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

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INDUSTRIAL
PRODUCT RANGE

MONOBLOC PUMPS
THREE PHASE

Enriching Lives

KDI - EE5

ENERGY EFFICIENT MONOBLOC PUMP WITH ULTRA PREMIUM EFFICIENCY IE5 MOTOR

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

FEATURES

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

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

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

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

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

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

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

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

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

 # For selected models

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

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

APPLICATIONS

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

PERFORMANCE CHART FOR KDI EE5 SERIES, 2 POLE, MONOBLOC PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																				
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES													
							6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																
1	KDI - 1.514 EE5	1.1	1.5	50	50	415	-	8.5	7.1	5.7	3.0	-	-	-	-	-	-	-	-	-	-	-	-
2	KDI - 1.522 EE5	1.1	1.5	50	40	415	-	6.3	5.9	5.5	5.0	4.5	3.9	3.1	1.8	-	-	-	-	-	-	-	-
3	KDI - 1.525 EE5	1.1	1.5	50	40	415	2.6	2.55	2.5	2.45	2.4	2.3	2.2	2.1	2.0	1.8	1.6	-	-	-	-	-	-
4	KDI - 1.540 EE5	1.1	1.5	32	25	415	-	-	-	-	-	-	-			2.7	2.5	2.3	2.0	1.65	1.2	0.75	-
5	KDI - 212 EE5	1.5	2.0	80	80	415	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-
6	KDI - 216 EE5	1.5	2.0	65	50	415	-	11.0	10.0	8.7	7.0	4.0	-	-	-	-	-	-	-	-	-	-	-
7	KDI - 225 EE5	1.5	2.0	50	40	415	-	5.4	5.2	5.0	4.7	4.5	4.1	3.7	3.2	2.7	-	-	-	-	-	-	-
8	KDI - 235 EE5	1.5	2.0	50	40	415	-	-	4.1	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.7	2.4	2.0	1.3	-	-	-
9	KDI - 314 EE5	2.2	3.0	80	80	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-
10	KDI - 318 EE5*	2.2	3.0	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-
11	KDI - 515 EE5	3.7	5.0	100	100	415	33.0	30.5	28.0	24.0	19.0	12.0	-	-	-	-	-	-	-	-	-	-	-
12	KDI - 520 EE5	3.7	5.0	80	80	415	-	23.4	22.0	20.8	19.5	18.0	16.0	13.2	10.0	-	-	-	-	-	-	-	-
13	KDI - 527 EE5	3.7	5.0	80	65	415	-	-	16.0	15.4	14.8	14.2	13.4	12.5	11.4	10.0	8.3	5.8	-	-	-	-	-
14	KDI - 538 EE5	3.7	5.0	65	50	415	9.0	8.9	8.85	8.8	8.7	8.6	8.55	8.45	8.35	8.25	8.1	7.9	7.6	7.1	6.6	6.0	5.1
							34	36	38	40	42	44	46	48	50	52	54	-	-	-	-	-	-
15	KDI - 550 EE5	3.7	5.0	50	40	415	5.6	5.5	5.3	5.1	4.8	4.5	4.1	3.7	3.2	2.6	1.5	-	-	-	-	-	-

Note:

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

Enriching Lives

KDI - EE4

ENERGY EFFICIENT MONOBLOC PUMP
WITH PREMIUM EFFICIENCY IE4 MOTOR

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

FEATURES

Premium Efficiency IE4 Motor and Energy Saving Design
Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

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

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

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

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

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

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

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

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

APPLICATIONS

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

PERFORMANCE CHART FOR KDI EE4 SERIES, 2 POLE, MONOBLOC PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES																	
							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 makin g 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

