



Smart solutions.
Strong relationships.

OPENWELL SUBMERSIBLE MONOSET PUMPS



OS SERIES



SWD SERIES



SHO-AQ SERIES



SHO-AE SERIES

CGL PUMPS : A REPUTATION FOR EXCELLENCE...

Crompton Greaves Ltd, is an Indian MNC, a part of US\$4 BN Avantha Group conglomerate with an impressive global foot print operating in over 10 countries and has a leadership position in most of its lines of Business.

CGL is designing and manufacturing Dependable innovative range of Centrifugal pumps for over 45 years and supplying to various core sectors of global economy like Water & Waste Water Management, Irrigation, Water Works, Fire Fighting, Processing, Power, Fertilizer, Refinery, Paper, Sugar & Textile Mills. Today CGL is the company having a wide product range of more than 2000 varied pump models catering to different areas of domestic, agriculture and industrial markets.

CGL Centrifugal Monoset Pump Series provides a new generation pumps having broad range of hydraulic coverage and low total cost of ownership, with reliable performance in variety of services.

Our product range broadly covers :

Submersible pump sets: Suitable for Open well and Borewell ranging from diameter 75mm to 250 mm

Panels: Suitable for Open well and Borewell pumps upto 250 mm diameter

Cables: Submersible cables up to 6 sq mm

Surface mounted pumps : Monosets in self-priming & non-self priming and coupled pump set in self priming

Horizontal Split case pumps

End Suction Pumps as per ISO 2858 / DIN 24255

Jet Pumps : Shallow well, Multi stage, Twin Type and Packer Type

Diesel engine driven Pump sets

Non Clog Dewatering Self priming pumps in bare shaft, monosets and coupled constructions.

With a view to augment our manufacturing capabilities we are setting up a large state of the art manufacturing plant, at MIDC Ahmednagar, complete with computerized testing facilities and adherence to latest quality standards to meet the varied needs of customers.

The company has more than 200 models in the 4 star and 5 star category duly approved by the Bureau of Energy Efficiency, a nodal agency under the Ministry of Power to serve varied needs in Agriculture and Industries.



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OPENWELL SUBMERSIBLE - OS SERIES

Approximate Performance Chart at 3000 RPM Syn. Speed, 415Volts, 3PH, 50Hz, AC Supply

Rating	Motor kW (HP)	Pipe size Del. (mm)	Total Head In Mtr.																			
			10.5	12	13.5	15	18	19.5	21	24	25.5	27	28.5	30	33	36	39					
			Discharge In LPM																			
OSP7.52	5.5 (7.5)	65							1000	975	960	930	900	850	770	580						
OSR 7.52	5.5 (7.5)	75		1650	1550	1450	1275	1175	1075	875	775	600										
OSS 7.52	5.5 (7.5)	100	1750	1650	1575	1475	1325	1200	1100	550												
OSPH 10.2	7.5 (10.0)	65						1320	1310	1290	1260	1240	1210	1180	1060	940	740					
OSR10.2	7.5 (10.0)	75				1850	1725	1650	1600	1450	1375	1275	1200	1125	700							
OSS 10.2	7.5 (10.0)	100		2000	1950	1900	1800	1725	1650	1475	1400	1250	850									
OSS-12.52	9.3 (12.5)	100						2150	2100	1925	1850	1800	1700	1600	1300							
OSS-15.2	11.0 (15.0)	100						2300	2225	2100	2050	1970	1900	1800	1500	1250						

Approximate Performance Chart at 3000 RPM Syn. Speed, 415Volts, 3PH, 50Hz, AC Supply

Rating	Motor kW (HP)	Pipe size Del. (mm)	Total Head In Mtr.																				
			24	25.5	27	28.5	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78
			Discharge In LPM																				
OSNH 7.52	5.5 (7.5)	50						520	470	420	370	300	230										
OSNH 10.2	7.5 (10.0)	50						675	650	625	600	575	500	400	200								
OSPH -12.52	9.3 (12.5)	65				1200	1175	1125	1060	950	810	650	480										
OSNH -15.2	11.0 (15.0)	50												540	520	500	480	460	440	420	380	340	280
OSPH -15.2	11.0 (15.0)	65					1270	1220	1160	1120	1025	900	780	550									
OSR -15.2	11.0 (15.0)	75	1950	1900	1825	1750	1700	1600	1400	1200	900												
OSPH -17.52	13.0 (17.5)	65				1425	1400	1340	1280	1170	1050	900	680	500									
OSPH -20.2	15.0 (20.0)	65							1425	1375	1325	1260	1200	1150	1075	950	825						
OSR -20.2	15.0 (20.0)	75					1850	1750	1650	1525	1400	1200	1000	800									
OSPH -25.2	18.5 (25.0)	65										1525	1475	1375	1300	1200	1075	975	850	675	575		
OSR -25.2	18.5 (25.0)	75						2100	1975	1850	1750	1650	1525	1400									
OSPH -30.2	22.0 (30.0)	65										1650	1600	1550	1475	1380	1300	1200	1080	970	850	700	500
OSR -30.2	22.0 (30.0)	75						2200	2125	2025	1925	1825	1700	1575	1425	1275	1100						

