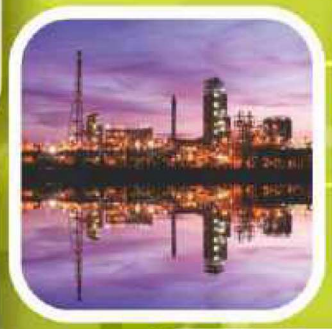
ORIGINAL KIRLOSKAR PUMP



Kirloskar

Enriching Lives

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

KIRLOSKAR PUMPS
VERSATILE AND RELIABLE,
FOR EVERY USE, EVERYWHERE

PRODUCT CATALOGUE

KIRLOSKAR BROTHERS LIMITED
Established 1888
A Kirloskar Group Company

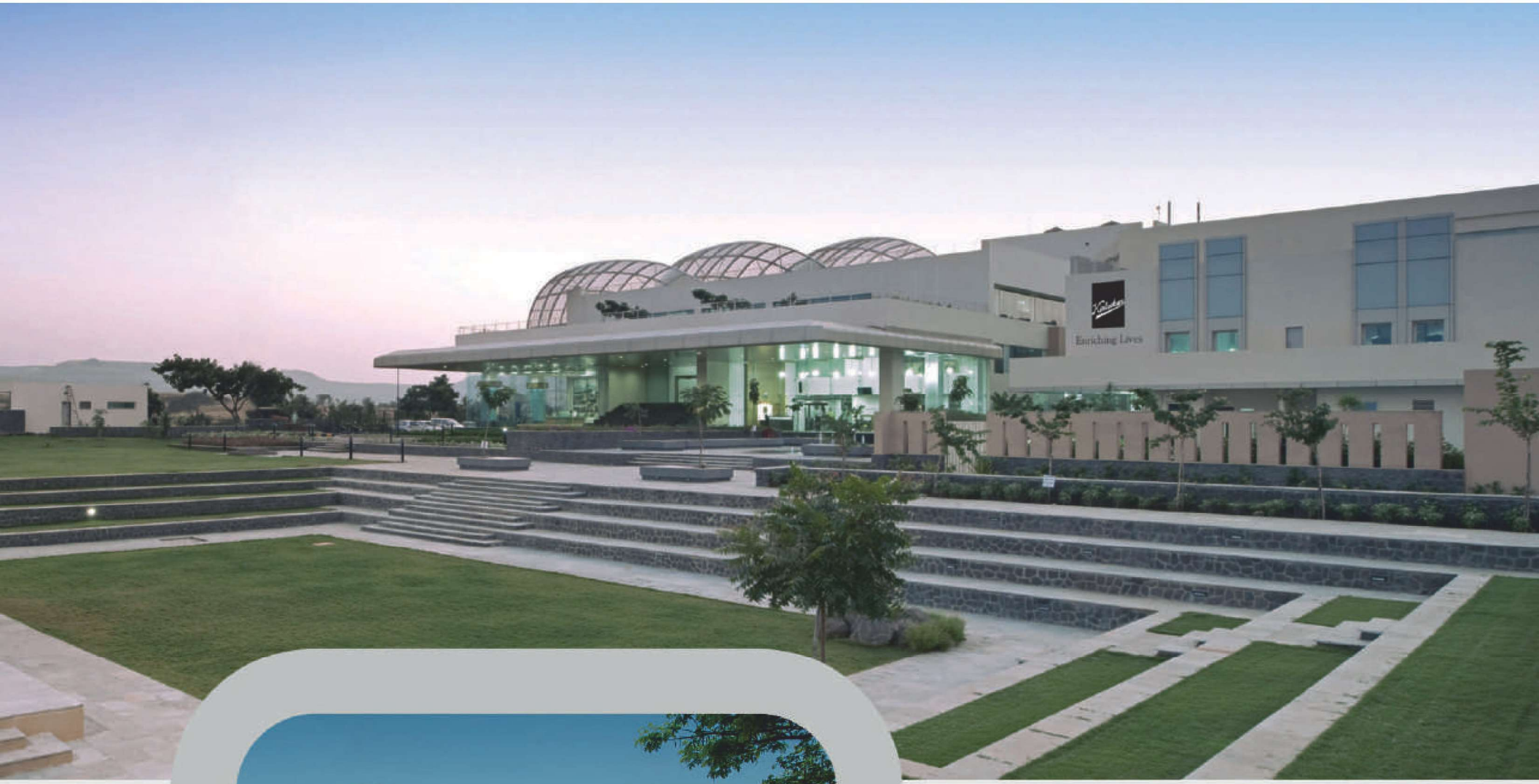
A HISTORY OF **EXCELLENCE**

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

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

As one of the largest pump manufacturers in India, KBL offers over 75 types of pumps in over 500 variants with up to 1,200 metre head and discharge of up to 120,000 cubic metres per hour. These pumps ensure the lowest life cycle cost; 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

Enriching Lives

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

Enriching Lives

CONTENT

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