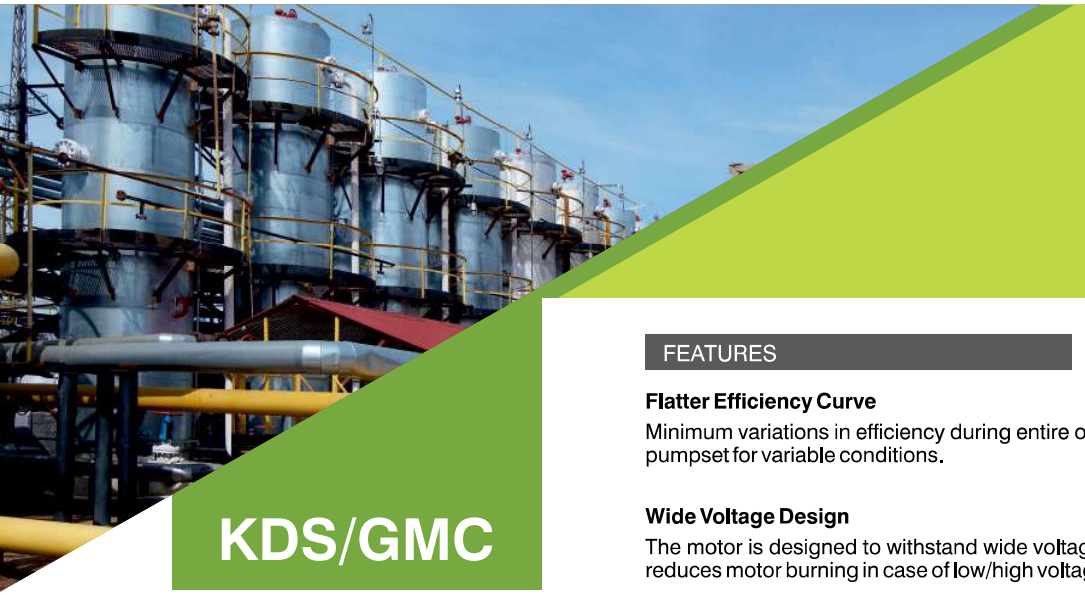
- Air conditioning and refrigeration systems
- Cooling towers
- Clear water handling at high pressure in industries
- Irrigation in horticulture & agriculture
- Fire fighting systems

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

Note:

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



Enriching Lives

KDS/GMC

THREE PHASE
MONOBLOC PUMP

FEATURES

Flatter Efficiency Curve

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

Wide Voltage Design

The motor is designed to withstand wide voltage variation from 300 to 440 volts and reduces motor burning in case of low/high voltage.

