N.	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								
1	KU6i HHN 300 - 0505	3.7	5.0	5	65	9.3	Head in Meters	72	67	63	58	52	44	35	23
2	KU6i HHN 300 - 0606	4.5	6.0	6	65	11.8		86	80	76	70	62	53	42	28
3	KU6i HHN 300 - 0808	5.5	7.5	8	65	14.5		115	107	101	93	83	70	56	37
4	KU6i HHN 300 - 1010	7.5	10.0	10	65	18.0		144	134	126	116	104	88	70	46
5	KU6i HHN 300 - 1312	9.3	12.5	12	65	22.5		172	161	151	139	125	106	84	55
6	KU6i HHN 300 - 1515	11.0	15.0	15	65	26.0		215	201	189	174	156	132	105	69
7	KU6i HHN 300 - 1818	13.0	17.5	18	65	32.5		258	241	227	209	187	158	126	83
8	KU6i HHN 300 - 2020	15.0	20.0	20	65	36.5		287	268	252	232	208	176	140	92

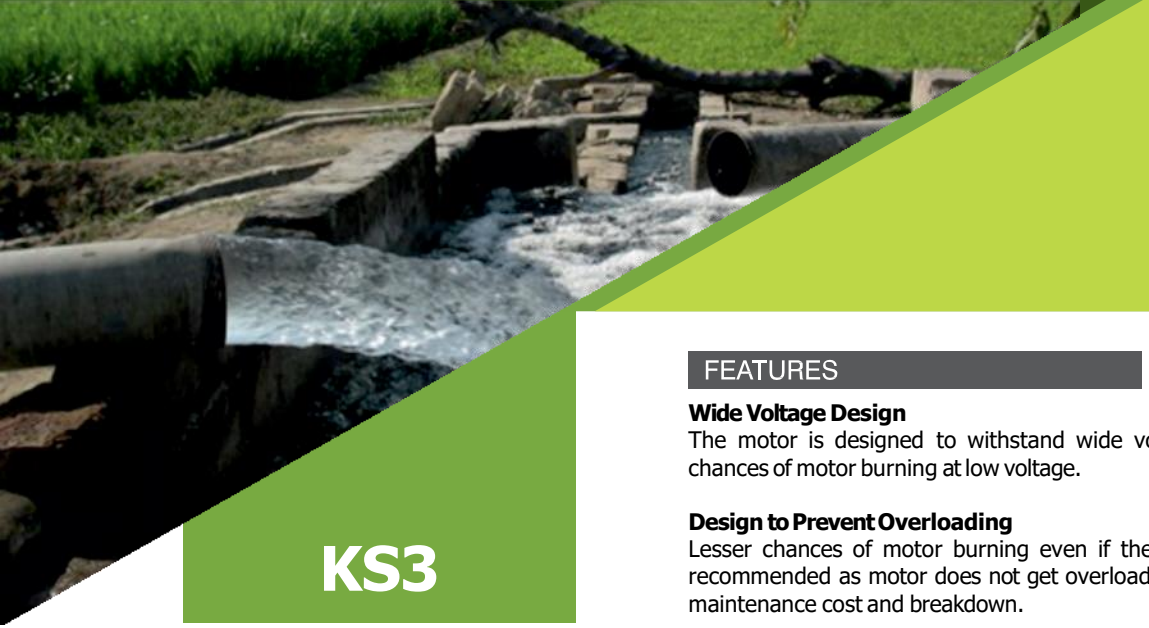
PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - KU6i HHN 350 SERIES WITH OIL FILLED MOTORS AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S.N.	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								
1	KU6i HHN 350 - 0403	3.0	4.0	3	65	8.5	Head in Meters	45	44	41	38	34	29	23	16
2	KU6i HHN 350 - 0504	3.7	5.0	4	65	10.0		60	59	55	51	45	39	31	21
3	KU6i HHN 350 - 0605	4.5	6.0	5	65	12.0		75	73	68	63	57	48	38	27
4	KU6i HHN 350 - 0806	5.5	7.5	6	65	14.5		90	88	82	76	68	58	46	32
5	KU6i HHN 350 - 1008	7.5	10.0	8	65	19.5		120	117	109	101	91	77	61	43
6	KU6i HHN 350 - 1310	9.3	12.5	10	65	25.0		150	147	137	127	113	97	77	53
7	KU6i HHN 350 - 1512	11.0	15.0	12	65	29.0		180	176	164	152	136	116	92	64
8	KU6i HHN 350 - 1814	13.0	17.5	14	65	34.0		210	205	191	177	159	135	107	75
9	KU6i HHN 350 - 2016	15.0	20.0	16	65	39.0		240	235	219	203	181	155	123	85

Enriching Lives

SUBMERSIBLE
PRODUCT RANGE

BOREWELL SUBMERSIBLE
8 CM & 10 CM WATER COOLED PUMPSET



Enriching Lives

KS3

8 CM BOREWELL
SUBMERSIBLE PUMPS

FEATURES

Wide Voltage Design
The motor is designed to withstand wide voltage variations which reduces the chances of motor burning at low voltage.

Design to Prevent Overloading
Lesser chances of motor burning even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

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

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

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

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

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

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	-	Up to 131 Metres
Discharge Range	-	Up to 95 LPM
Power Rating	-	0.37 to 1.1 kW (0.5 to 1.5 HP)
Voltage Range	-	160 to 240 Volts (Single Phase)
Insulation	-	B Class
Type of Cooling	-	Water Cooled
Protection	-	IP68

MATERIAL OF CONSTRUCTION

Pump Housing	-	Stainless Steel
Pump Shaft	-	Stainless Steel
Motor Housing	-	Stainless Steel
Motor Shaft	-	Stainless Steel
Thrust Bearing	-	Carbon + Stainless Steel
Pump / Motor Bushes	-	LTB
Impeller	-	Noryl
Diffuser	-	Noryl
NRV	-	Cast Iron
Suction	-	Cast Iron

APPLICATIONS

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

PERFORMANCE CHART FOR 8 CM 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 kW	Power Rating HP	No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	9	14	18	23	27	32	40
							m^3/h								
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 8 CM BOREWELL SUBMERSIBLE PUMPSETS - KS3D SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. No.	Pump Model	kW	HP	No of Stages	Size (mm)	Current (Amp.)	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