Enriching Lives

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																	
							6	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	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.

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 to 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 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																		
		kW	HP	SUC.	DEL.		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	44
							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

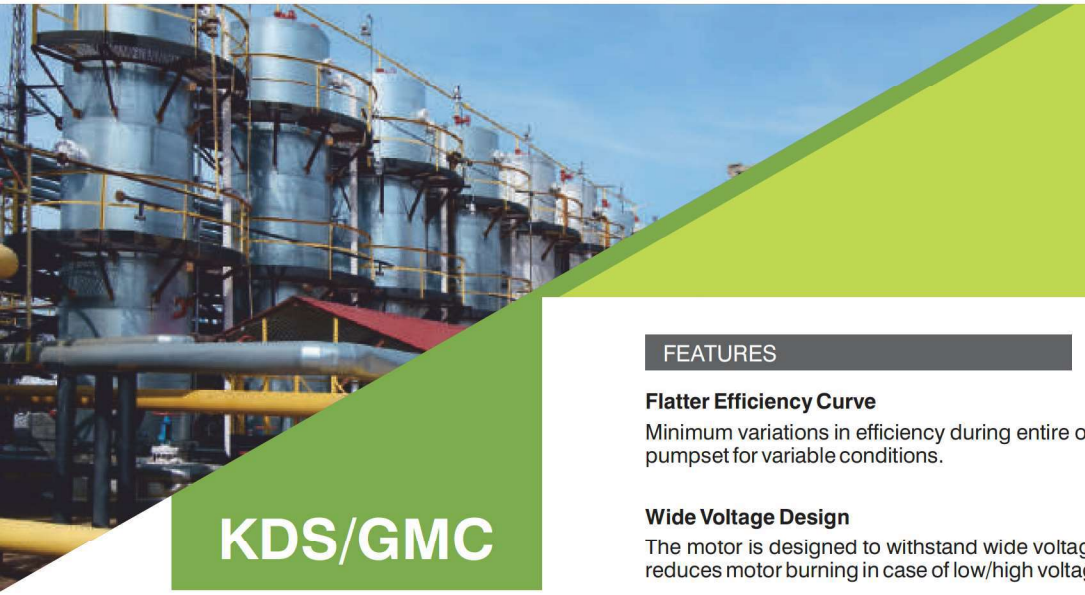
- Air conditioning and refrigeration systems
- Cooling towers
- Clear water handling at high pressure in industries
- Irrigation in horticulture & agriculture
- Fire fighting systems

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:

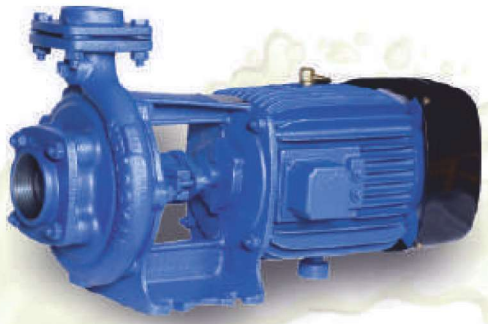
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.