Designed to Prevent Overloading

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

Replaceable Wearing Parts

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

Dynamically Balanced Rotating Parts

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

CED – Cathodic Electro Deposition

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

Automatic Air Release

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

High Efficiency and Energy Saving Design

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

PERFORMANCE CHART FOR 'KDS+/KDS++/GMC' SERIES, 2 POLE, MONOBLOC PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES																				
							6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																				
1	KDS - 0510+	0.37	0.5	50	40	415	3.4	2.6	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	GMC - 112	0.75	1.0	50	50	415	6.5	5.4	4.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	GMC - 116	0.75	1.0	50	40	415	5.4	5.0	4.6	4.2	3.6	3.0	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	GMC - 123	0.75	1.0	32	25	415	-	-	4.1	3.6	3.2	2.7	2.2	1.7	0.9	-	-	-	-	-	-	-	-	-	-	-	-
5	GMC - 128	0.75	1.0	40	40	415	-	-	-	1.9	1.85	1.8	1.7	1.6	1.4	1.1	0.8	0.4	-	-	-	-	-	-	-	-	-
6	GMC - 128	0.75	1.0	50	40	415	-	-	-	1.9	1.85	1.8	1.7	1.6	1.4	1.1	0.8	0.4	-	-	-	-	-	-	-	-	-
7	GMC - 134	0.75	1.0	25	25	415	-	-	-	-	-	1.78	1.76	1.73	1.67	1.55	1.35	1.1	0.8	0.4	-	-	-	-	-	-	-
8	GMC - 1.514	1.1	1.5	50	50	415	-	8.5	7.1	5.7	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	GMC - 1.522	1.1	1.5	50	40	415	-	6.3	5.9	5.5	5.0	4.5	3.9	3.1	1.8	-	-	-	-	-	-	-	-	-	-	-	-
10	GMC - 1.525	1.1	1.5	50	40	415	2.6	2.55	2.5	2.45	2.4	2.3	2.2	2.1	2.0	1.8	1.6	1.3	0.4	-	-	-	-	-	-	-	-
11	GMC - 1.540	1.1	1.5	32	25	415	-	-	-	-	-	-	-	-	2.0	1.9	1.7	1.6	1.45	1.3	1.1	0.9	0.6	-	-	-	-
12	KDS - 212+	1.5	2.0	80	80	415	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	KDS - 216++	1.5	2.0	65	50	415	-	11.0	10.1	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	KDS - 225++	1.5	2.0	50	40	415	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	2.3	-	-	-	-	-	-	-	-	-	-
15	KDS - 235+	1.5	2.0	50	40	415	-	-	4.1	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.7	2.4	2.0	1.3	-	-	-	-	-	-	-
16	KDS - 314+	2.2	3.0	80	80	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	KDS - 314+	2.2	3.0	100	100	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	KDS - 318++	2.2	3.0	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-
19	KDS - 318++	2.2	3.0	65	50	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-
20	KDS - 325++	2.2	3.0	65	50	415	-	-	9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9	-	-	-	-	-	-	-	-	-	-
21	KDS - 335++	2.2	3.0	50	40	415	-	-	-	5.05	4.9	4.8	4.6	4.5	4.35	4.2	4.0	3.8	3.5	3.2	2.7	2.0	-	-	-	-	-
22	KDS - 515+	3.7	5.0	100	100	400	33.0	30.5	28.0	24.0	19.0	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	KDS - 520+	3.7	5.0	80	80	400	-	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0	-	-	-	-	-	-	-	-	-	-	-	-
24	KDS - 527++	3.7	5.0	80	65	400	-	-	-	-	-	14.3	13.5	12.5	11.6	10.4	8.7	6.4	-	-	-	-	-	-	-	-	-
25	KDS - 538+	3.7	5.0	65	50	400	9.0	8.9	8.85	8.8	8.7	8.6	8.55	8.45	8.35	8.25	8.1	7.9	7.6	7.1	6.6	6.0	5.1	4.0	-	-
26	KDS - 822++	5.5	7.5	100	100	400	-	-	-	27.3	25.6	24.0	22.1	20.0	17.5	14.5	-	-	-	-	-	-	-	-	-	-	-
27	KDS - 830++	5.5	7.5	80	65	400	-	-	-	-	-	19.0	18.2	17.3	16.4	15.3	14.2	12.7	11.1	-	-	-	-	-	-	-	-
28	KDS - 837+	5.5	7.5	65	65	400	-	-	-	-	-	-	-	-	12.75	12.6	12.5	12.2	11.8	11.1	10.3	9.0	7.3	-	-	-	-
29	KDS - 844++	5.5	7.5	65	65	400	-	-	-	-	-	-	-	-	-	-	10.6	10.2	9.9	9.5	9.0	8.4	7.8	7.0	6.1	4.7
30	KDS - 1030+	7.5	10.0	100	100	415	-	-	-	32.0	31.0	29.7	28.3	27.0	25.2	23.5	21.0	18.0	13.5	-	-	-	-	-	-	-	-
31	KDS - 1040+	7.5	10.0	80	65	415	-	-	23.5	23.0	22.6	22.2	21.5	20.9	20.3	19.5	18.7	17.9	17.0	15.8	14.6	13.4	12.0	9.6	-	-
32	KDS - 1331+	9.3	12.5	100	100	415	-	-	37.5	36.5	35.5	34.5	33.4	32.0	30.5	28.5	26.5	23.8	19.8	12.0	-	-	-	-	-	-	-
33	KDS - 1537+	11.0	15.0	100	100	415	-	-	39.0	38.5	38.0	37.2	36.5	35.5	34.5	33.0	31.6	30.0	27.8	25.0	22.0	17.5	-	-	-	-	-
34	KDS - 2030+	15.0	20.0	125	125	415	-	-	-	-	-	49.0	47.0	45.0	42.0	39.0	35.0	30.0	21.0	-	-	-	-	-	-	-	-

Note:

