

INDUSTRIAL PUMPS



The image shows a complex industrial pumping system. In the foreground, a large electric motor with a ribbed cooling fan is connected to a pump unit. A thick, flexible hose runs from the motor. Behind it, several vertical pipes with various valves and fittings are visible. The background shows more industrial structures, including a large cylindrical tank on the right and a striped safety cone. The entire scene is overlaid with a teal color filter.

INDUSTRIAL PUMPING SOLUTIONS



A RICH TRADITION OF ENGINEERING EXCELLENCE

Incorporated in 1946, KOEL is the flagship company of the Kirloskar group. We have four state-of-the-art manufacturing units in India that offer world-class products & service. The company has a sizable presence in international markets, with offices in Dubai, South Africa, Kenya & the United States with representatives in Indonesia and Nigeria.

KOEL also has a strong distribution network throughout the Middle East and Africa.

Today KOEL is an acknowledged leader in the manufacturing off highway diesel engines, agricultural pumpsets, power tillers and generating sets.

We're an international manufacturing conglomerate with offices and deliveries across multiple continents. With a vast product line that includes energy efficient compressors and various kinds of heavy-duty pumps, the Kirloskar group has built a worldwide reputation for reliability, professionalism and innovation.

WASTEWATER SUBMERSIBLE PUMPS

TECHNICAL SPECIFICATIONS

CUTTER

Head range-mtrs. : 2-22
Power rating : 1 to 10 HP
Discharge range-lpm : 1250-20
Voltage range : 180-240 (1PH) 360-415 (3PH)
Pipe size : 50, 75 & 100 mm

SEWAGE

Head range-mtrs. : 5-20
Power rating : 0.5 to 7.5 HP
Discharge range-lpm : 1550-30
Voltage range : 180-240 (1PH) 360-415 (3PH)
Pipe size : 32, 50 & 100 mm

MATERIALS OF CONSTRUCTION

Impeller : Cast iron
Casing : Cast iron
Motor body : SS
Pump shaft : SS 410
Rotor : Aluminium
Sealing : Double ended mech. seal

APPLICATIONS

- Drainage sewage water from hotels, houses, commercial buildings, complexes, hospitals, restaurants, etc.
- Pumping water in industries, pumping municipal sewage water & septic tanks.


Industrial
Sector


Domestic
Sector


Civil
Sector



X-PEL C
1 Phase



X-PEL C
3 Phase



X-PEL S
1 Phase



X-PEL S
3 Phase



Filtration
Filtration

FEATURES

- SS body with heavy construction and shock proof
- Motor is designed with self-cooling effect corrosion resistant stainless steel grade pump parts ensures longer life
- SS cutter designed yields fine solids for non-clogging operations
- Non clogging impellers ensures free flow of solids size up to 35mm
- All casting parts are CED coated
- Efficient pumps with more energy savings
- Prevention from dry run
- Double ended mechanical seal
- Fitted with thermal overload protector

PERFORMANCE CHART FOR SEWAGE PUMP

Oil Engines																					
Sr. No.	KOEL model name	KOEL Part No.	HP	Phase	Voltage range V	Delivery size mm	Max. Solid handling size mm	Starting method	Head range-Mtrs.	Head in mtr	5	6	7	8							
1	X-PEL S 051	ESP.3232.05.01.FS	0.5	1	180-240	32	20	CSR	5-8	Flow in LPM	95	75	55	30							
											4	6	8	10	12	14	16				
2	X-PEL S 101	ESP.5050.01.01.FS	1	1	180-240	50	35	CSR	4-10	Flow in LPM	330	240	150	80	-	-	-				
3	X-PEL S 103	ESP.5050.01.03.00	1	3	360-415	50	35	DOL	4-10		330	240	150	80	-	-	-				
4	X-PEL S 201	ESP.5050.02.01.FS	2	1	180-240	50	35	CSR	4-16		480	420	360	280	190	120	50				
5	X-PEL S 203	ESP.5050.02.03.00	2	3	360-415	50	35	DOL	4-16		480	420	360	280	190	120	50				
											9	10	11	12	13	14	15	16	17	18	20
6	X-PEL S303	ESP.5050.3.3.S1	3	3	350-440	50	37	DOL	9-15	Flow in LPM	520	-	430	340	250	75	-	-	-	-	
7	X-PEL S503	ESP.1010.5.3.S1	5	3	350-440	100	35	DOL	10-18		-	1450	-	1300	-	1100	900	-	550	450	-
8	X-PEL S753	ESP.1010.7P5.3.S1	7.5	3	350-440	100	40	DOL	12-20		-	-	-	1550	-	1350	1300	1200	-	720	380

PERFORMANCE CHART FOR CUTTER PUMP

Sr. No.	KOEL Model Name	KOEL Part No.	HP	Phase	Voltage Range V	Delivery size mm	Starting method	Head range-Mtrs.	Head in mtr	2	4	6	8	10	12	14	16	18	20	22
1	X-PEL C 101	ECP.5050.01.01.FS	1	1	180-240	50	CSR	4-16	Flow in LPM	-	350	300	250	200	150	100	50	-	-	-
2	X-PEL C 103	ECP.5050.01.03.00	1	3	360-415	50	DOL	4-16		-	350	300	250	200	150	100	50	-	-	-
3	X-PEL C 201	ECP.5050.02.01.FS	2	1	180-240	50	CSR	4-22		-	400	350	300	260	220	180	140	100	60	20
4	X-PEL C 203	ECP.5050.02.03.00	2	3	360-415	50	DOL	4-22		-	400	350	300	260	220	180	140	100	60	20
5	X-PEL C 303	ECP.5050.03.03.00	3	3	350-440	50	DOL	6-18		-	-	620	540	480	400	300	190	110	-	-
6	X-PEL C 503	ECP.7575.03.05.00	5	3	350-440	75	DOL	2-14		950	880	800	630	450	280	90	-	-	-	-
7	X-PEL C 753	ECP.1010.3.7P5.00	7.5	3	350-440	100	DOL	2-18		1250	1200	1150	1050	900	750	450	350	160	-	-
8	X-PEL C 1003	ECP.1010.10.3.00	10	3	350-440	100	DOL	2-22		1450	1400	1350	1250	1050	950	800	650	410	250	80



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Technical details of this pumpset are approximate & may change due to site condition or due to continuous improvement.

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