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:

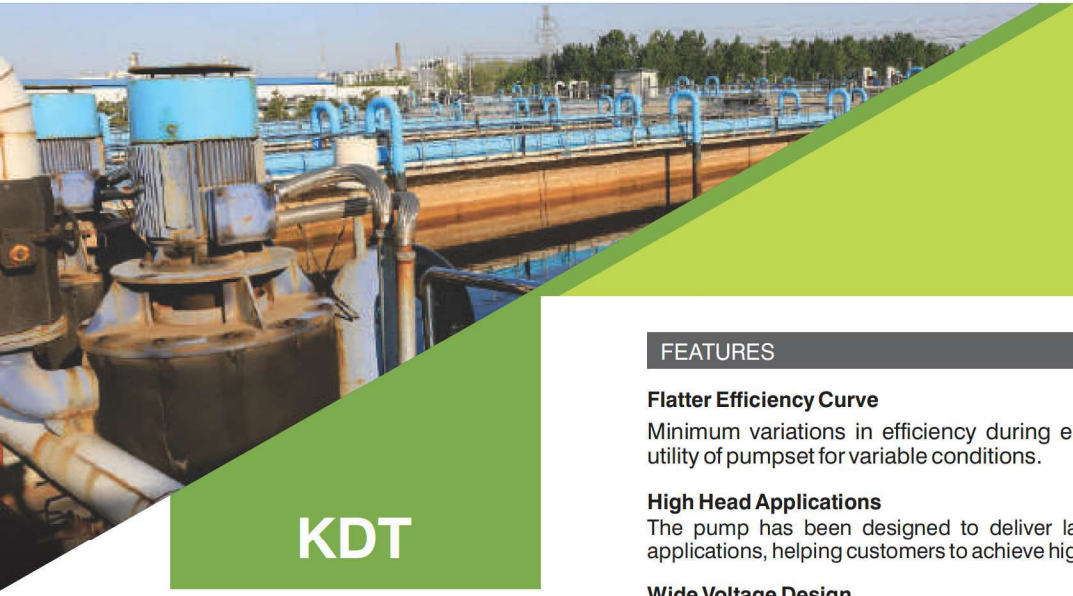
- All the pump set from 0.5 HP to 1.5 HP in mechanical seal arrangement and 2.0 HP to 20.0 HP in Gland pack arrangement except KDS - 212+ which is supplied only in mechanical seal arrangement.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid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