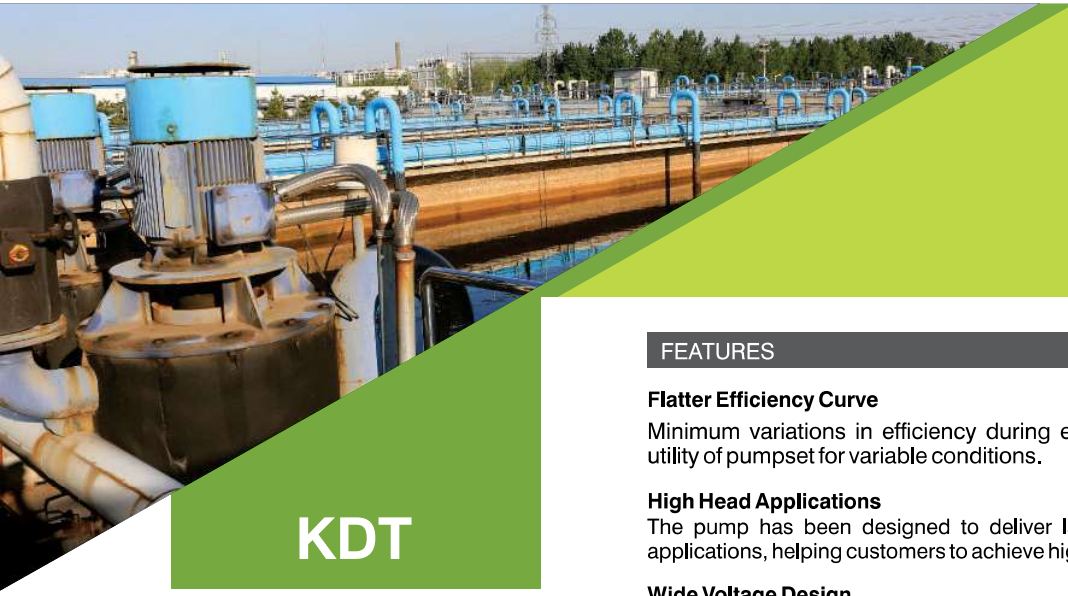
- All the pump set from 0.5 HP to 1.5 HP in mechanical seal arrangement and 2.0 HP to 20.0 HP in Gland pack arrangement except KDS - 212+ which is supplied only in mechanical seal arrangement.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid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

PERFORMANCE CHART FOR'KDS+/KDS++/GMC' SERIES, 2 POLE, MONOBLOC PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																								
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES																	
							14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	52	54
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																			
35	KDS - 550++	3.7	5	50	40	400	-	-	-	-	-	-	-	-	-	-	-	4.1	3.9	3.7	3.5	3.3	3.0	2.7	2	-
36	KDS - 852++	5.5	7.5	65	50	400	-	-	-	-	-	-	-	-	-	8.6	8.3	8.0	7.75	7.4	7.1	6.7	6.3	5.9	4.5	-
37	KDS - 1050+	7.5	10	65	65	415	-	-	-	-	-	-	12.7	12.5	12.2	12.0	11.7	11.4	11.0	10.7	10.2	9.6	8.9	8.1	6.0	-
38	KDS - 1348+	9.3	12.5	80	65	415	-	-	-	19.5	19.2	18.8	18.5	18.1	17.6	17.2	16.6	15.9	15.1	14.3	13.0	11.9	10.2	6.5	-	-
39	KDS - 1555+	11.0	15	80	65	415	-	-	-	-	19.75	19.7	19.6	19.5	19.4	19.2	18.8	18.5	18.0	17.4	16.7	16.0	15.0	14.2	12.2	10.5
40	KDS - 2050+	15.0	20	100	80	415	35.0	34.2	33.8	33.0	32.2	31.7	30.8	30.1	29.5	28.8	28.0	27.0	26.0	25.0	24.0	22.5	21.0	19.4	13.5	-

