



OPENWELL SUBMERSIBLE MONOSET PUMPS





Crompton Greaves Openwell Submersible pumpsets are specially designed for its robustness and for its applications under the submerged condition. Years of experience, superior design and better manufacturing techniques have resulted into development of this range of pumpsets. which are efficient and reliable in operation. Strict quality assurance standards during the total process ensures trouble free and reliable operation with minimum maintenance.

Features

- Suitable for operation under submerged condition in water.
- Specially designed to withstand wide voltage fluctuations in 1 phase as well as 3 phase.
- Motor body made of C.I./SS for sturdiness and long life
- sturdiness and long life.

 Fitted with sleeves and thrust
- bearing for longer life.
 Provided with strainer in S.S.
- Motor is water lubricated and fitted
- with good quality oil seal.
- Suitable for applications where wide water level fluctuations take place in suction side.
- All internal parts of motor are specially coated with primer to prevent rusting for longer life.
- All 1 phase pumpsets are supplied with 10 metres PVC insulated cable and with Control Panel and all 3 phase pumpsets are supplied with 5 metres PVC insulated cable.
- All rotating parts are dynamically balanced for longer bearing life and vibration free smooth and silent operation.

Applications

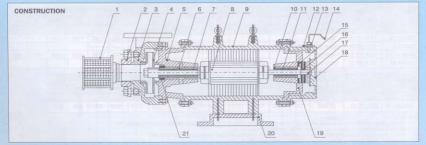
Used for water supply where there is wide fluctuations in water level in suction tank or water supply source.

- Irrigation
 - Small farms
 - Bungalows, multistoried buildings
 - Gardens
- Domestic water supply
 - Community water supply schemes

Standard Specifications

- Range: 1P 0.37 to 2.2 kW (0.5 to 3.0HP) 3P - 0.37 to 22.5 kW (0.5 to 30.0 HP).
- Supply: 415 V, 50Hz, 3 phase, 225V, 50 Hz, 1 Phase AC
- Pipe Size: 25 x 25 to 100 x 100 mm
 - Speed: 3000 RPM (Syn.)
- Total Head : Upto 87 Metres
- Capacity: Upto 1830 LPM
- Liquid : Clear water
- Rotation : Clockwise when viewed from motor end
- Motor: Totally enclosed water filled squirrel cage induction motor suitable for 225V/1 phase and 415V/3 phase, 50Hz, AC supply.





-	No.	PART	MATERIAL
ı	1	Strainer	Stainless Steel
	2	Flange	Graded Cast Iron
I	3	Volute	Graded Cast Iron
1	4	Impeller	Graded Cast Iron
Ī	5	'DE' Bush Housing	Graded Cast Iron
ı	6	Bush	G.M.
	7	Sleeve	Stainless Steel

PERFORMANCE CHART

No.	PART	MATERIAL
8	Shaft	Stainless Steel
9	Motor Body	Graded Cast Iron
10	Bush	G.M.
11	Sleeve	Stainless Steel
12	Grommet Plate	Plastic
13	Drain Plug	Brass
14	Supply Cable	-

No.	PART	MATERIAL
15	Thrust Pad	Stainless Steel
16	Thrust Bearing	Carbon finish fibre
17	Thrust Bearing Lock Nut	Stainless Steel
18	End Cover	Graded Cast Iron
19	'ODE' Bush Housing	Graded Cast Iron
20	Base Plate	MS (Fabricated)
21	Oil Seal	-

	Motor kW (HP)		Total Head in Metres																					
Rating		Pipe size Suc x Del	6	9	10.5	12	13.5	15	18	19.5	21	24	25.5	27	28.5	30	33	36	39	42	45	48	51	54
		(min)	Discharge in LPM																					
SMD 052(1Ph)*@	0.37 (0.5)	25 x 25	150	120	105	85	70	30							39				100					
OSD0.5(1Ph)	0.37 (0.5)	25 x 25			190	175	165	154	130	110	90	30												
SMDH 12(1Ph)*@	0.75 (1.0)	25 x 25				255	245	230	210	200	190	150	125	95	60									
OSDH12(1Ph)	0.75 (1.0)	25 x 25			-	270	260	250	235	225	215	196	178	160	130	100								
SMG 1.52(1Ph)*@	1.1 (1.5)	40 x 32				1300		270	245	230	220	185	165	130	85	35								
SMK 22 (1Ph)*@	1.5 (2.0)	50 x 40			315	305	295	285	265	255	245	220	205	185	155	110								
SMM22(1PH)@	1.5(2.0)	50 X 50		475	450	430	405	375	310	250	130													
SMKS 32	2.2 (3.0)	50 x 40						355	340	330	315	295	265	240	220	195	75							
SMN 32 @	2.2 (3.0)	65 x 50		740	700	660	630	590	500	450	400	210												
SM0 32 @	2.2 (3.0)	65 x 65		1117	830	800	765	720	580	480	360	100	Dr.											
SMS 32	2.2 (3.0)	100 x 100	1180	950	850	675	300											190						
SMKS 52	3.7 (5.0)	50 x 40												500	485	470	450	420	370	300	120			
SMNH 52	3.7 (5.0)	65 x 50							730	700	670	560	480	400	320	200								
SM0 52 @	3.7 (5.0)	65 x 65				840	820	800	750	720	680	570	510	400	240									
SMP 52 @	3.7 (5.0)	80 x 65		1,6	1280	1220	1160	1080	940	850	750	450												
SMQ 52 @	3.7 (5.0)	80 x 80		1425	1350	1260	1170	1100	915	800	700				19/									
SMS 52 @	3.7 (5.0)	100 x 100	1550	1350	1270	1160	1080	940	450									- 10						
SMNH 6.52	4.8 (6.5)	65 x 50											525	500	480	440	360	250						
SMO 6.52	4.8 (6.5)	65 x 65		Jack	la la					800	780	715	675	590	490	400			100					
SMP 6.52	4.8 (6.5)	80 x 65		1300	1280	1250	1205	1170	1065	1010	950	800	675	520	350									
SMNH 7.52 @	5.5 (7.5)	65 x 50															550	530	500	400	250			
SMP7.52 @	5.5 (7.5)	80 x 65										1040	980	910	835	725	500							
SMQ 7.52 @	5.5 (7.5)	80 x 80			-					1270	1230	1140	1060	970	860	750	450							
SMR 7.52	5.5 (7.5)	100 x 80		1650	1575	1510	1450	1380	1225	1120	1000	750	300			1								
SMS 7.52 @	5.5 (7.5)	100 x 100		1650	1575	1510	1450	1380	1225	1120	1000	750	300					No.						
SMNH 10.2 @	7.5 (10.0)	65 x 50																600	580	560	525	480	400	200
SMPH 10.2 @	7.5 (10.0)	80 x 65							1035	1030	1020	1000	985	975	965	950	920	850	625					
SMQH 10.2	7.5 (10.0)	80 x 80			Control							100		1250	1200	1150	1025	860	485					
SMS 10.2 @	7.5 (10.0)	100 x 100		1830	1760	1700	1640	1590	1460	1380	1300	1100	950	725	475									
SMQH12.52	9.4 (12.5)	80 X80						1670	1640	1620	1600	1530	1480	1420	1330	1200	800							
SMS12.52	9.4 (12.5)	100 x 100						1950	1840	1780	1710	1580	1480	1320			-							