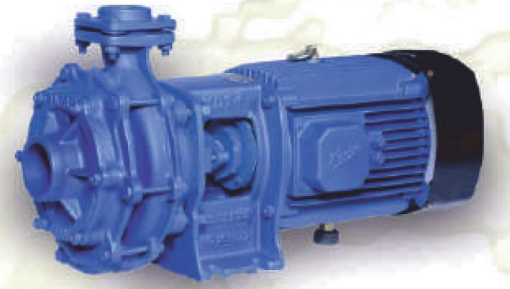


Enriching Lives

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

Enriching Lives

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

Enriching Lives

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

Enriching Lives

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

Enriching Lives

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

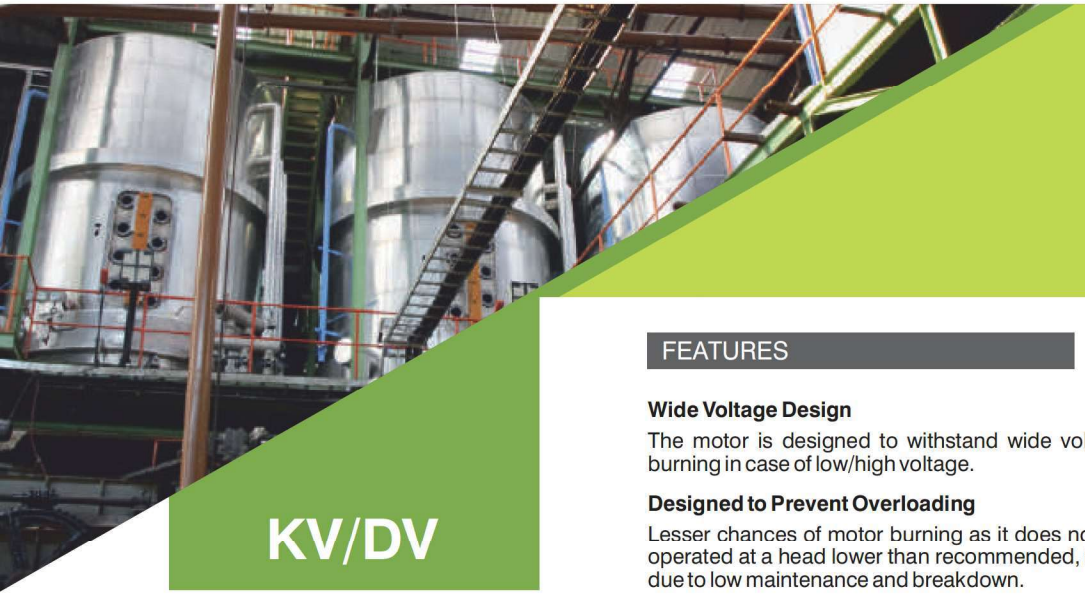
Note:

- 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

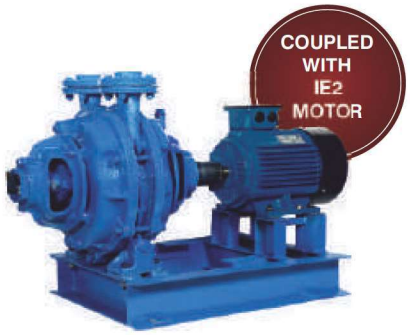
		KV	DV
Vacuum	-	Up to 600 mm of mercury	Up to 600 mm of mercury
Air Flow Rate	-	Up to 55 m^3/hr (at mean sea level)	Up to 162 m^3/hr (at mean sea level)
Power Rating	-	0.75 to 2.2 kW (1 to 3 HP)	3.7 to 7.5 kW (5 to 10 HP)
Voltage Range	-	180 to 240 Volts (Single Phase) 300 to 440 Volts (Three Phase)	375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

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 m^3/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								
							1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
		kW	HP	SUC.	DEL.		TOTAL HEAD IN METRES								
1	KSIL/KCIL3-2	0.37	0.5	32	32	2	13	12	12	11	11	11	10	8	8
2	KSIL/KCIL3-3	0.37	0.5	32	32	3	19	19	18	17	16	16	15	14	12
3	KSIL/KCIL3-4	0.37	0.5	32	32	4	25	24	23	22	20	19	18	17	14
4	KSIL/KCIL3-5	0.37	0.5	32	32	5	31	31	29	27	25	24	22	20	17
5	KSIL/KCIL3-6	0.55	0.75	32	32	6	37	36	35	33	30	29	28	24	21
6	KSIL/KCIL3-7	0.55	0.75	32	32	7	43	42	40	37	35	33	31	28	24
7	KSIL/KCIL3-8	0.75	1.0	32	32	8	51	48	47	44	41	39	37	33	28
8	KSIL/KCIL3-9	0.75	1.0	32	32	9	56	54	51	48	45	43	40	36	30
9	KSIL/KCIL3-10	0.75	1.0	32	32	10	62	60	57	54	50	48	45	40	33
10	KSIL/KCIL3-11	1.1	1.5	32	32	11	69	66	63	60	56	53	50	44	38
11	KSIL/KCIL3-12	1.1	1.5	32	32	12	75	72	69	65	61	58	55	48	41
12	KSIL/KCIL3-13	1.1	1.5	32	32	13	80	78	74	70	65	62	58	51	44
13	KSIL/KCIL3-15	1.1	1.5	32	32	15	92	89	85	80	73	70	66	58	49
14	KSIL/KCIL3-17	1.5	2.0	32	32	17	107	104	100	94	87	83	79	70	59
15	KSIL/KCIL3-19	1.5	2.0	32	32	19	119	116	111	104	97	93	88	77	65
16	KSIL/KCIL3-21	2.2	3.0	32	32	21	133	129	124	117	109	104	99	88	75
17	KSIL/KCIL3-23	2.2	3.0	32	32	23	146	141	135	128	119	114	108	95	81
18	KSIL/KCIL3-25	2.2	3.0	32	32	25	158	153	146	138	128	123	117	102	87
19	KSIL/KCIL3-27	2.2	3.0	32	32	27	170	164	157	148	138	132	125	110	93
20	KSIL/KCIL3-29	2.2	3.0	32	32	29	182	176	168	159	147	140	133	118	100
21	KSIL/KCIL3-31	3	4.0	32	32	31	197	191	183	173	161	153	146	128	110
22	KSIL/KCIL3-33	3	4.0	32	32	33	210	203	194	183	170	162	152	137	116
23	KSIL/KCIL3-36	3	4.0	32	32	36	228	221	211	200	185	177	168	149	126