PERFORMANCE CHART FOR'KDS+/KDS++/GMC' SERIES, 2 POLE, MONOBLOC PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																								
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES																	
							18	22	26	28	30	32	34	36	40	44	46	48	52	56	60	64	68	72	76	80
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																			
41	KDS - 1065++	7.5	10	65	50	415	-	-	-	-	-	-	-	-	7.8	7.3	7.1	6.9	6.4	5.8	5.1	4.3	3.0	-	-	-
42	KDS - 1360+	9.3	12.5	65	50	415	12.9	12.7	12.5	12.4	12.3	12.2	12.0	11.7	11.3	10.7	10.4	10.0	9.1	8.3	7.0	4.5	-	-	-	-
43	KDS - 1570+	11.0	15.0	65	50	415	-	-	-	13.2	13.1	13.0	12.9	12.8	12.5	12.0	11.8	11.5	10.7	10.0	9.0	8.0	6.5	-	-	-
44	KDS - 1575+	11.0	15.0	65	50	415	-	-	-	-	-	-	-	-	-	-	-	-	8.0	7.7	7.3	6.9	6.4	5.8	4.9	3.4
45	KDS - 2560+	18.5	25.0	100	80	415	-	-	-	-	-	-	-	-	-	26.0	24.7	23.5	21.0	17.0	7.0	-	-	-	-	-
46	KDS - 3068+	22.0	30.0	100	80	415	-	-	-	-	-	-	-	-	-	-	-	28.0	26.5	24.5	21.5	17.5	10.0	-	-	-

Note:

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



Enriching Lives

KDT

THREE PHASE
MONOBLOC PUMP

TWO STAGE

FEATURES

Flatter Efficiency Curve

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

High Head Applications

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

Wide Voltage Design

The motor is designed to withstand wide voltage Variation from 300 to 440 volts and reduces motor burning in case of low/high voltage.

Designed to Prevent Overloading

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

Replaceable Wearing Parts

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

Dynamically Balanced Rotating Parts

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

CED – Cathodic Electro Deposition

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

Automatic Air Release

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

High Efficiency and Energy Saving Design

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

PERFORMANCE CHART FOR 'KDT+' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																				
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES													
							24	28	32	36	40	44	48	52	56	60	64	68	72	76
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND													
1	KDT - 544	3.7	5	65	50	400	7.3	6.8	6.2	5.6	4.8	3.5	-	-	-	-	-	-	-	-
2	KDT - 568+	3.7	5	50	40	400	-	-	-	4.3	4.0	3.7	3.4	3.0	2.5	2.0	1.2	-	-	-
3	KDT - 844+	5.5	7.5	80	65	400	12.6	11.8	10.9	10.0	9.0	7.5	5.2	-	-	-	-	-	-	-
4	KDT - 864+	5.5	7.5	65	50	400	-	-	7.6	7.25	6.9	6.5	6.1	5.6	5.0	4.2	2.8	-	-	-
5	KDT - 1050+	7.5	10	80	65	415	14.3	13.8	13.1	12.4	11.5	10.5	9.2	7.8	-	-	-	-	-	-
6	KDT - 1078+	7.5	10	65	50	415	-	-	-	8.3	8.0	7.7	7.4	7.1	6.7	6.2	5.6	5.0	4.0	2.1
7	KDT - 1372+	9.3	12.5	65	65	415	-	-	-	11.5	11.0	10.5	9.8	9.2	8.5	7.8	7.0	6.0	4.7	2.5
8	KDT - 2070+	15	20	80	65	415	-	-	-	-	20.0	19.0	18.2	17.2	16.2	15.0	13.8	12.0	9.2	-
							46	48	52	56	60	64	68	72	76	80	90	94	98	110
9	KDT - 1388+	9.3	12.5	65	50	415	-	-	-	-	7.2	6.9	6.5	6.2	5.8	5.4	3.9	3.0	-	-
10	KDT - 1580+	11	15	65	65	415	11.3	11.1	10.6	10.1	9.5	9.0	8.3	7.7	7.1	6.3	3.2	-	-	-
11	KDT - 1598+	11	15	65	50	415	-	-	-	-	-	-	-	7.4	7.1	6.7	5.7	5.3	4.8	1.8
12	KDT - 2095+	15	20	65	65	415	-	-	-	-	13.0	12.5	12.0	11.5	10.9	10.2	8.0	7.0	5.5	-

Note:

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

Enriching Lives

KS

THREE PHASE
MONOBLOC PUMP

SLOW SPEED

FEATURES

Flatter Efficiency Curve

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

Wide Voltage Design

The motor is designed to withstand wide voltage variation from 300 to 440 volts and reduces motor burning in case of low/high voltage.

