

**100** 1920  
2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



**ETERNA CW**  
SEWAGE DE-WATERING  
SUBMERSIBLE PUMPS



**KIRLOSKAR BROTHERS LIMITED**

A Kirloskar Group Company

Established 1888

## ETERNA CW

### SEWAGE DE-WATERING SUBMERSIBLE PUMPS

#### TECHNICAL SPECIFICATION

Head Range	: Upto 70 Metres
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 Value	: 6.5 to 7.5
Maximum Density	: < 1050 kg/m <sup>3</sup>
Protection	: IP 68
Consistency of Medium	: < 1.2 x 10 <sup>3</sup> kg/m <sup>3</sup>
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

#### APPLICATIONS

- Sewage pumping
- Dewatering from basements, multi-storeys, shopping malls, godowns
- Construction site
- Dewatering 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.

##### 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 vibrations protect components from damages during the operations, thus ensuring consistent performance as concentricity is maintained.

PERFORMANCE CHART OF CW SERIES SEWAGE SUBMERSIBLE PUMPSETS, AT RATED SPEED THREE PHASE AC POWER SUPPLY

S. No.	Pump Model	Power Rating		Pipe Size (mm)	Rated Speed (RPM)	Max. Solid Size (mm)	TOTAL HEAD IN METRES										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	11000CW 4PL	11	15	150	1440	45	-	-	4750	4300	3600	2570	1600	280	-	-	970
8	15000CW 4PL	15	20	150	1440	45	-	4800	4520	4230	3950	3620	3120	2140	400	-	1020
							12	15	18	21	24	27	30	33	36	39	-
9	15000 CW 4P	15	20	100	1440	35	-	-	2950	2680	2380	2080	1650	1150	680	150	990
10	7500CW 2P	7.5	10	65	2900	25	1500	1400	1300	1210	1120	1025	935	810	550	220	780
11	11000CW 4P	11	15	100	1440	35	-	2680	2350	1970	1500	630	-	-	-	-	925
							25	30	35	40	45	50	55	60	65	70	-
12	11000CW 2P	11	15	65	2900	25	1060	980	850	650	400	185	-	-	-	-	920
13	15000CW 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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