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 m^3/hr								
							1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0
		kW	HP	SUC.	DEL.		TOTAL HEAD IN METRES								
1	KSIL/KCIL4-2	0.37	0.50	32	32	2	19	18	17	15	13	10	8	6
2	KSIL/KCIL4-3	0.55	0.75	32	32	3	28	27	26	24	20	18	14	10
3	KSIL/KCIL4-4	0.75	1.00	32	32	4	38	36	34	32	27	24	18	13
4	KSIL/KCIL4-5	1.10	1.50	32	32	5	47	45	43	40	34	31	23	17
5	KSIL/KCIL4-6	1.10	1.50	32	32	6	56	54	52	48	41	37	28	20
6	KSIL/KCIL4-7	1.50	2.00	32	32	7	66	63	61	56	48	43	34	24
7	KSIL/KCIL4-8	1.50	2.00	32	32	8	74	72	70	64	55	50	38	27
8	KSIL/KCIL4-9	2.20	3.00	32	32	9	86	81	78	72	63	56	44	32
9	KSIL/KCIL4-10	2.20	3.00	32	32	10	96	90	87	81	71	62	50	34
10	KSIL/KCIL4-11	2.20	3.00	32	32	11	105	99	95	88	78	68	53	39
11	KSIL/KCIL4-12	2.20	3.00	32	32	12	114	108	104	95	85	75	57	41
12	KSIL/KCIL4-13	3.00	4.00	32	32	13	123	117	113	103	93	82	63	45
13	KSIL/KCIL4-14	3.00	4.00	32	32	14	136	126	122	112	101	89	69	48
14	KSIL/KCIL4-15	4.00	5.50	32	32	15	142	135	131	120	108	95	73	52
15	KSIL/KCIL4-16	4.00	5.50	32	32	16	152	144	140	129	115	101	78	55
16	KSIL/KCIL4-17	4.00	5.50	32	32	17	163	153	149	137	122	108	83	62
17	KSIL/KCIL4-18	4.00	5.50	32	32	18	175	162	158	145	129	115	89	65
18	KSIL/KCIL4-19	4.00	5.50	32	32	19	183	171	168	153	137	122	95	67
19	KSIL/KCIL4-20	4.00	5.50	32	32	20	192	180	176	161	144	127	99	72
20	KSIL/KCIL4-21	4.00	5.50	32	32	21	203	190	184	169	152	132	103	75
21	KSIL/KCIL4-22	4.00	5.50	32	32	22	211	200	192	178	160	138	108	79

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

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

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.