Designed to Prevent Overloading

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

Replaceable Wearing Parts

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

Dynamically Balanced Rotating Parts

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

CED Coated Impeller

Resistance to corrosion leading to longer life.

Automatic Air Release

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

PERFORMANCE CHART FOR 'KS+' SERIES, 4 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																	
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	Rated Speed (RPM)	TOTAL HEAD IN METRES									
								5	6	8	10	12	14	16	18	20	22
		kW	HP	SUC.	DEL.			DISCHARGE IN LITRES PER SECOND									
1	KS - 316+	2.2	3	65	50	415	1400	-	-	-	-	13.4	11.6	9.3	-	-	-
2	KS - 513+	3.7	5	100	100	415	1420	-	34.0	30.9	27.0	22.0	10.0	-	-	-	-
3	KS - 516+	3.7	5	80	65	415	1420	-	-	-	-	23.7	20.8	17.5	13.20	-	-
4	KS - 810+	5.5	7.5	150	150	400	1420	68.0	63.5	55.0	44.0	-	-	-	-	-	-
5	KS - 817+	5.5	7.5	100	100	400	1420	-	-	-	34.4	31.8	29.0	25.3	19.2	-	-
6	KS - 823+	5.5	7.5	100	80	400	1420	-	-	-	-	-	27.3	25.0	22.2	18.8	14.5
7	KS - 1012+	7.5	10	150	150	400	1420	-	72.5	66.6	59.5	49.5	30.0	-	-	-	-
8	KS - 1022+	7.5	10	100	100	400	1430	-	-	-	-	-	36.0	33.0	29.0	24.2	17.5

Note:

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

Enriching Lives

SRF

THREE PHASE
MONOBLOC PUMP

TWO STAGE

FEATURES

Flatter Efficiency Curve

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

Wide Voltage Design

The motor is designed to withstand wide voltage variation from 300 to 440 volts and reduces motor burning in case of low/high voltage.

Designed to Prevent Overloading

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

Replaceable Wearing Parts

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

Dynamically Balanced Rotating Parts

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

CED Coated Impeller

Resistance to corrosion leading to longer life.

Automatic Air Release

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

High Efficiency and Energy Saving Design

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

PERFORMANCE CHART FOR 'SRF' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																					
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES																
							14	20	26	32	36	40	44	48	52	56	60	64	68	72	76	80	90	94
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND																	
1	SRF - 2570	18.3	25	100	100	415	28.0	27.1	26.0	24.8	24.0	23.0	22.0	20.7	19.2	17.6	16.0	14.3	12.0	9.0	-	-	-	-
2	SRF - 3085	22	30	100	100	415	30.9	30.1	29.3	28.3	27.6	26.5	25.5	24.0	22.8	21.5	20.0	18.3	17.1	15.6	13.8	11.5	-	-
3	SRF - 3095	22	30	100	100	415	-	-	-	-	-	-	-	-	-	-	-	-	-	19.2	17.5	16.0	10.0	6.0

Note:

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

Enriching Lives

INDUSTRIAL
PRODUCT RANGE

STAINLESS STEEL MONOBLOC PUMP

Enriching Lives

AGNES

HORIZONTAL MULTISTAGE PUMP

FEATURES

High Efficiency and Energy Saving Design

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

Compact Reliable and Silent

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

High Head Applications

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

Dynamically Balanced Rotating Parts

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

PERFORMANCE CHART FOR AGNES 2 SERIES PUMP, 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS, 50 HZ FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY'															
Sr. No.	Pump Model	Power Rating		Current		Pipe Size (mm)		DISCHARGE							
		kW	HP	1Ø	3Ø	Suc	Del	Q (m^3/h)	0	0.6	1.2	1.8	2.4	3.0	3.6
1	AGNES 2-20	0.37	0.5	2.4	1.1	25	25	Head (m)	18.0	16.0	15.0	13.0	12.0	10.0	8.0
2	AGNES 2-30	0.37	0.5	2.8	1.3	25	25		27.0	24.0	22.0	20.0	18.0	16.0	12.0
3	AGNES 2-40	0.55	0.75	3.3	1.5	25	25		35.0	33.0	30.0	26.0	24.0	21.0	16.0
4	AGNES 2-50	0.55	0.75	3.6	1.9	25	25		45.0	40.0	37.0	33.0	30.0	24.0	19.0
5	AGNES 2-60	0.75	1.0	4.5	2.1	25	25		53.0	50.0	45.0	40.0	36.0	30.0	23.0