Notes :-

1. Approximate performance at rated voltage 50Hz 1 phase / 3 phase AC power supply.
2. The above performance is subjected to tolerances as per relevant Indian Standards.
3. Pipe sizes mentioned in mm are nearest conversion of inches, but actual pipe threading are provided as per 'BSP' Standard.
4. Total Head = Static Suction + Static Delivery + Losses in pipes, bends etc.

OPENWELL SUBMERSIBLE MONOSET PUMPS SWD SERIES



Features :

- Totally enclosed water cooled squirrel cage induction motor suitable for 220 V , 1Ph, 50Hz, AC supply 2 Pole(3000 RPM syn. Speed) suitable for ambient temperature up to 40 C. Motor with capacitor run (PSC type eliminating centrifugal switch)
- Provided with bend & Strainer in superior engineering plastic material. Motor is water lubricated and fitted with oil seal arrangement
- All internal parts of motor are specially coated with primer to prevent rusting for longer use
- Pumpset is supplied with 5 meters PVC insulated cable and with control panel
- Motors are fitted with Gun Metal bushes for low wear & high efficiency
- The thrust bearings are carbon v/s SS for low wear & high efficiency
- Stamping laminations are high permeability steel for long life

Application

- Drinking water supplies
- Residential Bungalows & Flats
- Hotels, Hospitals

Technical Specification of Openwell Submersible Pumpset

TYPE	SWD Series	
	Rated Voltage	220
Voltage Range	180-240	180-240
Frequency (hz)	50	50
Duty	S1	S1
Output KW	0.37	0.75
Output HP	0.5	1
Approximate Speed (RPM)	2800	2800
Connection	STAR	STAR
Pipe Size : Suc. X Del. (mm)	25 X25	32X25
Min. Submergence (Mtrs)	1.5	1.5

Material of Construction

Sr. No	Pump Component	Material
1	Motor Body	Stainless Steel
2	Shaft	Stainless Steel
3	Impeller	Noryl
4	Volute	Cast Iron
5	Oil Seal	Rubber
6	Thrust Pad	Stainless Steel
7	Bush	Gun Metal

Approximate performance chart at 2880 RPM, 220Volts, 1PH, 50 Hz, AC Supply.

RATING	MOTOR KW/HP	PIPE SIZE	Total Head in Meters							
			9	12	15	18	21	24	27	30
			Discharge in LPM							
SWD0.5/1	0.37/0.5	25 x 25	130	121	100	79	24			
SWD 1.0/1	0.75/1.0	32 x 25		150	140	130	120	105	85	60

OPENWELL SUBMERSIBLE MONOSET PUMPS SHO-AQ SERIES



Features

- Monoset Construction
- Robust design suitable for adverse conditions
- Motor body made of CI construction for sturdiness and long life
- Fitted with SS sleeves and thrust bearing for longer life
- Motor is water lubricated and fitted with good quality of Oil seal
- Dynamically balanced rotor and Impellers for long life

Application

- Farm irrigation
- Drinking water supplies
- Drip irrigation
- Sprinkler irrigation

Material of Construction

Sr No.	Pump Component	Material
1	Motor Body	Cast Iron
2	Shaft	Stainless Steel
3	Impeller	Graded Cast Iron
4	Volute	Graded Cast Iron
5	Oil Seal	Rubber
6	Bush	Gun Metal
7	Thrust Pad	Stainless Steel

Technical Specification Of Openwell Submersible Pumpset

TYPE	SHO-AQ Series	
RATED VOLTAGE	350	350
VOLTAGE RANGE	300-400	300-400
FREQUENCY (Hz.)	50	50
DUTY	S1	S1
Output kW	2.20	3.70
Output HP	3.00	5.00
Approximate Speed (rpm)	2800	2820
Connection	STAR	STAR
Pipe Size : Suc. X Del. (mm)	65 X 50	65 X 50 TO 80 X 65
Min.Submergence (mtrs)	1.5	1.5

Approximate Performance Chart at 2880 RMP, 380-415 Volts, 3PH, 50 Hz, AC Supply.