PERFORMANCE CHART FOR 8 CM BOREWELL SUBMERSIBLE PUMPSETS - KS3 PURNA 60 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S.No.	Pump Model	kW	HP	Stages	Size (mm)	Current (Amp.)	m^3/h	0	30	40	50	57	65	75	95
								0.0	1.8	2.4	3.0	3.4	3.9	4.5	5.7
	KS3 PURNA 60 - 0505	0.37	0.50	5	32	4.4	Head in Meters	22	19	17	15	13	12	10	5
	KS3 PURNA 60 - 0808	0.55	0.75	8	32	6.0		34	30	26	23	21	18	15	8
	KS3 PURNA 60 - 1010	0.75	1.00	10	32	7.8		43	37	33	29	26	23	19	10
	KS3 PURNA 60 - 1312	0.93	1.25	12	32	9.7		52	44	40	35	31	28	23	12
	KS3 PURNA 60 - 1515	1.1	1.50	15	32	10.5		65	56	50	44	39	35	29	15

Enriching Lives

KS4

10 CM BOREWELL
SUBMERSIBLE PUMPS

FEATURES

Wide Voltage Design
The motor is designed to withstand wide voltage variations which reduces the chances of motor burning at low voltage.

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

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

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

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

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

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 520 Metres
Discharge Range	-	Up to 420 LPM
Power Rating	-	0.37 to 5.5 kW (0.5 to 7.5 HP)
Voltage Range	-	160 to 240 Volts (Single Phase) 280 to 440 Volts (Three Phase)
Insulation	-	B Class
Type of Cooling	-	Water Cooled
Protection	-	IP68

MATERIAL OF CONSTRUCTION

Pump Housing	-	Stainless Steel
Pump Shaft	-	Stainless Steel
Motor Housing	-	Stainless Steel
Motor Shaft	-	Stainless Steel
Thrust Bearing	-	Carbon + Stainless Steel
Pump / Motor Bushes	-	NBR / LTB
Impeller	-	Noryl
Diffuser	-	Noryl
NRV	-	Cast Iron
Suction	-	Cast Iron

APPLICATIONS

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

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KS4 - AN SERIES AT RATED VOLTAGE OF 220 VOLTS SINGLE PHASE /415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

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

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KS4 - BN SERIES AT RATED VOLTAGE OF 220 VOLTS SINGLE PHASE /415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

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

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

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

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KS4 - E SERIES AT RATED VOLTAGE OF 220 VOLTS SINGLE PHASE /415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	30	45	60	80	90	105	120
		kW	HP			1PH	3PH	m^3/h	0	1.8	2.7	3.6	4.5	5.4	6.3	7.2
1	KS4E-1004	0.75	1.00	04	38	7.5	3.0	Head In Meters	33	31	30	29	24	22	21	18
2	KS4E-1506	1.10	1.50	06	38	10.5	4.0		49	46	45	43	36	33	32	26
3	KS4E-2008	1.50	2.00	08	38	13.8	4.8		65	62	60	57	48	44	42	35
4	KS4E-3012	2.20	3.00	12	38	19.8	6.9		98	92	89	86	71	66	63	53
5	KS4E-4016	3.00	4.00	16	38	23	9.0		130	123	119	114	95	88	84	70
6	KS4E-5020	3.70	5.00	20	38	30	10.6		163	154	149	143	119	110	105	88
7	KS4E-5021	3.70	5.00	21	38	30	10.6		171	162	156	150	125	116	110	92
8	KS4E-6025	4.50	6.00	25	38	NA	12.6		203	193	186	179	149	138	131	110
9	KS4E-8030	5.50	7.50	30	38	NA	15.5		244	231	224	215	179	165	158	132

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

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KS4 - G SERIES AT RATED VOLTAGE OF 220 VOLTS SINGLE PHASE /415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	60	90	120	150	170	180	240
		kW	HP			1PH	3PH	m^3/h	0	3.6	5.4	7.2	9.0	10.2	10.8	14.4
1	KS4G-2008	1.50	2.00	08	50	13.8	4.8	Head in Meters	54	52	48	42	36	31	29	14
2	KS4G-3011	2.20	3.00	11	50	19.8	6.9		74	71	65	58	50	42	40	19
3	KS4G-4015	3.00	4.00	15	50	23	9.0		101	97	89	80	68	57	55	26
4	KS4G-5017	3.70	5.00	17	50	30	10.6		115	110	101	90	77	65	62	29

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

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KS4 - HF SERIES AT RATED VOLTAGE OF 220 VOLTS SINGLE PHASE /415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY																
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	60	90	120	150	180	210	240
		kW	HP			1PH	3PH	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

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KS4 - HF SERIES AT RATED VOLTAGE OF 220 VOLTS SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)		LPM	0	20	40	60	90	120	150	170
		kW	HP			1PH	3PH	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 FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KS4 - HH SERIES AT RATED VOLTAGE OF 220 VOLTS SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY														
S. No.	Model	Power Rating		No of Stages	Pipe Size (mm)	Rated Current (Amp.)		LPM	0	6	18	24	30	36	42
		kW	HP			1PH	3PH	m^3/h	0	0.4	1.1	1.4	1.8	2.2	2.5
1	KS4HH - 1020	0.75	1.0	20	32	9.0	3.0	Head in Meters	138	130	126	105	95	80	56
2	KS4HH - 1525	1.1	1.5	25	32	12.6	4.0		174	163	158	131	119	100	70

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

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KS4 - 'B' HIGH HEAD SERIES RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENC Y, AC SUPPLY															
S. No.	Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM								
		kW	HP			3PH	m^3/h								
1	KS4B-6060	4.50	6.00	60	32	12.6	Head in Meters	440	416	372	328	296	200	72	28
2	KS4B-8075	5.50	7.50	75	32	15.5		550	520	465	410	370	250	90	35

Enriching Lives

NEO

10 CM BOREWELL
SUBMERSIBLE PUMPS

FEATURES

Wide Voltage Range Operability

The motor is designed to withstand wide voltage variations from 180 - 240 Volts which reduces the chances of motor burning at low voltage.