PERFORMANCE CHART FOR AGNES 4 SERIES PUMP, 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY'															
Sr. No.	Model Pump	Power Rating		Current		Pipe Size (mm)		DISCHARGE							
		kW	HP	1Ø	3Ø	Suc	Del	Q (m^3/h)	0	1	2	3	4	5	6	7
1	AGNES 4-20	0.55	0.75	3.5	1.9	32	25	Head (m)	18.0	17.0	16.0	15.0	13.0	12.0	10.0	8.0
2	AGNES 4-30	0.55	0.75	3.5	1.9	32	25		28.0	27.0	25.0	23.0	21.0	19.0	16.0	13.0
3	AGNES 4-40	0.75	1.0	4.5	2.1	32	25		38.0	36.0	34.0	32.0	28.0	26.0	22.0	17.0
4	AGNES 4-50	1.1	1.5	6.2	2.7	32	25		48.0	46.0	43.0	40.0	36.0	33.0	28.0	21.0
5	AGNES 4-60	1.1	1.5	6.2	2.7	32	25		58.0	55.0	52.0	48.0	43.0	39.0	33.0	26.0

PERFORMANCE CHART FOR AGNES 10 SERIES , 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY																	
Sr. No.	Pump Model	Power Rating		Current		Pipe Size(mm)		DISCHARGE									
		kW	HP	1Ø	3Ø	Suc	Del	Q (m^3/h)	0	2	4	6	7	8	9	10	11	12
1	AGNES 10-10	0.75	1.0	2.9	1.4	38	32	Head (m)	10.1	9.8	9.6	9.1	8.7	8.2	7.7	6.8	5.8	-
2	AGNES 10-20	0.75	1.0	4.4	1.9	38	32		19.5	19	18.7	17.9	17.1	16.3	15.3	14.0	12.5	10.6
3	AGNES 10-30	1.1	1.5	6.3	2.6	38	32		29.3	28.6	28.3	27.1	26.3	24.9	23.4	21.4	19.3	16.9
4	AGNES 10-40	1.5	2.0	8.2	3.3	38	32		38.1	39.6	39.8	38.6	37.6	35.9	33.9	31.2	28.2	24.6
5	AGNES 10-50	2.2	3.0	10.0	4.1	38	32		49.9	49.2	49.1	47.8	46.4	44.4	42.2	39.5	35.9	31.1

Note:

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

Enriching Lives

KSMB

STAINLESS STEEL
MONOBLOC PUMPSETS

FEATURES

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

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

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

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

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

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

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

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 50 Metres
Discharge Range	-	Up to 18 LPS
Power Rating	-	0.75 to 7.5 kW(1 to 10 HP)
Voltage Range	-	350 to 440 Volts (Three Phase)
Insulation	-	F Class
Protection	-	IP44 / IP55
pH Value	-	5 to 9
Liquid Temperature Range	-	-10°C to 85°C (Up to 3 HP) -20°C to 100°C (5 HP and above)
Maximum Ambient Temperature	-	40°C