MODEL NAME (CG)	MOTOR RATING		PIPE SIZE IN mm	DIS IN LPM	TOTAL HEAD IN MTS.												
	kW	H.P.			10	15	18	20	22	24	26	28	30	32	34	36	
SHONL32TAQCI	2.20	3.00	65 X50		715	550	450	350									
SHONM32TAQCI	2.20	3.00	65 X50				580	515	440	380	275						
SHONM52TAQCI	3.70	5.00	65 X50				830	750	700	570	475	315					
SHONM52TAQCI34	3.70	5.00	65 X50					900	860	810	740	700	600	550	470	300	
SHOPL52TAQCI	3.70	5.00	80 X65			1050	935	750	700	550							

OPENWELL SUBMERSIBLE MONOSET PUMPS SHO-AE SERIES



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

- High Electrical grade Stamping - M47 for better motor efficiency
- Copper Rotor with Chrome plating giving excellent electrical performance & offering non rusting property
- Burnished Shaft gives excellent surface finish & improved hardness for low wearing.
- Bearing bushes are of leaded tin bronze (LTB4) Material
- Casting components are made up of CI Gr. FG 200 for enough strength & painted with Epoxy colour for corrosion resistance

Application

- Farm irrigation
- Drinking water supplies.
- Drip irrigation.
- Sprinkler irrigation.

Material of Construction

Sr No.	Pump Component	Material
1	Motor Body	M.S
2	Shaft	Stainless Steel
3	Impeller	Graded Cast Iron
4	Volute	Graded Cast Iron
5	Oil Seal	Rubber
6	Bush	Bronze
7	Thrust Pad	Stainless Steel

Technical Specification of Openwell Submersible Pumpset

TYPE	SHO-AE Series		LHO-AE Series	
	RATED VOLTAGE	415	415	350
VOLTAGE RANGE	350 - 440	350 - 440	250 - 400	250 - 400
FREQUENCY (Hz.)	50	50	50	50
Duty	S1	S1	S1	S1
Output kW	2.20	3.70	2.20	3.70
Output HP	3.00	5.00	3.00	5.00
Approximate Speed (rpm)	2800	2820	2800	2820
Connection	STAR	STAR	STAR	STAR
Pipe Size : Suc. X Del. (mm)	50X40 to 80X80	50X40 to 100X100	50X40 to 80X80	50X40 to 100X100
Min.Submergence (mtrs)	1.5	1.5	1.5	1.5

OPENWELL SUBMERSIBLE - SHO-AE SERIES

Approximate Performance Chart at 2880 RMP, 380-415 Volts, 3PH, 50 Hz, AC Supply.

3 HP 2 P RATING

MODEL NAME (CG)	MOTOR RATING		PIPE SIZE IN mm	TOTAL HEAD IN MTRS.															
	kW	H.P.		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
SHOKM32TAE	2.20	3.00	50X40				306	294	288	282	276	264	252	228	228	216	192	156	126
SHONL32TAE	2.20	3.00	65X50			546	522	498	474	444	420	384	342	300					
SHOOL32TAE	2.20	3.00	65X65			906	852	762	594	396	246								
SHOPL32TAE	2.20	3.00	80X65				870	780	606	432									
SHOQL32TAE	2.20	3.00	80X80	1152	1074	978	822	618											
LHONL32TAE	2.20	3.00	65X50			546	522	498	474	444	420	384	342	300					
LHOOL32TAE	2.20	3.00	65X65			906	852	762	594	396	246								
LHOPL32TAE	2.20	3.00	80X65				870	780	606	432									
LHOQL32TAE	2.20	3.00	80X80	1152	1074	978	822	618											