High Efficiency and Energy-saving Design

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

Dynamically Balanced Rotating Parts

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

Longer and Trouble Free Life

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

Advanced Water Cooled Motors Designs

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

Sand Fighter Designs

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

CED - Cathodic Electro Deposition Coating

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

Nationwide Service Network

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

Pump Housing	-	Stainless Steel
Pump Shaft	-	Stainless Steel
Motor Housing	-	Stainless Steel
Motor Shaft	-	Stainless Steel
Thrust Bearing	-	Carbon + Stainless Steel
Pump/Motor Bushes	-	NBR / LTB
Impeller	-	Noryl
Diffuser	-	Noryl
NRV	-	Cast Iron
Suction	-	Cast Iron

APPLICATIONS

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

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

NEO 25 SERIES

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

NEO 30 SERIES

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

NEO 35 SERIES

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

NEO 60 SERIES

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

Enriching Lives

SUBMERSIBLE
PRODUCT RANGE

BOREWELL SUBMERSIBLE PUMPS
15 CM,17.5 CM, 20 CM & 22.5 CM

Enriching Lives

KS6

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

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

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

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

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

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

Design to Prevent Overloading
Lesser chances of motor burning even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 276 Metres
Discharge Range	-	Up to 1540 LPM
Power Rating	-	1.5 to 18.5 kW (2 to 25 HP)
Voltage Range	-	160 to 240 Volts (Single Phase) 200 to 440 Volts (Three Phase)*
Insulation	-	B Class
Type of Cooling	-	Water Cooled
Protection	-	IP68

*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 15 CM BOREWELL SUBMERSIBLE PUMPSETS - KS6-180 SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY

S. No.	Model	Power Rating		No. of Stages	Outlet Size (mm)	Rated Current (ampere)	LPM	0	60	120	160	180	240	270	300
		kW	HP			3Ø	m^3/h	0.0	3.6	7.2	9.6	10.8	14.4	16.2	18.0
1	KS6 180 - 0205	1.5	2.0	5	50	4.5	Head in Meters	48	46	41	36	35	24	18	9
2	KS6 180 - 0206	1.5	2.0	6	50	4.5		57	55	49	43	42	29	21	11
3	KS6 180 - 0408	3.0	4.0	8	50	8.5		76	74	65	57	56	39	28	15
4	KS6 180 - 0409	3.0	4.0	9	50	8.5		86	83	74	65	63	44	32	17
5	KS6 180 - 0410	3.0	4.0	10	50	8.5		95	92	82	72	70	48	35	18
6	KS6 180 - 0411	3.0	4.0	11	50	8.5		105	101	90	79	77	53	39	20
7	KS6 180 - 0512	3.7	5.0	12	50	10.0		114	110	98	86	84	58	42	22
8	KS6 180 - 0613	4.5	6.0	13	50	12.0		124	120	106	93	91	63	46	24
9	KS6 180 - 0614	4.5	6.0	14	50	12.0		133	129	114	100	98	68	49	26
10	KS6 180 - 0615	4.5	6.0	15	50	12.0		143	138	123	108	105	73	53	28
11	KS6 180 - 0816	5.5	7.5	16	50	14.5		153	147	131	115	112	77	56	29
12	KS6 180 - 0820	5.5	7.5	20	50	14.5		191	184	163	143	140	97	70	37
13	KS6 180 - 1024	7.5	10.0	24	50	19.5		229	221	196	172	168	116	84	44
14	KS6 180 - 1330	9.3	12.5	30	50	25.0		286	276	245	215	210	145	105	55

PERFORMANCE CHART FOR 15 CM 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	2.2	3.0	3	50	6.5	Head in Meters	34	33	32	30	27	21	17	8
2	KS6C' - 0405	3.0	4.0	5	50	8.5		57	55	53	50	44	35	28	14
3	KS6C' - 0506	3.7	5.0	6	50	10.0		68	66	63	60	53	42	33	17
4	KS6C' - 0607	4.5	6.0	7	50	12.0		79	77	74	70	62	49	39	19
5	KS6C' - 0808	5.5	7.5	8	50	14.5		91	88	84	80	71	56	44	22
6	KS6C' - 0809	5.5	7.5	9	50	14.5		102	100	95	90	80	63	50	25
7	KS6C' - 0810	5.5	7.5	10	50	14.5		113	111	106	100	89	69	56	28
8	KS6C' - 1011	7.5	10.0	11	50	19.5		125	122	116	110	98	76	61	31
9	KS6C' - 1012	7.5	10.0	12	50	19.5		136	133	127	120	107	83	67	33
10	KS6C' - 1313	9.3	12.5	13	50	25.0		147	144	137	130	116	90	72	36
11	KS6C' - 1315	9.3	12.5	15	50	25.0		170	166	158	150	133	104	83	42
12	KS6C' - 1516	11.0	15.0	16	50	29.0		181	177	169	160	142	111	89	44
13	KS6C' - 1518	11.0	15.0	18	50	29.0		204	199	190	180	160	125	100	50
14	KS6C' - 1820	13.0	17.5	20	50	34.0		227	221	211	200	178	139	111	56
15	KS6C' - 2024	15.0	20.0	24	50	39.0		272	265	253	240	213	167	133	67

RADIAL FLOW PUMPS

PERFORMANCE CHART FOR 15 CM 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	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	3.7	5.0	5	50	10.0	Head in Meters	60	59	53	50	45	40	34	26
2	KS6C - 0606	4.5	6.0	6	50	12.0		71	70	63	59	54	47	40	31
3	KS6C - 0807	5.5	7.5	7	50	14.5		83	82	74	69	63	55	47	36
4	KS6C - 0808	5.5	7.5	8	50	14.5		95	94	84	79	72	63	54	42
5	KS6C - 1010	7.5	10.0	10	50	19.5		119	117	105	99	90	79	67	52
6	KS6C - 1312	9.3	12.5	12	50	25.0		143	140	126	119	108	95	80	62
7	KS6C - 1515	11.0	15.0	15	50	29.0		179	176	158	149	135	119	101	78
8	KS6C - 1817	13.0	17.5	17	50	34.0		202	199	179	168	153	134	114	88
9	KS6C - 2018	15.0	20.0	18	50	39.0		214	211	189	178	162	142	121	94
10	KS6C - 2020	15.0	20.0	20	50	39.0		238	234	210	198	180	158	134	104