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

PERFORMANCE CHART FOR KSMB SERIES, STAINLESS STEEL MONOBLOC PUMP, AT RATED VOLTAGE, 50 HZ FREQUENCY, THREE PHASE A.C. POWER SUPPLY																	
Sr. No.	PUMP MODEL	Model Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS										
							10	12	14	16	18	20	22	24	26	28	30
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND										
1	KSMB 129	0.75	1.0	32	25	415	-	-	2.5	2.4	2.3	2.1	1.8	1.5	1.1	0.6	-
2	KSMB 116	0.75	1.0	40	32	415	4.2	3.3	2.1	0.5	-	-	-	-	-	-	-
3	KSMB 1.516	1.1	1.5	50	32	415	-	5.6	4.8	3.5	-	-	-	-	-	-	-
4	KSMB 220	1.5	2.0	50	32	415	-	-	6.5	5.6	4.8	3.8	1.2	-	-	-	-
5	KSMB 324	2.2	3.0	50	32	415	-	-	-	5.5	4.7	3.9	2.8	0.7	-	-	-
6	KSMB 328	2.2	3.0	40	32	415	-	-	6.9	6.3	5.8	5.2	4.4	3.4	2.3	0.5	-
7	KSMB 532+	3.7	5.0	65	40	415	-	-	13.9	13.2	12.3	11.3	10.2	8.9	7.4	5.0	-
							28	30	32	34	36	38	40	42	44	46	50
8	KSMB 548+	3.7	5.0	50	32	415	7.0	6.5	5.5	5.7	5.5	5.0	4.3	2.5	-	-	-
9	KSMB 834+	5.5	7.5	65	40	415	11.5	10.8	9.5	8.0	6.5	-	-	-	-	-	-
10	KSMB 1051+	7.5	10.0	65	40	415	-	-	-	-	18.0	17.8	17.0	15.6	13.5	10.9	4.0

Note:

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

Enriching Lives

AGRICULTURE
PRODUCT RANGE

MONOBLOC PUMPS
Single Phase

Enriching Lives

KDS

SINGLE PHASE
MONOBLOC PUMPS

FEATURES

Wide Voltage Design

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

Replaceable Wearing Parts

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

TOP - Thermal Overload Protector

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

CED – Cathodic Electro Deposition

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

Automatic Air Release

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

High Efficiency and Energy Saving Design

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

Dynamically Balanced Rotating Parts

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

Designed to Prevent Overloading

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

TECHNICAL SPECIFICATION

Head Range	-	Up to 52 Metres
Discharge Range	-	Up to 28 LPS
Power Rating	-	0.37 to 3.7 kW (0.5 to 5.0 HP)
Voltage Range	-	180 to 240 Volts (Single Phase) 120 to 220 Volts (Low Voltage) 230 to 400 Volts (“P” Series)
Insulation	-	B / F Class
Protection	-	IP44

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

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

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

Note:

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

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

Note:

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

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

Note:

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

Enriching Lives

KAM

SINGLE PHASE
MONOBLOC PUMPS

FEATURES

Wide Voltage Design

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

Automatic Air Release

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

Flatter Efficiency Curve

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

Design to Prevent Overloading

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

Dynamically Balanced Rotating Parts

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

CED – Cathodic Electro Deposition

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

Easy Maintainable Designs

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

High Efficiency and Energy Saving Design

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

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

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

PERFORMANCE CHART FOR KAM SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY																					
S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METERS														
							4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
		kW	HP	SUC.	DEL.		DISCHARGE IN LITRES PER SECOND															
1	KAM - 0LV	0.37	0.50	25	25	200	-	-	-	-	-	-	-	1.8	1.6	1.4	1.2	1.0	0.8	0.5	0.3	0.1
2	KAM - 05	0.50	0.75	40	40	200	-	-	-	-	-	4.8	4.0	3.2	2.4	0.9	-	-	-	-	-	-
3	KAM - 11	0.75	1.00	80	80	200	16.0	14.5	13.2	11.5	9.7	6.5	-	-	-	-	-	-	-	-	-	-
4	KAM - 11 LV	0.75	1.00	80	80	160	16.0	14.5	13.2	11.5	9.7	6.5	-	-	-	-	-	-	-	-	-	-
5	KAM - 1.512	1.10	1.50	80	80	230	15.5	14.7	13.8	12.9	11.8	10.6	9.2	7.0	4.0	-	-	-	-	-	-	-
6	KAM - 15 LV	1.10	1.50	80	80	200	-	-	-	15.3	14.3	13.0	11.8	10.5	9.0	7.3	5.0	-	-	-	-	-
7	KAM - 213	1.50	2.00	80	80	240	-	16.0	15.2	14.2	13.0	11.5	10.0	8.2	6.0	-	-	-	-	-	-	-

Note:

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