5 HP 2 P RATING

MODEL NAME (CG)	MOTOR RATING		PIPE SIZE IN mm	TOTAL HEAD IN MTRS.																		
	kW	H.P.		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	40	44	48
SHOKM52TAE	3.70	5.00	50 X40									312	300	294	288	282	264	252	234	204	156	66
SHONM52TAE28	3.70	5.00	65 X50					846	786	726	672	588	462	312								
SHONM52TAE32	3.70	5.00	65 X65									672	624	534	414	258						
SHONM52TAE36	3.70	5.00	65 X50											792	714	624	474	312				
SHOOM52TAE26	3.70	5.00	65 X65				1092	1062	1002	900	792	684	546	366								
SHOOM52TAE30	3.70	5.00	65 X65								864	828	726	630	450	282						
SHOPM52TAE	3.70	5.00	80 X65					852	816	726	696	612	516	378								
SHOQM52TAE	3.70	5.00	80 X80	1446	1392	1326	1248	1164	1002	966	516											
SHOSM52TAE	3.70	5.00	100 X100				1392	1326	1182	726	516											
LHONM52TAE28	3.70	5.00	65 X50					846	786	726	672	588	462	312								
LHONM52TAE32	3.70	5.00	65 X65									672	624	534	414	258						
LHONM52TAE36	3.70	5.00	65 X50											792	714	624	474	312				
LHOOM52TAE26	3.70	5.00	65 X65				1092	1062	1002	900	792	684	546	366								
LHOOM52TAE30	3.70	5.00	65 X65								864	828	726	630	450	282						
LHOPM52TAE	3.70	5.00	80 X65					852	816	726	696	612	516	378								
LHOQM52TAE	3.70	5.00	80 X80	1446	1392	1326	1248	1164	1002	966	516											
LHOSM52TAE	3.70	5.00	100 X100				1392	1326	1182	726	516											

Branch Offices

REGISTERED OFFICE

CG House, 6th Floor, Dr. Annie Besant Road,
Worli, Mumbai - 400 030.
Tel. (022) 24237777
Fax (022) 24237788

WORKS

Pumps Division
A-28, MIDC, Ahmednagar - 414 111.
Tel. (0241) 6606500
Fax (0241) 6606550

	BRANCH DETAILS
NORTHERN REGION REGIONAL OFFICE - DELHI	Vandana building, 11 Tolstoy Marg, New Delhi - 110001. Tel. (011) 30416300, 3041365, 347 Fax (011) 23324360, 23352134, 23731475
JAIPUR	Church Road, PO Box 173, Jaipur - 302001 Tel. (0141) 3018800-29, 2374668 Fax (0141) 2365371
JALANDHAR	B-12/407, Ladowali Road, Behind Dada Motors Near BSF Chowk, Jalandhar City - 144001. Tel. (0181) 3051310 - 13 / 3240990 Fax (0181) 2226342
LUCKNOW	Saran Chambers II, 3rd Floor, 5 Park Road, Lucknow - 226012. Tel. (0522) 4152155 Fax (0522) 4152158
EASTERN REGION REGIONAL OFFICE - KOLKATA	50, Chowringhee Road, Kolkata - 700001 Tel. (033) 22829681-85 Fax (033) 22829942, 22824818
BHUBANESHWAR	Janpath Tower, 3rd Floor, Bhubaneswar - 751009 Tel. (0674) 2531128, 2531429, 2531277 Fax (0674) 2533521
WESTERN REGION REGIONAL OFFICE - MUMBAI	Kanjurmarg (East) Mumbai - 400 042. Tel.: (022) 67558000, 67558591 Fax : (022) 67558669
AHMEDABAD	909-916, Sakar II, Near Ellis Bridge, Ahmedabad - 380006. Tel.: (079) 40012000, 40012277 Fax : (079) 40012222
INDORE	103-B, Apollo Trade Centre, 2B Rajgarh Kothi Mumbai-Agra Road, Indore - 452001. Tel. : (0731) 2498269, 2498271, 2498276 Fax : (0731) 5065621

	BRANCH DETAILS
WESTERN REGION - contd. PUNE	Premium Point Building, 4th Floor, Opp. Modern High School, J. M. Road, Shivajinagar, Pune - 411005. Tel. : (020) 25534675 - 77 Fax : (020) 25534684
RAIPUR	5, New Tilak Nagar, Beside Sai Care Hospital, Avanti Vihar Colony, Raipur - 492231 Tel. : (0771) 4022214 / 15 Fax : (0771) 2444577
SOUTHERN REGION REGIONAL OFFICE - CHENNAI	Crompton House - 3, Dr. MGR Salai (Kodambakkam High Road), Nungambakkam, Chennai - 600034. Tel. : (044) 42247500, 42247537 Fax : (044) 28231973, 28234112
BANGALORE	Janardhana Towers, 1st Floor, 562/640 Bannerghetta Road, Bilekahalli, Bangalore - 560076. Tel. : (080) 41391908, 41391909, 41391923
COCHIN	Cherupushpam Building, 5th Floor, Shanmugham Road, Ernakulam, Cochin - 682031 Tel. : (0484) 2370860-63, 2360240, 2382340 Fax : (0484) 2373738
SECUNDERABAD	Minerva Complex, 4th Floor, Secunderabad - 500003. Tel. : (040) 40002300 / 40002347 Fax : (040) 40002340

