



Enriching Lives



ETERNA CW

Sewage/Dewatering
Submersible Pumpsets



KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

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Sewage/Dewatering Submersible Pumpsets

TECHNICAL SPECIFICATION

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

MATERIAL OF CONSTRUCTION

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

APPLICATIONS

Pump clean water or drain sewage from:

- Sewage pumping.
- De-watering from basements, multi-storeys, shopping malls, godowns.
- Construction Site.
- De-watering foundation, trenches and pits.
- Flood water handling.

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.

CED – Cathode Electro Deposition Coating

CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life

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 provides ease of maintenance thereby extending the life of the pump.

Dynamically balanced rotating parts

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

PERFORMANCE CHART FOR CW PUMPSET AT RATED VOLTAGE OF 380 VOLTS, THREE PHASE, 50 Hz FREQUENCY, A.C. SUPPLY

S. No.	Pump Model	Power Rating		Pipe Size (mm)	Rated Speed (RPM)	Max. Solid Size (mm)	TOTAL HEAD IN METERS										Min. Sub. From Bottom (mm)	
		kW	HP				4	6	8	10	12	14	16	18	20	22		
							DISCHARGE IN LITERS PER MINUTE											
1	750CW	0.75	1	50	2900	20	-	336	300	230	145	-	-	-	-	-	466	
2	1500CW	1.5	2	50	2900	20	-	-	375	327	270	202	120	-	-	-	500	
3	2200CW	2.2	3	50	2900	20	-	-	590	550	502	447	383	298	202	-	520	
4	3700CW	3.7	5	65	2900	30	-	-	-	-	-	-	625	530	396	260	607	
5	5500CW	5.5	7.5	80	2900	35	-	1560	1494	1395	1270	1100	906	708	510	360	685	
6	7500CW	7.5	10	150	1440	45	3360	3130	2760	2230	1200	480	-	-	-	-	920	
7	11000 CW 4PL	11	15	150	1440	45	-	-	4750	4300	3600	2570	1600	280	-	-	970	
8	15000 CW 4PL	15	20	150	1440	45	-	4800	4520	4230	3950	3620	3120	2140	400	-	1020	
9	15000 CW 4P	15	20	100	1440	35	-	-	1120	1000	780	550	225	-	-	-	990	
							12	15	18	21	24	27	30	33	36	40	-	
10	7500 CW 2P	7.5	10	65	2900	25	1500	1400	1300	1210	1120	1025	935	810	550	220	780	
11	11000 CW 4P	11	15	100	1440	35	-	2680	2350	1970	1500	630	-	-	-	-	925	
							25	30	35	40	45	50	55	60	65	70	-	
12	11000 CW 2P	11	15	65	2900	25	1060	980	850	650	400	185	-	-	-	-	920	
13	15000 CW 2P	15	20	65	2900	25	-	-	-	-	-	-	1290	950	600	230	40	935

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

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