MIX FLOW PUMPS

PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) - KS6D 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	KS6D - 0504	3.7	5.0	4	65	10	Head in Meters	51	48	45	43	39	36	31	19
2	KS6D - 0505	3.7	5.0	5	65	10		64	59	56	53	49	45	39	23
3	KS6D - 0806	5.5	7.5	6	65	14.5		77	71	68	64	59	54	47	28
4	KS6D - 1008	7.5	10.0	8	65	19.5		103	95	90	85	79	72	63	38
5	KS6D - 1310	9.3	12.5	10	65	25		128	119	113	106	98	89	78	47
6	KS6D - 1512	11.0	15.0	12	65	29		154	143	135	128	118	107	94	56
7	KS6D - 1814	13.0	17.5	14	65	34		180	166	158	149	137	125	109	66
8	KS6D - 2016	15.0	20.0	16	65	39		206	190	180	170	157	143	125	75

MIX FLOW PUMPS

PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX 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

MIX FLOW PUMPS

PERFORMANCE CHART FOR 15 CM 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	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 15 CM 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 15 CM 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

Enriching Lives

KS7

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

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

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

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

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

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

Design to Prevent Overloading
Lesser chances of motor burning even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 81 Metres
Discharge Range	-	Up to 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 Cooled
Protection	-	IP68

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	-	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

PERFORMANCE CHART FOR 17.5 CM 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 17.5 CM 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 - 2007	15.0	20.0	7	100	39.0		104	75	72	68	60	47	40	33	25

PERFORMANCE CHART FOR 17.5 CM 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 - 2506	18.5	25.0	6	100	48.0		99	81	75	68	62	53	41	26	21

PERFORMANCE CHART FOR 17.5 CM 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

Enriching Lives

PERFORMANCE CHART FOR 17.5 CM BOREWELL SUBMERSIBLE PUMPSETS - KS7 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 - 1302	9.3	12.5	2	100	25.0		34	-	28	27	26	25	24	23	22	20	19	17	15
3	KS7C - 0802	5.5	7.5	2	100	14.5		30	-	26	25	24	23	22	21	19	17	16	-	-
4	KS7C - 1303	9.3	12.5	3	100	25.0		46	40	38	37	36	34	33	31	29	26	23	-	-
5	KS7C - 1804	13.0	17.5	4	100	34.0		61	53	51	49	47	45	44	41	39	35	31	-	-

Enriching Lives

KS8

20 CM BOREWELL
SUBMERSIBLE PUMPS

FEATURES

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Design to Prevent Overloading
Lesser chances of motor burning even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (RADIAL FLOW) KS8D AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	300	400	500	600	700	800	950
		kW	HP				m^3/h	0.0	18.0	24.0	30.0	36.0	42.0	48.0	57.0
1	KS8D - 1004	7.5	10.0	4	80	19.5	Head in Meters	82	74	70	64	56	47	37	15
2	KS8D - 1305	9.3	12.5	5	80	25.0		102	90	87	80	70	58	45	19
3	KS8D - 1506	11.0	15.0	6	80	29.0		122	109	103	96	85	70	53	23
4	KS8D - 1807	13.0	17.5	7	80	34.0		143	127	120	111	99	81	62	27
5	KS8D - 2008	15.0	20.0	8	80	39.0		163	145	138	128	111	92	70	30
6	KS8D - 2510	18.5	25.0	10	80	48.0		204	180	172	160	140	118	90	38
7	KS8D - 3012	22.0	30.0	12	80	57.0		245	218	208	191	169	140	108	46
8	KS8D - 3514	26.0	35.0	14	80	66.0		286	255	240	223	196	163	125	53

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (RADIAL FLOW) KS8E AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	240	360	480	650	720	840	960
		kW	HP				m^3/h	0	14.4	21.6	28.8	39.0	43.2	50.4	57.6
1	KS8E - 1003	7.5	10.0	3	80	19.5	Head in Meters	60	58	54	50	40	35	24	12
2	KS8E - 1504	11.0	15.0	4	80	29.0		80	77	72	67	55	46	32	15
3	KS8E - 1805	13.0	17.5	5	80	34.0		100	97	90	83	69	58	40	19
4	KS8E - 2006	15.0	20.0	6	80	39.0		120	116	108	100	80	69	48	23
5	KS8E - 2507	18.5	25.0	7	80	48.0		141	135	127	117	95	81	57	27
6	KS8E - 3009	22.0	30.0	9	80	57.0		181	174	163	150	121	104	73	35
7	KS8E - 3510	26.0	35.0	10	80	66.0		201	193	181	167	136	115	81	38
8	KS8E - 4012	30.0	40.0	12	80	76.0		241	232	217	200	162	138	97	46
9	KS8E - 4513	33.0	45.0	13	80	82.0		261	251	235	217	176	150	105	50
10	KS8E - 5014	37.0	50.0	14	80	85.0		281	270	253	234	190	162	113	54

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) KS8F AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	700	900	1100	1300	1500	1700	1900
		kW	HP				m^3/h	0.0	42.0	54.0	66.0	78.0	90.0	102.0	114.0
1	KS8F - 2004	15.0	20.0	4	100	39.0	Head in Meters	75	63	59	54	48	40	31	19
2	KS8F - 2505	18.5	25.0	5	100	48.0		94	79	74	68	60	50	38	24
3	KS8F - 3006	22.0	30.0	6	100	57.0		113	95	89	82	72	60	46	29
4	KS8F - 3507	26.0	35.0	7	100	66.0		132	111	104	95	83	70	54	33
5	KS8F - 4008	30.0	40.0	8	100	76.0		151	127	119	109	95	80	61	38
6	KS8F - 4509	33.0	45.0	9	100	82.0		170	143	134	122	107	90	69	43
7	KS8F - 5010	37.0	50.0	10	100	85.0		189	158	148	136	119	100	77	48
8	KS8F - 6012	45.0	60.0	12	100	100.0		226	190	178	163	143	120	92	57