Service Centres



At Crompton Greaves we have strict quality controls from inspection of raw material to the delivery of products to channel partners. However, in an unlikely event of failure please call **Helpline No.: 1800-419-0505** for service. In addition to the above we have service centres at various locations listed below.

SERVICE CENTRES		SERVICE CENTRES	
NORTHERN REGION - DELHI	Vandana Building, 11 Tolstoy Marg, New Delhi - 110001 Tel. (011) 30416308, 30416304, 30416311 Fax (011) 23730920	WESTERN REGION - contd. INDORE	103-B, Apollo Trade Centre, 2B Rajgarh Kothi Mumbai-Agra Road, Indore - 452001. Tel. : (0731) 2498269, 2498271, 2498276 Fax : (0731) 5065621, 5067146
JAIPUR	Plot No. F 662, Road No. 9F2, Vishwakarma Ind Area, Jaipur - 302 013 Phone (0141) - 3139761	PUNE	Premium Point Building, 4th Floor, Opp. Modern High School, J. M. Road, Shivajinagar, Pune - 411005. Tel. : (020) 25534675 - 77 Fax : (020) 25534684
JALANDHAR	Villegge Khajuria, Outside Jalandhar Octroi Post, Phagwara Road, G. T. Road, Dist. Kapurthala, Jalandhar - 144002. Tel. (0181) 2632199,, 2632187 Plot No. 281, Industrial area, Phase 2, Chandigarh - 160002. Tel. (0172) 2659764 Fax (0172) 2657402	RAIPUR	Opp. Chuna Bhatti, Near Mahesh Cold House, Bhanpuri, Raipur, India. Telefax : (0771) 2562055
LUCKNOW	B-2, Transport Nagar, Lucknow - 226001 Tel. (0522) 2432345, 2433132	SOUTHERN REGION - CHENNAI	Crompton House - 3, Dr. MGR Salai (Kodambakkam High Road), Nungambakkam, Chennai - 600034. Tel. : (044) 42247500, 42247595 Fax : (044) 28231973, 28234112 658-664, Rajalakshmi Plaza, 100 ft Road, Gandhipuram, Coimbatore - 641012. Tel. : (0422) 2526453, 2521829/30 Fax : (0422) 2525334.
EASTERN REGION - KOLKATA	21, R. N. Mukherjee Road, Kolkatta - 700071. Tel. (033) 22489160, 22488911 Fax (033) 22489737	BANGALORE	SS Agencies, No. 20, New Timber Yard Layout, Mysore Road, Bangalore - 560026. Tel. : (080) 26755727 Fax : (080) 26755723
BHUBANESHWAR	Janpath Tower, 3rd Floor, Ashok Nagar Unit II, Bhubaneshwar - 751009 Tel. (0674) 2531128, 2531429, 2531277 Fax (0674) 2533521	COCHIN	35/1872 A, South Janata Road, 300-6, Palarivottam, Cochin - 682025 Tel. : (0484) 2338102 Fax : (0484) 2338856
WESTERN REGION - MUMBAI	Kanjurmarg (East) Mumbai - 400 042. Tel. : (022) 67558000, 67558590 Fax : (022) 67558669	SECUNDERABAD	Plot No. B-12, Industrial Development Area, Uppal, Hyderabad - 500039 (RR Dist) Tel. : (040) 27207539
AHMEDABAD	Godown No. 799 - Cadilla Estate, Opp. Hotel Alfa, N. H. No. 8, Aslali, Dist. Ahmedabad. Tel. : (079) 261408 Fax : (079) 261422		



Crompton Greaves Limited
MACHINE 5 DIVISION

Plot No. C-19 & A-28 MIDC, Ahmednagar - 414111
Tel.: 0241-6606500 Fax: 0241-6606550, 6606560

Regd. Office:
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W: www.cgglobal.com