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 m^3/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 m^3/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						
							50	60	70	80	90	100	110
		kW	HP	SUC.	DEL.		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

Enriching Lives

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

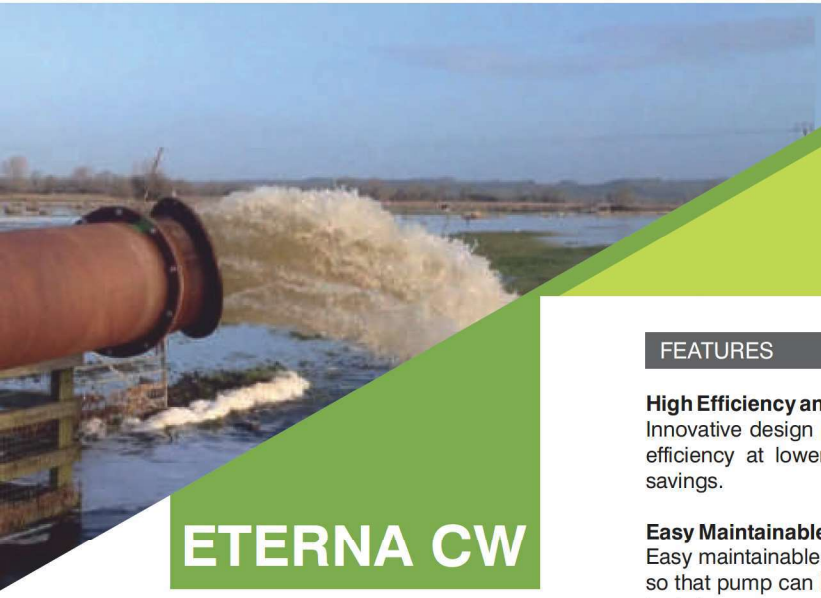
Note:

- 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	-	$< 1.2 \times 10^3$ kg/m^3
Maximum Ambient Temperature	-	40 °C
Insulation	-	B/ E Class

MATERIAL OF CONSTRUCTION

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

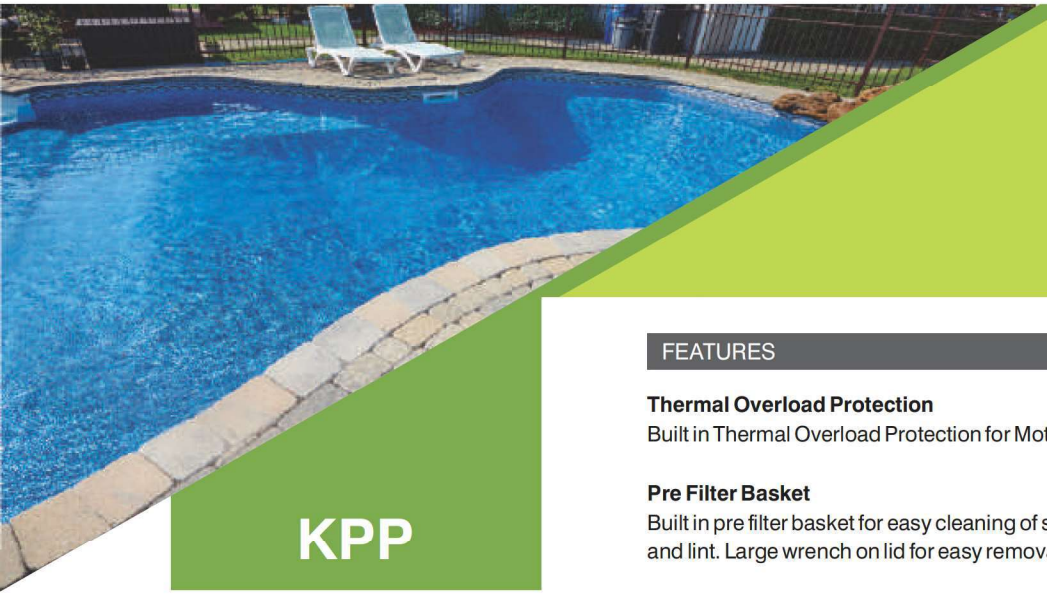
APPLICATIONS

- 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.