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) KS8G AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	500	800	1000	1200	1400	1500	1600
		kW	HP				m^3/h	0.0	30.0	48.0	60.0	72.0	84.0	90.0	96.0
1	KS8G - 1303	9.3	12.5	3	100	25.0	Head in Meters	58	49	43	39	35	27	23	19
2	KS8G - 1804	13.0	17.5	4	100	34.0		77	66	58	52	46	36	31	25
3	KS8G - 2005	15.0	20.0	5	100	39.0		96	82	72	65	58	45	38	32
4	KS8G - 2506	18.5	25.0	6	100	48.0		115	99	87	78	69	54	46	38
5	KS8G - 3007	22.0	30.0	7	100	57.0		135	115	101	91	81	63	54	44
6	KS8G - 3508	26.0	35.0	8	100	66.0		154	132	116	104	92	72	61	51
7	KS8G - 4009	30.0	40.0	9	100	76.0		173	148	130	117	104	81	69	57
8	KS8G - 4510	33.0	45.0	10	100	82.0		192	164	144	130	116	90	77	63
9	KS8G - 5012	37.0	50.0	12	100	85.0		231	197	173	156	139	108	92	76

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) KS8P AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

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

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) KS8B - 'A' AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	800	1100	1400	1700	2000	2300	2700
		kW	HP				m^3/h	0.0	48.0	66.0	84.0	102.0	120.0	138.0	162.0
1	KS8B - 1502	11.0	15.0	2	125	29.0	Head in Meters	37	36	32	30	26	22	16	9
2	KS8B - 3004	22.0	30.0	4	125	57.0		73	71	65	59	53	45	32	18
3	KS8B - 4005	30.0	40.0	5	125	76.0		92	89	81	74	66	56	40	22
4	KS8B - 5006	37.0	50.0	6	125	85.0		110	107	97	89	79	67	48	26

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) KS8B - 'B' AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	900	1200	1500	1800	2100	2400	2700
		kW	HP				m^3/h	0.0	54.0	72.0	90.0	108.0	126.0	144.0	162.0
1	KS8B - 1802	13.0	17.5	2	125	34.0	Head in Meters	39	35	34	31	28	24	19	12
2	KS8B - 2003	15.0	20.0	3	125	39.0		59	53	51	47	42	36	28	18
3	KS8B - 3504	26.0	35.0	4	125	66.0		79	70	68	62	56	48	38	24
4	KS8B - 4505	33.0	45.0	5	125	82.0		99	88	85	78	70	60	47	30

PERFORMANCE CHART FOR 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIXED FLOW) KS8B - 'C' 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	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 20 CM BOREWELL SUBMERSIBLE PUMPSETS (MIX FLOW) KS8 AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

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

Enriching Lives

KS9

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

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

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

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

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

Design to Prevent Overloading
Lesser chances of motor burning even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

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

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

PERFORMANCE CHART FOR 22.5 CM BOREWELL SUBMERSIBLE PUMPSETS - KS9A SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	1300	1600	1900	2200	2500	2800	3150
		kW	HP			3PH	m^3/h	0	78	96	114	132	150	168	189
1	KS9A - 2502	18.50	25.0	2	125	48.0	Head in Meters	55	46	43	40	36	32	27	20
2	KS9A - 4003	30.0	40.0	3	125	76.0		82	68	64	60	55	49	40	30
3	KS9A - 5004	37.0	50.0	4	125	85.0		110	91	86	80	73	65	54	40
4	KS9A - 6005	45.0	60.0	5	125	100.0		137	114	107	100	91	81	67	50

PERFORMANCE CHART FOR 22.5 CM BOREWELL SUBMERSIBLE PUMPSETS - KS9C SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	1800	2000	2200	2400	2600	2800	3000
		kW	HP			3PH	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

HHF/HHN

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

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

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

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

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

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

Design to Prevent Overloading
Lesser chances of motor burning even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

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

TECHNICAL SPECIFICATION

Head	-	Up to 427 Metres
Discharge Range	-	Up to 650 LPM
Power Rating	-	2.2 to 18.5 kW / 3 to 25 HP
Voltage Range	-	200 to 440 Volts (Three Phase)*
Insulation	-	B Class
Type of Cooling	-	Water Cooled
Protection	-	IP68

*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	-	NBR / LTB	NBR / 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 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 60HHN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	120	150	180	210	240	270	300
		kW	HP			3Ø	m^3/h	0.0	7.2	9.0	10.8	12.6	14.4	16.2	18.0
1	60HHN - 0305	2.2	3.0	5	50	6.5	Head in Meters	61	57	55	52	49	44	40	35
2	60HHN - 0407	3.0	4.0	7	50	8.5		85	80	77	73	69	62	56	49
3	60HHN - 0508	3.7	5.0	8	50	10.0		97	91	88	83	78	71	64	56
4	60HHN - 0610	4.5	6.0	10	50	12.0		121	114	110	104	98	89	80	70
5	60HHN - 0812	5.5	7.5	12	50	14.5		146	137	132	125	118	106	96	84
6	60HHN - 1016	7.5	10.0	16	50	19.5		194	182	176	166	157	142	128	112
7	60HHN - 1319	9.3	12.5	19	50	25.0		230	217	209	198	186	168	152	133
8	60HHN - 1524	11.0	15.0	24	50	29.0		291	274	264	250	235	212	192	168
9	60HHN - 1829	13.0	17.5	29	50	34.0		352	331	319	302	284	257	232	203

PERFORMANCE CHART FOR 15 CM 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	3.0	4.0	5	50	8.5		70	68	65	60	54	47	36	24
3	80HHN - 0506	3.7	5.0	6	50	10.0		84	82	78	72	65	56	44	29
4	80HHN - 0608	4.5	6.0	8	50	12.0		112	109	103	95	87	75	58	39
5	80HHN - 0810	5.5	7.5	10	50	14.5		140	137	129	119	108	94	73	49
6	80HHN - 1012	7.5	10.0	12	50	19.5		169	164	155	143	130	113	88	59
7	80HHN - 1315	9.3	12.5	15	50	25.0		211	205	194	179	163	141	109	73
8	80HHN - 1518	11.0	15.0	18	50	29.0		253	246	233	215	195	169	131	88
9	80HHN - 1821	13.0	17.5	21	50	34.0		295	287	271	250	228	197	153	102
10	80HHN - 2024	15.0	20.0	24	50	39.0		337	328	310	286	260	225	175	117

PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 100HHN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY

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

PERFORMANCE CHART FOR 15 CM 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 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 50HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY

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

PERFORMANCE CHART FOR 15 CM 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	3.7	5.0	8	50	10.0		127	118	112	105	97	84	67	47
5	60HHF - 0610	4.5	6.0	10	50	12.0		159	147	139	132	121	105	84	59
6	60HHF - 0812	5.5	7.5	12	50	14.5		191	177	167	158	145	126	101	71
7	60HHF - 1013	7.5	10.0	13	50	19.5		207	192	181	171	157	137	109	77
8	60HHF - 1016	7.5	10.0	16	50	19.5		254	236	223	211	194	168	135	94
9	60HHF - 1319	9.3	12.5	19	50	25.0		302	280	265	250	230	200	160	112
10	60HHF - 1524	11.0	15.0	24	50	29.0		381	354	335	316	291	253	202	141
11	60HHF - 1829	13.0	17.5	29	50	34.0		461	427	404	382	351	305	244	171

PERFORMANCE CHART FOR 15 CM 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	3.7	5.0	6	50	10.0		98	94	89	83	69	55	45	35
4	80HHF - 0607	4.5	6.0	7	50	12.0		115	109	104	97	81	64	53	41
5	80HHF - 0810	5.5	7.5	10	50	14.5		164	156	149	139	115	91	75	58
6	80HHF - 1012	7.5	10.0	12	50	19.5		197	187	179	167	138	109	90	70
7	80HHF - 1315	9.3	12.5	15	50	25.0		246	234	224	209	173	137	113	87
8	80HHF - 1518	11.0	15.0	18	50	29.0		295	281	268	250	207	164	135	104
9	80HHF - 1821	13.0	17.5	21	50	34.0		344	328	313	292	242	191	157.5	122
10	80HHF - 2024	15.0	20.0	24	50	39.0		394	374	358	334	276	218	180	139

PERFORMANCE CHART FOR 15 CM 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	2.2	3.0	3	50	6.5	Head in Meters	50	48	45	43	38	31	20	8
2	100HHF - 0404	3.0	4.0	4	50	8.5		66	63	60	57	51	42	27	11
3	100HHF - 0505	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	5.5	7.5	8	50	14.5		133	127	120	113	101	83	53	21
6	100HHF - 1010	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 15 CM 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	3.7	5.0	4	65	10.0		64	64	62	55	45	32	16	5
3	125HHF - 0605	4.5	6.0	5	65	12.0		81	80	78	69	57	40	20	6
4	125HHF - 0806	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

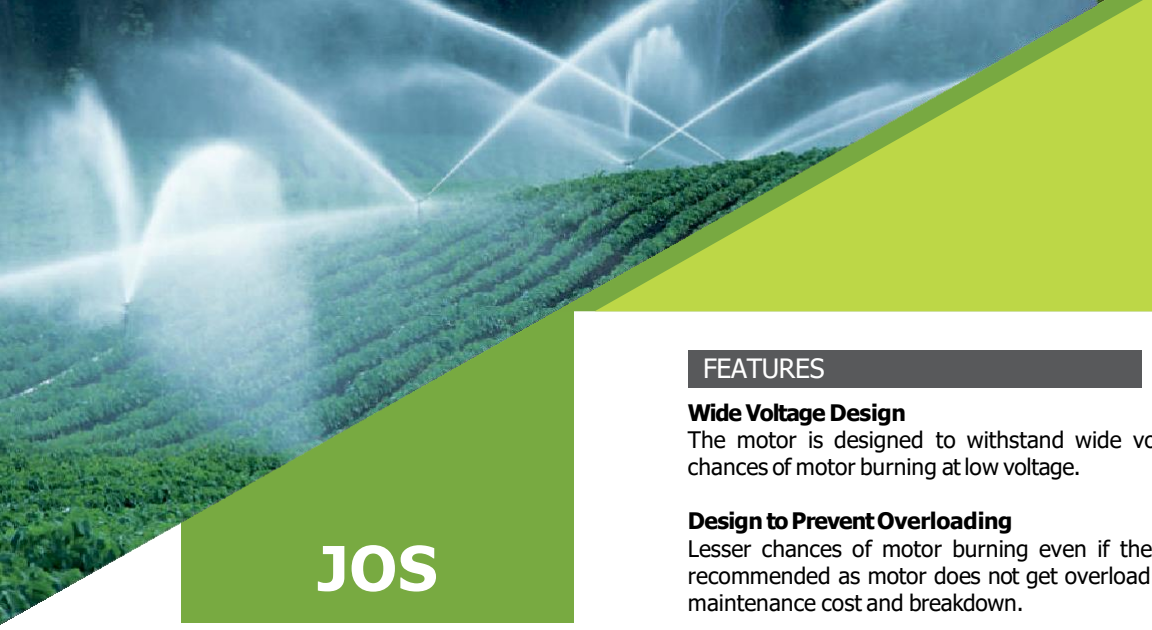
PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 150HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY															
S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	180	240	300	360	420	480	540
		kW	HP				m^3/h	0.0	10.8	14.4	18.0	21.6	25.2	28.8	32.4
1	150HHF - 0503	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	5.5	7.5	5	65	14.5		80	75	72	68	62	49	36	16
4	150HHF - 1007	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

PERFORMANCE CHART FOR 15 CM 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	200HHF - 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	5.5	7.5	4	65	14.5		60	60	60	57	49	36	16	6
4	200HHF - 1005	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 - 2010	15.0	20.0	10	65	39.0		151	150	149	142	122	91	41	14

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 variations which reduces the chances of motor burning at low voltage.

Design to Prevent Overloading
Lesser chances of motor burning even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

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

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

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

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

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 64 Metres
Discharge Range	-	Up to 48.5 LPS
Power Rating	-	2.2 to 15 kW (3 to 20 HP)
Voltage Range*	-	200 to 440 Volts (Three Phase)
Insulation	-	PP
Protection	-	IP68

*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 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															
							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	**JOS - 326**	2.2	3	65	65	380	-	13.2	12.4	11.6	10.4	8.8	7.2	4.4	-	-	-	-	-	-	-	-
2	**JOS - 330**	2.2	3	65	50	380	11.9	11.5	11.0	10.4	9.7	9.0	8.0	6.6	4.8	2.0	-	-	-	-	-	-
3	**JOS - 335**	2.2	3	50	40	380	-	-	-	-	-	-	-	-	5.8	5.4	4.8	4.2	3.2	2.2	-	-
4	**JOS - 531**	3.7	5	65	65	380	-	-	-	14.8	14.4	13.9	13.4	12.4	11.5	9.2	6.0	-	-	-	-	-
5	**JOS - 540**	3.7	5	65	50	380	-	-	-	-	-	-	-	11.3	10.8	10.2	9.2	8.4	6.8	5.2	3.2	-
6	**JOS - 835**	5.5	7.5	80	65	380	-	-	-	-	20.2	19.9	19.2	18.5	17.2	15.8	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	-	-	-	-	-	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	15.7	15.2	14.6	14.0	13.4	12.7	11.8	11.0	10.1	9.2	7.8	6.0	4.0		-	-
9	**JOS - 854**	5.5	7.5	65	50	380	-	-	-	-	-	-	13.0	12.3	11.6	10.9	10.0	9.0	8.0	6.5	4.0	-
10	**JOS - 1040**	7.5	10	80	65	380	20.0	19.3	18.5	17.7	16.8	15.9	14.5	13.3	12.0	10.5	-	-	-	-	-	-
11	**JOS - 1050**	7.5	10	65	65	380	-	-	-	-	-	-	-	11.6	11.2	10.6	10.2	9.5	8.8	8.0	7.0	6.0
12	**JOS - 2040**	15	20	100	100	380	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	65	50	380	-	-	-	-	-	-	-	-	7.4	7.2	7.0	6.6	6.2	5.6	4.7	3.6

Enriching Lives

JVS

VERTICAL
OPENWELL PUMPS

FEATURES

Wide Voltage Design
The motor is designed to withstand wide voltage variations which reduces the chances of motor burning at low voltage.

Design to Prevent Overloading
Lesser chances of motor burning even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

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

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

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

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

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

TECHNICAL SPECIFICATION

Head	-	Up to 147 Metres
Capacity	-	Up to 840 LPM
Power Rating	-	2.2 to 15 kW / 3 to 20 HP
Voltage Range	-	200 to 440 Volts (Three Phase)*
Insulation	-	PP
Protection	-	IP68

*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:

- Performance applicable to liquid of specific gravity 1 and viscosity as of water.
- 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
Automatically releases air when the pump starts ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

Design to Prevent Overloading
Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a heat lower than recommended, thus ensuring substantial cost saving due to low 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 vibration protect components from damage during the operation, thus ensuring 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 and Flexible Design
Designed to run directly through pulley with engine / motor.

TECHNICAL SPECIFICATION

		Engine Coupled	Motor Coupled
Head	-	Up to 44 Metres	Up to 32 Meters
Discharge Range	-	Up to 96.5 LPS	Up to 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 : 150 x 150 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				

Enriching Lives

PERFORMANCE CHART FOR NW /NW+ /NWD ENERGY EFFICIENT IE2 MOTOR COUPLED PUMPS AT RATED SPEED

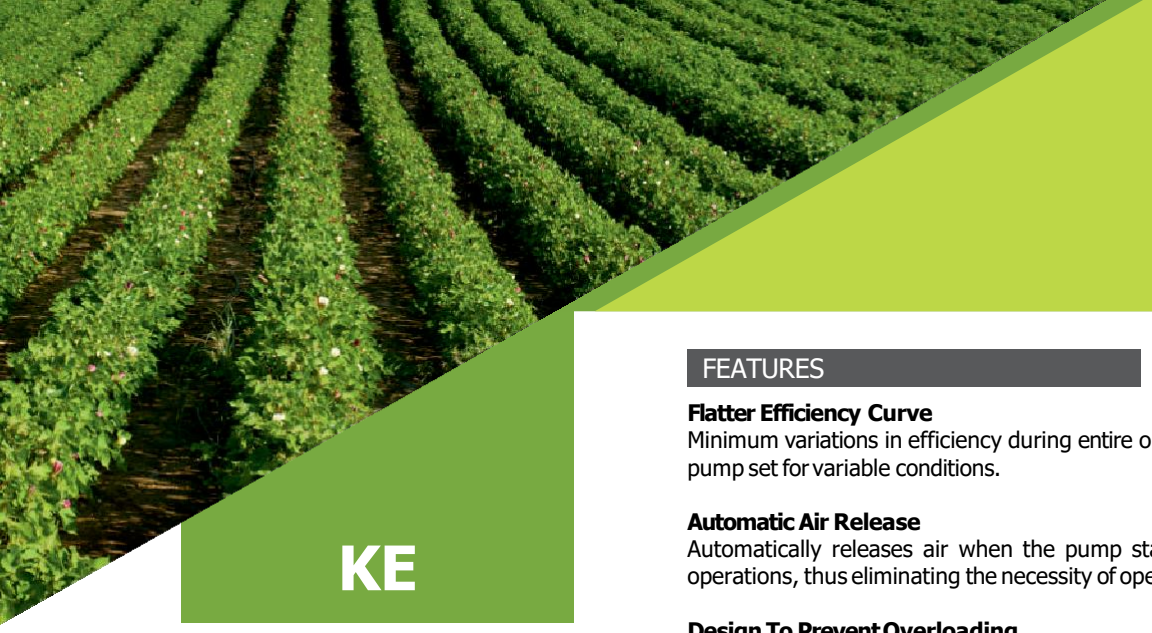
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METRES															
		kW	HP	SUC.	DEL			6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
								DISCHARGE IN LITRES PER SECOND																
1	NW1++	2.2	3	65	50	1400	223	-	-	-	-	-	-	14.0	12.9	11.6	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 : 150 x 150 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
Automatically releases air when the pump starts ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

Design To Prevent Overloading
Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a heat lower than recommended, thus ensuring substantial cost saving due to low 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 vibration protect components from damage during the operation, thus ensuring 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	-	Up to 23 Metres
Discharge Range	-	Up to 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
Automatically releases air when the pump starts ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

Design To Prevent Overloading
Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a heat lower than recommended, thus ensuring substantial cost saving due to low 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 vibration protect components from damage during the operation, thus ensuring 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	-	Up to 52 Metres
Discharge Range	-	Up to 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 1 and 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
Automatically releases air when the pump starts ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

Design To Prevent Overloading
Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a heat lower than recommended, thus ensuring substantial cost saving due to low 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 vibration protect components from damage during the operation, thus ensuring 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	-	Up to 104 Metres
Discharge Range	-	Up to 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

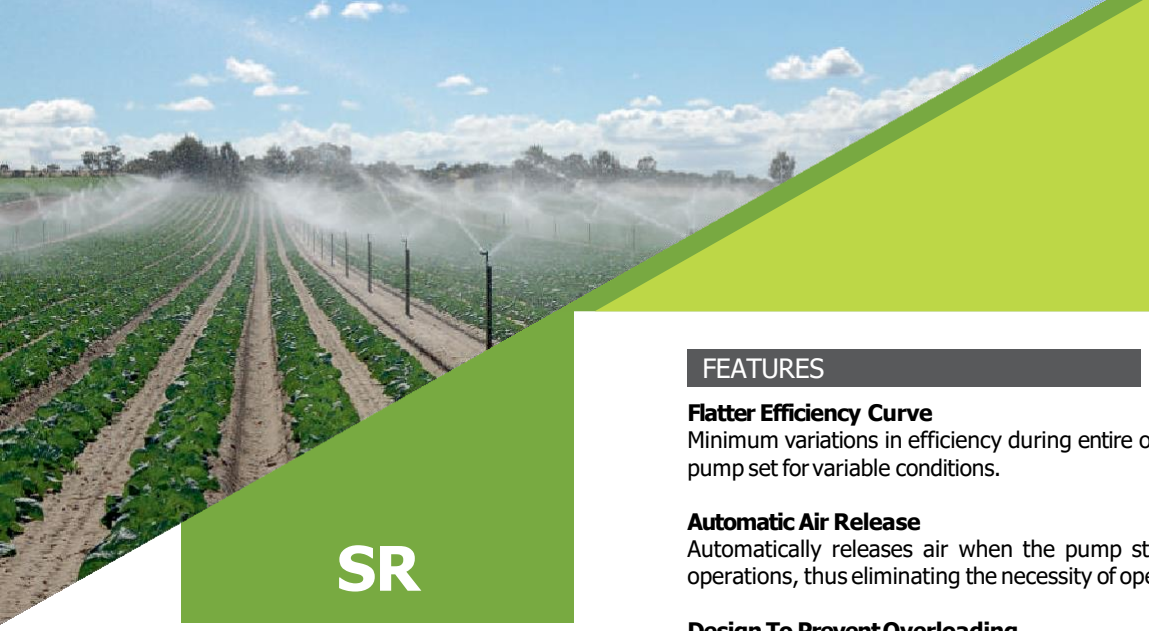
APPLICATIONS

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

PERFORMANCE CHART FOR 'KHDT+' END SUCTION PUMPS AT RATED SPEED																				
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	TOTAL HEAD IN METRES													
							22	24	26	28	30	32	34	36	38	40	42	44	46	48	52
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND														
1	KHDT - 544+	3.7	5.0	65	50	2870	-	7.2	7.0	6.7	6.4	6.1	5.7	5.3	4.9	4.4	3.7	-	-	-	-
2	KHDT - 844+	5.5	7.5	80	65	2900	13.0	12.7	12.2	11.8	11.3	10.9	10.3	9.8	9.2	8.5	7.8	7.0	5.5	-	-
3	KHDT - 1050+	7.5	10.0	80	65	2900	14.5	14.2	14.0	13.7	13.4	13.0	12.6	12.3	11.8	11.3	10.8	10.3	9.6	9.0	7.2
							32	34	38	42	46	50	54	58	62	66	70	74	78	82	86
4	KHDT - 568+	3.7	5.0	50	40	2870	-	4.4	4.1	3.8	3.5	3.0	2.6	2.0	1.0	-	-	-	-	-	-
5	KHDT - 864+	5.5	7.5	65	50	2900	7.7	7.5	7.1	6.6	6.2	5.6	5.0	4.2	-	-	-	-	-	-	-
6	KHDT - 1078+	7.5	10.0	65	50	2900	-	8.4	8.2	7.9	7.5	7.2	6.8	6.3	5.6	4.9	3.8	-	-	-	-
7	KHDT - 1580+	11.0	15.0	65	65	2880	-	-	-	-	-	10.8	10.3	9.7	9.1	8.4	7.7	7.0	6.1	5.0	3.5
8	KHDT - 2070+	15.0	20.0	80	65	2900	-	-	-	19.4	18.4	17.2	15.8	14.4	12.8	11.0	-	-	-	-	-
							50	54	60	62	66	70	74	78	82	86	90	94	98	102	104
9	KHDT - 1388+	9.3	12.5	65	50	2900	-	-	7.1	6.9	6.6	6.2	5.8	5.3	4.8	4.1	3.1	-	-	-	-
10	KHDT - 1598+	11.0	15.0	65	50	2880	-	-	-	-	-	-	7.1	6.7	6.4	6.0	5.6	5.0	4.4	3.5	2.6
11	KHDT - 2095+	15.0	20.0	65	65	2900	-	-	-	12.7	12.2	11.5	10.8	10.1	9.2	8.2	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
Automatically releases air when the pump starts ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

Design To Prevent Overloading
Lesser chances of motor burning as it does not get overloaded even if the pump is operated at a heat lower than recommended, thus ensuring substantial cost saving due to low 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 vibration protect components from damage during the operation, thus ensuring 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	-	Up to 136 Metres
Discharge Range	-	Up to 14.8 LPM
Power Rating	-	5.9 to 19 kW (8 to 26 HP) with Engine 3.7 to 9.3 kW (5 to 12.5 HP)

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																		
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated SPEED (RPM)	TOTAL HEAD IN METERS											
							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	8.5	7.0	5.8	

PERFORMANCE CHART FOR 'SR' SERIES, MOTOR COUPLED END SUCTION PUMPS AT RATED SPEED															
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated SPEED (RPM)	TOTAL HEAD IN METERS								
							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).

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